

# WAYNESBURG UNIVERSITY



ACADEMIC CATALOG  
2021-2022

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## 2021-2022 ACADEMIC CATALOG

The information in this Academic Catalog is not meant to form a contract. Waynesburg University reserves the right in its sole judgment to make changes of any nature in the University's academic program, courses, schedule or calendar whenever in its sole judgment it is deemed desirable to do so in order to fulfill the University's academic mission. The foregoing changes may include, without limitation, the elimination of schools, institutes, programs, departments or courses; the modification of the content of any of the foregoing; the rescheduling of classes, with or without extending the announced academic term; modification of the mode of delivery of instruction; and the cancellation of scheduled classes or other academic activities. If such changes are deemed desirable, the University may require or afford alternatives for scheduled classes or other academic activities and will give adequate notification of any change such as is reasonably practical under the circumstances.

## CORRESPONDENCE DIRECTORY

Your inquiries may be addressed as indicated below to Waynesburg University, Waynesburg, Pennsylvania, 15370.

Academic Transcripts & Records .....	Registrar
Admission .....	Director of Admissions
Alumni Affairs .....	VP for Institutional Advancement & University Relations
Business Affairs .....	Chief Financial Officer
Educational Programs .....	Provost
Financial Aid to New Students .....	Director of Financial Aid
General Interest.....	VP for Institutional Advancement & University Relations
Gifts .....	President or VP for Institutional Advancement & University Relations
Bequests & Planned Gifts .....	VP for Institutional Advancement & University Relations
Public Relations .....	VP for Institutional Advancement & University Relations
Scholarships .....	Director of Admissions
Student Housing.....	Director of Housing
Student Services.....	Dean of Students
Summer Program .....	Provost
Placement of Graduates .....	Career Development Specialist

## VISITORS ARE WELCOME

The University welcomes visitors to the campus. Administrative offices are open Monday through Friday from 8:30 a.m. to 12:00 noon and from 1:00 p.m. to 4:30 p.m., except from mid-May through mid-August, when offices close at 4:00 p.m. Visitors desiring interviews with members of the staff are urged to make appointments in advance by calling:

724-627-8191 or 724-852-3248

<http://waynesburg.edu/>

Waynesburg University does not discriminate on the basis of race, color, national origin, ethnic origin, sex, age, disability or status as a protected veteran in employment or the rights, privileges, programs, and activities generally accorded or made available to students at the school, administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs. This statement of non-discrimination applies to educational programs, educational policies, admissions policies, educational activities, employment, access and admission, scholarship and loan programs, and athletic and other school-administered programs. Inquiries regarding compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990 or other civil rights laws should contact one of the following individuals:

**Title IX coordinator**

Tom Helmick  
 Director of Human Resources  
 210 Miller Hall  
 Telephone No. 724-852-3210

**Section 504 coordinator/Disability  
 Access and Accommodation**

Alexa Bailly  
 Disability Services Coordinator & Academic Support Specialist  
 B21 Bottom Floor of Eberly Library  
 Telephone No. 724-852-7727

**Equal Opportunity coordinator**

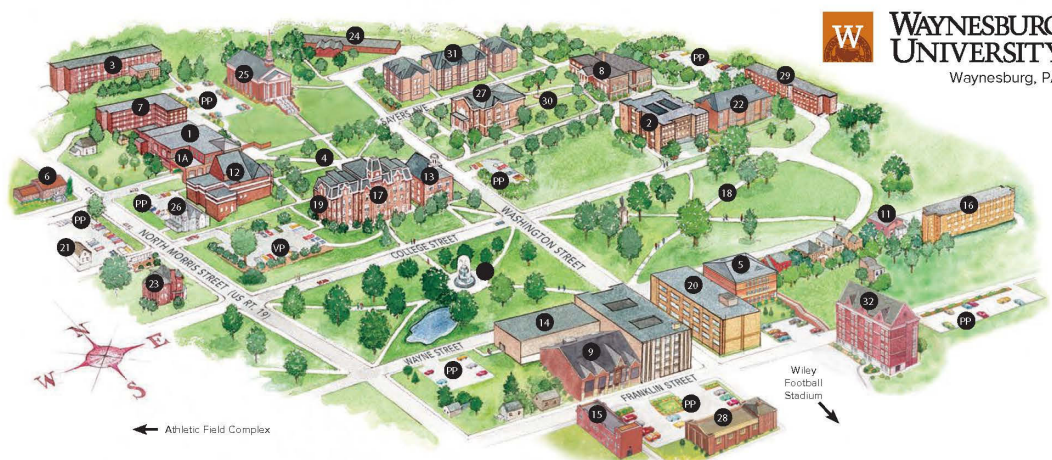
Tom Helmick  
 Director of Human Resources  
 210 Miller Hall  
 Telephone No. 724-852-3210

For further information on this notice of nondiscrimination, visit the U.S. Department of Education for the address and phone number of the office that serves your area, or call 800-421-3481.

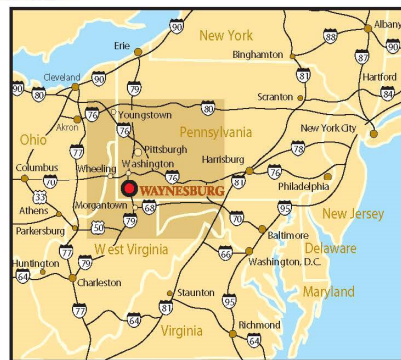
The programs, policies, and other information outlined in this publication of the Waynesburg University Catalog are effective as of August, 2021. Changes may be made as a result of official action by the faculty, the administrative staff or the Board of Trustees.

The policies and practices outlined in this publication may be revised, revoked, or supplemented at the discretion of the University subject to reasonable time notifications. They are in no way to be considered contractual obligations.

## UNIVERSITY MAP



Campus Buildings	
1 Benedum Hall	18 Monument Park
1A Fine Arts Center	19 Paul R. Stewart Museum
2 Buhl Humanities Building	20 Paul R. Stewart Science Hall
3 Burns Hall*	21 Physical Plant
4 Carl D. Johnson Commons	22 Pollock Hall*
5 Center for Research and Economic Development (CRED)	23 President's Home
6 CSI Center	24 Ray Hall*
7 Denny Hall*	25 Roberts Chapel
8 Eberly Library	26 Stone Guest House
9 Fitness Center	27 Stover Campus Center
10 Fountain Park	28 Student Health Services
11 Goodwin House	29 Thayer Hall*
12 Goodwin Performing Arts Center (GPAC)	30 Veterans Memorial Plaza
13 Hanna Hall	31 West-South-East Halls*
14 Marisa Field House/Gymnasium	32 Willson Residence Hall*
15 Marine Biology Lab	PP Permit Parking
16 Martin Hall*	VP Visitor Parking
17 Miller Hall/Admissions Office	
	* Residence Halls



## LOCATIONS

Main Campus at Waynesburg  
 51 West College Street  
 Waynesburg, PA 15370

Southpointe  
 6000 Town Center Boulevard  
 Suite 100  
 Canonsburg, PA 15317

**2021-2022 Academic Calendar for Undergraduate Programs**  
**“The University’s 173<sup>rd</sup> Year”**

**FIRST SEMESTER — 2021**

• August	16	Monday	New Faculty and Staff Orientation
	17	Tuesday	All-University Convocation and Workshops
		TBA	Residence halls open
		TBA	New Student Orientation; Matriculation Convocation
	20	Friday	Last day to make change in meal plan
	23	Monday	Classes begin
	27	Friday	Last day for late registration; last day to drop or add courses; last day to indicate pass/fail or audit preferences
• September	6	Monday	Labor Day - No day classes; evening classes will resume (6 p.m.)
• October	9-12	Saturday-Tuesday	Fall break for main campus
	12	Tuesday	Midsemester grades due from faculty by noon
	13	Wednesday	Classes resume
	29	Friday	Last day to withdraw from classes
• November	24	Wednesday	Thanksgiving break begins for main campus
	29	Monday	Classes resume
• December	6	Monday	Day of Study
	7-10	Tuesday-Friday	Semester examinations
	10	Friday	First semester ends
	14	Tuesday	Final grades due from faculty by noon

**SECOND SEMESTER — 2022 (TENTATIVE)**

• January	1-9		Domestic/International Mission Service Trips
	7	Friday	Last day to make change in meal plan
		TBA	Residence halls open
	10	Monday	Classes begin
	14	Friday	Last day for late registration; last day to drop or add courses; last day to indicate pass/fail or audit preferences
• February	18	Tuesday	Martin Luther King, Jr. Convocation (11 a.m.)
	17	Thursday	Assessment (11 a.m. – 1 p.m.)
	26	Saturday	Spring recess begins
	26-March 6		Domestic/International Mission Service Trips
• March	1	Tuesday	Midsemester Grades due from faculty by noon
	7	Monday	Classes resume
	22	Tuesday	Charter Day Convocation
	25	Friday	Last day to withdraw from classes
• April	15	Friday	Good Friday (classes will not meet)
	18	Monday	No day classes; evening classes will resume (6 p.m.)
	22	Friday	Regular classes end
	25-29	Monday-Friday	Semester examinations
• May	29	Friday	Second semester ends
	1	Sunday	Baccalaureate Service (11 a.m.) One Hundred Seventy-First Commencement (2 p.m.)
	2-8		Domestic/International Mission Service Trips

**SUMMER SESSIONS — 2022 (TENTATIVE)**

• May 10 – June 22	First summer session		
	First Three-Week Subsession: May 10 through May 31		
	First Five-Week Session: May 10 through June 14		
	Second Three-Week Subsession: June 2 through June 22		
• July 5 – August 8	Second summer session		

**2022-2023 Academic Calendar for Undergraduate Programs – PROPOSED**  
**“The University’s 174<sup>th</sup> Year”**

**FIRST SEMESTER — 2022**

• August	22	Monday	New Faculty and Staff Orientation
	23	Tuesday	All-University Convocation and Workshops
		TBA	Residence halls open
		TBA	New Student Orientation; Matriculation Convocation
	26	Friday	Last day to make change in meal plan
	29	Monday	Classes begin
• September	2	Friday	Last day for late registration; last day to drop or add courses; last day to indicate pass/fail or audit preferences
	5	Monday	Labor Day – No day classes; evening classes will resume (6 p.m.)
• October	15-18	Saturday-Tuesday	Fall break for main campus
	18	Tuesday	Midsemester grades due from faculty by noon
	19	Wednesday	Classes resume
• November	4	Friday	Last day to withdraw from classes
	23	Wednesday	Thanksgiving break begins for main campus
	28	Monday	Classes resume
• December	9	Friday	Regular classes end
	12	Monday	Day of Study
	13-16	Tuesday-Friday	Semester examinations
	16	Friday	First semester ends
	20	Tuesday	Final grades due from faculty by noon

**SECOND SEMESTER — 2023**

• January	9-15		Domestic/International Mission Service Trips
	13	Friday	Last day to make change in meal plan
		TBA	Residence halls open
	16	Monday	Classes begin
	17	Tuesday	Martin Luther King, Jr. Convocation (11 a.m.)
	20	Friday	Last day for late registration; last day to drop or add courses; last day to indicate pass/fail or audit preferences
• February	16	Thursday	Assessment (11 a.m. – 1 p.m.)
• March	4	Saturday	Spring recess begins
	4-12		Domestic/International Mission Service Trips
	7	Tuesday	Midsemester grades due from faculty by noon
	13	Monday	Classes resume
	21	Tuesday	Charter Day Convocation
	31	Friday	Last day to withdraw from classes
• April	7	Friday	Good Friday (classes will not meet)
	10	Monday	No day classes; evening classes will resume (6 p.m.)
	28	Friday	Regular classes end
• May	1	Monday	Day of Study
	2-5	Tuesday-Friday	Semester examinations
	5	Friday	Second semester ends
	7	Sunday	Baccalaureate Service (11 a.m.) One Hundred Seventy-Second Commencement (2 p.m.)
	8-14		Domestic/International Mission Service Trips

**SUMMER SESSIONS — 2023**

• May 16 – June 28	First summer session First Three-Week Subsession: May 16 through June 6 First Five-Week Session: May 10 through June 20 Second Three-Week Subsession: June 8 through June 28
• July 10 – August 11	Second summer session

**2023-2024 Academic Calendar for Undergraduate Programs – PROPOSED**  
**“The University’s 175<sup>th</sup> Year”**

**FIRST SEMESTER — 2023**

• August	21	Monday	New Faculty and Staff Orientation
	22	Tuesday	All-University Convocation and Workshops
		TBA	Residence halls open
		TBA	New Student Orientation; Matriculation Convocation
	25	Friday	Last day to make change in meal plan
	28	Monday	Classes begin
• September	1	Friday	Last day for late registration; last day to drop or add courses; last day to indicate pass/fail or audit preferences
	4	Monday	Labor Day – No day classes; evening classes will resume (6 p.m.)
• October	14-17	Saturday-Tuesday	Fall break for main campus
	17	Tuesday	Midsemester grades due from faculty by noon
	18	Wednesday	Classes resume
• November	3	Friday	Last day to withdraw from classes
	22	Wednesday	Thanksgiving break begins for main campus
	27	Monday	Classes resume
• December	8	Friday	Regular classes end
	11	Monday	Day of Study
	12-15	Tuesday-Friday	Semester examinations
	15	Friday	First semester ends
	19	Tuesday	Final grades due from faculty by noon

**SECOND SEMESTER — 2024**

• January	7-14		Domestic/International Mission Service Trips
	12	Friday	Last day to make change in meal plan
		TBA	Residence halls open
	15	Monday	Classes begin
	16	Tuesday	Martin Luther King, Jr. Convocation (11 a.m.)
	19	Friday	Last day for late registration; last day to drop or add courses; last day to indicate pass/fail or audit preferences
• February	15	Thursday	Assessment (11 a.m. – 1 p.m.)
• March	2	Saturday	Spring recess begins
	2-10		Domestic/International Mission Service Trips
	5	Tuesday	Midsemester grades due from faculty by noon
	11	Monday	Classes resume
	19	Tuesday	Charter Day Convocation
	29	Friday	Good Friday (classes will not meet)
• April	1	Monday	No day classes; evening classes will resume (6 p.m.)
	2	Tuesday	Last day to withdraw from classes
	26	Friday	Regular classes end
	April 29	Monday	Day of Study
	30-May 3	Tuesday-Friday	Semester examinations
• May	3	Friday	Second semester ends
	5	Sunday	Baccalaureate Service (11 a.m.) One Hundred Seventy-Third Commencement (2 p.m.)
	6-12		Domestic/International Mission Service Trips

**SUMMER SESSIONS — 2024**

• May 14 – June 28	First summer session		
	First Three-Week Subsession: May 14 through June 4		
	First Five-Week Session: May 14 through June 26		
	Second Three-Week Subsession: June 6 through June 28		
• July 8 – August 9	Second summer session		

**2024-2025 Academic Calendar for Undergraduate Programs – PROPOSED**  
**“The University’s 176<sup>th</sup> Year”**

**FIRST SEMESTER — 2024**

• August	19	Monday	New Faculty and Staff Orientation
	20	Tuesday	All-University Convocation and Workshops
		TBA	Residence halls open
		TBA	New Student Orientation; Matriculation Convocation
	23	Friday	Last day to make change in meal plan
	26	Monday	Classes begin
	30	Friday	Last day for late registration; last day to drop or add courses; last day to indicate pass/fail or audit preferences
• September	2	Monday	Labor Day – No day classes; evening classes will resume (6 p.m.)
• October	12-15	Saturday-Tuesday	Fall break for main campus
	15	Tuesday	Midsemester grades due from faculty by noon
	16	Wednesday	Classes resume
• November	1	Friday	Last day to withdraw from classes
	27	Wednesday	Thanksgiving break begins for main campus
• December	2	Monday	Classes resume
	6	Friday	Regular classes end
	9-13	Monday-Friday	Semester examinations
	13	Friday	First semester ends
	17	Tuesday	Final grades due from faculty by noon

**SECOND SEMESTER — 2025**

• January	6-12		Domestic/International Mission Service Trips
	10	Friday	Last day to make change in meal plan
		TBA	Residence halls open
	13	Monday	Classes begin
	17	Friday	Last day for late registration; last day to drop or add courses; last day to indicate pass/fail or audit preferences
	21	Tuesday	Martin Luther King, Jr. Convocation (11 a.m.)
	20	Thursday	Assessment (11 a.m. – 1 p.m.)
• February	1	Saturday	Spring recess begins
• March	1-9		Domestic/International Mission Service Trips
	4	Tuesday	Midsemester grades due from faculty by noon
	10	Monday	Classes resume
	25	Tuesday	Charter Day Convocation
	28	Friday	Last day to withdraw from classes
• April	18	Friday	Good Friday (classes will not meet)
	21	Monday	No day classes; evening classes will resume (6 p.m.)
	25	Friday	Regular classes end
	April 28-May 2	Monday-Friday	Semester examinations
	2	Friday	Second semester ends
	4	Sunday	Baccalaureate Service (11 a.m.) One Hundred Seventy-Fourth Commencement (2 p.m.)
	5-11		Domestic/International Mission Service Trips

**SUMMER SESSIONS — 2025**

• May 13 – June 27	First summer session		
	First Three-Week Subsession: May 13 through June 3		
	First Five-Week Session: May 13 through June 25		
	Second Three-Week Subsession: June 6 through June 27		
• July 6 – August 8	Second summer session		



# THE UNIVERSITY

Waynesburg University is a Christian, liberal arts university located in Waynesburg, Pennsylvania.

## MISSION STATEMENT

Waynesburg University educates students to make connections between faith, learning and serving so they might faithfully transform their communities and the world. As a Christian comprehensive university, we strive to inspire and challenge every undergraduate and graduate student to a life of leadership and purpose for the glory of God.

## INSTITUTIONAL COMMITMENTS

Waynesburg University educates students based upon:

- A commitment to the pursuit of truth in God's world through rigorous scholarship, academic excellence and creative expressions, founded in the liberal arts and sciences.
- A commitment to the authority of the Scriptures as the essential reference for faith and life. The Scriptures inform and define our perspectives in service of Christ and His kingdom.
- A commitment to the integration of Christian faith within the various academic disciplines and professional programs for both undergraduate and graduate students.
- A commitment to employ faculty and staff members who embody the values and perspectives of the Christian faith in their teaching, personal lives and relationships with students.
- A commitment to understand and engage others locally and around the world, through the use of our education and talents in service of justice and righteousness.
- A commitment to student-centered education where the interests, aspirations and needs of each student are valued and encouraged.
- A commitment to welcome students from various cultures, backgrounds, educational experiences and ages to enhance diversity and contribute to the learning community.
- A commitment to develop students who will exhibit integrity, both personally and professionally, based upon the Scriptural calling of Jesus Christ for all of life.

## INSTITUTIONAL GOALS

Waynesburg University seeks to:

### *For Students*

- Prepare students at both the undergraduate and graduate levels with the knowledge, skills and values necessary for the vocations to which they are called by God.
- Cultivate the ability of students to think critically and to apply these skills in lifelong scholarship and ethical decision making.
- Develop students who practice effective communication skills in both the spoken and written word in many different contexts.
- Educate students to apply processes of scientific inquiry and quantitative reasoning skills in examining both information and theoretical models.
- Provide students with opportunities to recognize lifestyles, traditions and rituals of diverse cultures.
- Equip students to examine and employ information resources and technologies with wisdom and faithfulness.
- Nurture students' use of their creative abilities and their appreciation of aesthetic expressions of others.
- Challenge students to excel in scholarship, research and independent academic inquiry within the broad context of the liberal arts tradition.
- Educate students with depth of knowledge in one of the academic and applied disciplines through instruction and research at either the undergraduate or graduate level.
- Engage students to be servants and citizens in their local communities and to take responsibility for involvement in the world in which they live.

Waynesburg University seeks to:

### *For the Campus Community*

- Foster a Christian learning community where students are challenged and encouraged to develop as people through a variety of curricular and co-curricular programs.
- Nurture a campus environment where the spiritual development of students, faculty and staff is affirmed through programs and resources.
- Maintain an environment characterized by fairness and justice as expressed through institutional policies and procedures.
- Make available critical and emerging informational, physical and technology resources necessary to support the education and research of a learning community.
- Provide effective academic support services that will encourage and facilitate individual educational achievement for all students.
- Address the changing educational and cultural needs of the local region through educational degrees, instructional programs, utilization of campus and graduate center resources and strategic partnerships.
- Effectively manage fiscal and human resources to provide affordable opportunities for Christian higher education.
- Exhibit responsible care for the Creation through the institution's policies and practices.

## HISTORY

Waynesburg University and the town in which it is located are named for the Revolutionary War hero, General “Mad” Anthony Wayne. The University was created by combining the assets of Greene Academy in Carmichaels, Pennsylvania, and Madison College in Uniontown, Pennsylvania.

Greene Academy, closely tied to the Cumberland Presbyterian Church, was founded in 1810 to bring higher education to those of limited means, and especially those called to Christian ministry.

During the same period, Madison College was established in Uniontown, Pennsylvania, by the Methodist Church. However, by 1838, when three Cumberland Presbyterian ministers, John Morgan, A.M. Bryan, and Milton Bird, arrived in Uniontown, Madison College had ceased to function. The three clergy secured control of the College and, in its reconstituted form, Madison operated until 1846.

In April 1849, the Pennsylvania Presbytery, meeting in Greenfield, Washington County, established a committee to found a new college. The committee, comprised of The Reverend J.H.D. Henderson, General Jesse Lazar, and Samuel Moredock, Esq., chose Waynesburg as the site of the new college. The Reverend Joshua Loughran of Greene Academy was named Waynesburg's first president. The first classes were held in September, 1849, in the old Hayes Building at the corner of High and Washington Streets.

The Commonwealth of Pennsylvania chartered Waynesburg College on March 25, 1850. In autumn of the same year, the college building now known as Hanna Hall was begun; it was completed a year later. A Female Seminary connected with the college was also established in 1850, and its first classes were held in the Baptist Church.

The single most important distinguishing feature of Waynesburg University is the connection between high-quality academics and volunteer service. Service-learning involves every Waynesburg student through partnerships with more than 50 local service partner agencies and an ever-expanding network of international opportunities. The University is proud to be numbered among only 21 “Bonner Schools” in the country. With the support and encouragement of the Corella and Bertram F. Bonner Foundation, Waynesburg offers significant scholarship aid to students willing to undertake a major commitment to volunteer service while in college.

Waynesburg students deliver more than 50,000 service learning and community/civic engagement hours yearly and travel to sites in other states and countries throughout the summer and during breaks. This, combined with the values-based liberal arts curriculum of the University, has prompted the Corporation for National and Community Service to name Waynesburg to its President's Higher Education Community Service Honor Roll. The Center for Service Leadership will link the University's Service-learning program to the region and multiply the already considerable impact of Waynesburg's volunteerism.

International exchanges with China, Russia, South Korea, Kazakhstan, the Ukraine, and other Newly Independent States have brought the world to Waynesburg, and taken Waynesburg to the world. Combined with Chancellor Timothy R. Thyreen's active leadership in global associations of colleges and educators, the A.J. and Rita Morris Center for International Studies will focus the University's global vision.

The Campus Master Plan has led to:

- The Eberly Library becoming a 21st century, fully automated resource,
- The Paul R. Stewart Museum's development as a repository of regional history,
- The transformation of the central campus by landscaped walkways and commons,
- Historic Hanna Hall's reconfiguration as the Piatt Center for Business Education,
- The construction of the Goodwin Performing Arts Center, a 250-seat auditorium, design shop, and teaching facility,
- The erection of the Stover Campus Center, which opened in September of 1998 as the center of campus life, international studies, and Service Learning,
- The reconstruction of the third and fourth floors of Buhl Hall as television and radio production facilities,
- The redesigns of portions of Benedum Hall as fine arts studies, including an art gallery, and music practice rooms,
- New stands at Wiley Stadium in the 1999 Football season,
- Numerous new residence halls, including a six-story facility on Franklin Street, opened in 2008,
- The addition of the Center for Research and Economic Development, which connects the intellectual and physical assets of Waynesburg University and the cultural and environmental resources of the surrounding region to support initiatives contributing to the long-term sustainable economic future of the area,
- Expansions to Benedum Dining Hall as well as Eberly Library with the North and South Wings,
- The addition of the Fitness Center in 2009,
- The Roberts Chapel

The University takes pride in these physical manifestations of its mission, and looks back with deep respect on its founding principles and past accomplishments. And yet, after more than 160 years, there is a sense on campus and among alumni that the real history of Waynesburg University lies elsewhere.

The true history of the University is told in the life stories of its graduates who continue to carry with them that passion for making a positive difference that is the soul and the genius of Waynesburg University. The history of Waynesburg University lies in the future leadership exercised by its graduates. This history will be realized in the classrooms, schools, hospitals, offices, factories, courtrooms, churches, and families that will be touched and enlivened by the watchwords: Faith, Learning, Serving.

## GOVERNANCE

The policy-making and governing body of the University is the Board of Trustees. On the basis of recommendations made by the President and his administrative staff, it charts a course for the development of the total program of the University and strives to provide essential funds. The charter of the University provides for 34 trustees, of whom 33 are elected for three-year terms. The president is an ex-officio member.

## ACCREDITATION

Waynesburg University is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104; 267-384-5000; [www.msche.org](http://www.msche.org). The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation (CHEA). Waynesburg University is also accredited by the Pennsylvania Department of Education, 333 Market Street, Harrisburg, PA 17126-0333; 717-783-6788. The mission of the Pennsylvania Department of Education is to assist the General Assembly, the Governor, the Secretary of Education and Pennsylvania educators in providing for the maintenance and support of a thorough and efficient system in education. Accreditation was reaffirmed in March 2015.

The Education Department is accredited by the Pennsylvania Department of Education, 333 Market Street, Harrisburg, PA 17126-0333; 717-783-6788.

The Bachelor of Science in Nursing (BSN) program has full approval status through the Pennsylvania State Board of Nursing. The baccalaureate degree in nursing, the master's degree in nursing and the Doctor of Nursing Practice at Waynesburg University are accredited by the Commission on Collegiate Nursing Education, One Dupont Circle, NW, Suite 530, Washington, DC 20036; 202-887-6791.

The Graduate and Professional Studies programs of Addiction Counseling and Clinical Mental Health Counseling are accredited by the Council for Accreditation of Counseling & Related Educational Programs (CACREP), 1001

North Fairfax St., Suite 510, Alexandria, VA 22314; 703-535-5990. This specialized accrediting agency, recognized by the Council for Higher Education Accreditation, grants accredited status to graduate-level programs in the professional counseling field. This recognition provides assurance to the public and higher education institutions that CACREP is a legitimate accreditor with authority granted by a regulating body who has reviewed the standards, processes, and policies of CACREP. In addition, the Addictions Counseling specialization is approved by the Pennsylvania Certification Board (PCB).

Waynesburg University has received specialized accreditation for its business programs through the International Assembly for Collegiate Business Education (IACBE) located at 11374 Strang Line Road in Lenexa, Kansas, USA. The business programs in the following degrees at the listed locations are accredited by the IACBE:

<b>Business Program</b>	<b>Location(s)</b>
Master of Business Administration in Applied Business	Waynesburg, Southpointe
Master of Business Administration in Accounting	Waynesburg, Southpointe
Master of Business Administration in Corporate and Social Responsibility	Waynesburg, Southpointe
Master of Business Administration in Data Analytics & Visualization	Waynesburg, Southpointe
Master of Business Administration in Energy Management	Waynesburg, Southpointe
Master of Business Administration in Finance	Waynesburg, Southpointe
Master of Business Administration in Healthcare Management	Waynesburg, Southpointe
Master of Business Administration in Human Resources	Waynesburg, Southpointe
Master of Business Administration in Integrated Marketing	Waynesburg, Southpointe
Master of Business Administration in Project Management	Waynesburg, Southpointe
Bachelor of Arts: <ul style="list-style-type: none"> <li>• Applied Business</li> <li>• International Business</li> </ul>	Waynesburg
Bachelor of Science in Business Administration: <ul style="list-style-type: none"> <li>• Accounting</li> <li>• Business Management</li> <li>• Entrepreneurship</li> <li>• Finance</li> <li>• Forensic Accounting</li> <li>• Healthcare Management</li> <li>• Marketing</li> <li>• Sports Management</li> </ul>	Waynesburg

The Athletic Training Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE), 6850 Austin Center Blvd., Suite 100, Austin, TX 78731-3184; 512-733-9700.

The Chemistry program is approved by the American Chemical Society.

## LOCATION

Situated in the southwestern corner of Pennsylvania in the heart of Greene County, Waynesburg is a typical small American community with a population of about 5,000 persons. The University campus, just two blocks from the center of town, is located on the city park with more than 12 acres of lawn and shade trees.

Waynesburg, which is also the county seat, is located 50 miles south of Pittsburgh and within an hour's drive of mountain and lake resorts. Outdoor sports such as swimming, hiking, boating, skiing, fishing, and hunting are available in the area.

In addition to main campus, students can attend graduate and professional study coursework at our Pittsburgh-area center (i.e., Southpointe Center – Canonsburg) and online.

## THE CAMPUS

Located in an area bordered by parks and lined with trees, the Waynesburg University campus blends beautiful natural surroundings with modern buildings and facilities to create an exceptional learning environment. The University has undergone building and aesthetic improvements as part of a long-range campus Master Plan. Parking lots have been relocated to exterior areas on campus, utility lines have been buried, and new sidewalks have been built to improve pedestrian safety. The campus combines beauty and function for the benefit of students, faculty, staff, and visitors. Graduate and professional degree programs are offered on the main campus and Southpointe Center (Canonsburg). Graduate and professional students can earn a Bachelor of Arts (BA), a Bachelor of Science in Nursing (BSN), a Master of Arts in Criminal Investigation (MA), a Master of Arts in Counseling (MA), Master of Arts in Teaching (MAT), Master of Business Administration (MBA), Master of Education in Technology (MEd), Master of Science in Athletic Training (MSAT), Master of Science in Nursing (MSN), Doctor of Nursing Practice (DNP) or Doctor of Philosophy in Counselor Education and Supervision (Ph.D.). All programs offer flexibility, multiple starting dates per year, and evening classes.

## STUDENT BODY

More than 2,500 students are served by the University annually. Summer school sessions, evening programs, and continuing education programs account for several hundred additional students. While the majority of the students come from Pennsylvania, 31 states and several foreign countries are represented.

## FACULTY

The University's outstanding faculty maintains current scholarship and fine teaching. Over seventy percent hold doctoral or terminal degrees. The student-faculty ratio is 11:1.

Waynesburg University does not discriminate in hiring or in terms and conditions of employment based on an individual's race, color, sex, age, disability, national origin, ethnic origin or Vietnam Veteran Status.

As a Christian University rooted in the Reformed, Evangelical, and Christian tradition, Waynesburg University hires as full-time faculty only persons who profess faith in Jesus Christ and demonstrate that faith in a manner consistent with the mission.

## ALUMNI

The Alumni Community is comprised of more than 14,000 graduates, former students, and honorary alumni of Waynesburg University. An Alumni Council is comprised to represent all alumni of Waynesburg University. The Council's objectives are to promote the welfare and interests of Waynesburg University and its alumni, to foster a close relationship and cooperation between the University and the alumni, and to support and advance the cause of higher education.

## ACADEMIC AND ADMINISTRATIVE BUILDINGS

**Buhl Humanities Building.** This modern facility houses the departments of Communication, Criminal Justice, English and Human Studies. The University's radio, television, student newspaper, and yearbook facilities are located in this building. Dedicated in October, 1968, the four-story structure was made possible by a challenge grant from the Buhl Foundation of Pittsburgh, gifts from alumni and friends of the University, and grants from the Federal Government and the United Presbyterian Church (U.S.A.).

**Hanna Hall.** Completed in 1851, Hanna Hall, a colonial brick building of classic simplicity, was the original Waynesburg University building. Completely renovated and restored in 1990, the building now houses state-of-the-art business technology. On May 18, 1991, the Piatt Center in Hanna Hall was dedicated. Hanna Hall contains classrooms and offices for the Department of Business Administration. Hanna Hall resides on the National Registry for Historic Places.

**Miller Hall.** Alfred Brashear Miller Hall is the main administration building of Waynesburg University. This four-story, red brick structure houses administrative offices, Education Department offices and classrooms, two conference rooms, one of which is named for the distinguished alumnus, General Edward Martin, 1901, and the Paul R. Stewart Museum. Miller Hall resides on the National Registry for Historic Places.

**Paul R. Stewart Science Building.** Dedicated in September 1964, the five-story edifice houses the departments of Biology, Chemistry, Computer Science, Mathematics, and Nursing. This building, named in honor of Paul R. Stewart, Waynesburg's president for forty-two years, contains the William P. Snyder Jr. Lecture Hall, and faculty and student research laboratories including completely renovated biology and chemistry laboratories.

**Goodwin Performing Arts Center.** The Goodwin Performing Arts Center houses the University's drama and music programs. The 250-seat auditorium is the site of cultural and arts programs for the campus and the community.

**Eberly Library.** The Eberly Library is named for the Eberly Foundation of Uniontown, Pennsylvania. During the academic year, the library is open from 7:30 a.m. to midnight, Monday through Thursday, with reduced hours on the weekends. The library's physical collection is composed of over 75,000 print books and over 220,000 online books; also available for circulation are 2,200 compact disk sets, and more than 2,000 films on DVD. The library also provides access to full text articles in thousands of journals online.

The main floor of the library has two classrooms/seminar rooms: the Dayle McCurdy Tony Smart Classroom and the b.f. maiz Center for Poetry and Biblical Justice. Many students also enjoy studying in the Guesman Reading & Reflection Room, where the library's Faith and Learning Collection is located. On the top floor are the Stover Center for Constitutional Studies & Moral Leadership, the Dayle McCurdy Tony Reading Room, and a conference/study room.

The library's special collections are housed in the Trans-Appalachian Room, along with an excellent collection of university, local and regional archives and history books. The library also holds a large collection of documents from the office of the Honorable Thomas E. "Doc" Morgan, who was the chairman for many years of the House of Representatives' Foreign Affairs Committee of the U.S. House of Representatives.

In addition to electronic books available through EBSCO Information Services, the library has many other online resources available to students. Also, through myConnect, the University's online portal and through LibGuides, which includes academic departments' web pages, undergraduate and graduate students have available research studies and literature.

Those resources include: 18 databases purchased from EBSCO Information Services, from Hein Online, JSTOR and other major database vendors. Special databases are offered to students for business research (Hoover's and Privco), chemistry research (SciFinder), nursing and health research, theology, psychology, and other fields.

There are over 150 desks, tables and chairs throughout the library at which students enjoy working alone or in groups which are located in comfortable public and private study areas. Professional librarians are available to help students with their research projects and to teach research methods classes. To assist students and faculty with their research, Eberly Library's interlibrary loan staff retrieves thousands of articles and books from other libraries.

**Center for Research and Economic Development.** The Center for Research and Economic Development (CRED) is a resource for business and industry, applying the University's scientific research and business expertise to real-world projects. Activities associated with the CRED stimulate economic development in southwestern Pennsylvania. The CRED connects the intellectual and physical assets of Waynesburg University and the cultural and environmental resources of the surrounding region to support initiatives contributing to the long-term sustainable economic future of

the area. The Center is part of the Waynesburg Keystone Innovation Zone (WKIZ) that assists start-ups and young businesses.

## SERVICE BUILDINGS

**Benedum Hall.** Constructed in 1959, and expanded in 1971 and 2007, Benedum Hall contains a spacious dining hall, pottery studio, art gallery, and practice rooms for the chorus and band.

**The Marisa Fieldhouse and Gymnasium Center.** The Marisa Fieldhouse and the recreation center contain basketball courts, a wrestling room, a weight room, men's and women's locker rooms, racquetball courts, and other recreational facilities. Intercollegiate and intramural events are held in this building which seats 1,200 in the original structure and 1,350 in the newer structure. This building also houses the Athletic Training Program offices and facilities, the Athletic Department, and meeting rooms for various student organizations.

**Fitness Center.** Opened in 2009, the Fitness Center offers students, faculty and staff an additional 16,000 square feet and a variety of new cardio and strength-training machines. The new facility houses locker rooms for athletes and additional locker rooms for students, faculty and staff. The Fitness Center is accessible from the Rudy Marisa Fieldhouse.

**Stover Campus Center.** A hub of campus life, which opened in September 1998, the Center houses Student Services, the Service Learning programs, and international programs as well as a new snack bar, student mailboxes, recreation space, banquet/meeting facilities, prayer chapel, Chaplain's office, and bookstore.

**Student Health Services.** Health services, under the supervision of registered nurses, are available in the Student Health Service Center, located in the Robert C. Wiley Armory.

## RESIDENCE HALLS

**Burns Hall.** This women's residence hall is named for Ross Burns 1907, a loyal alumnus and devoted trustee of the University. Of red brick and limestone construction, the building houses 126 women.

**Denny Hall.** A beautifully appointed lounge and a spacious patio are popular features of this facility, which is named for the three Denny sisters, Mrs. Mary Denny Weaver 1914, Miss Josephine Denny 1915, and Mrs. Helen Denny Howard 1919. These gracious ladies, long supporters of Waynesburg University, provided the furnishings and equipment for this residence hall which houses 108 women.

**Martin Hall.** This residence hall was first occupied at the start of the 1965 fall semester. This handsome edifice was named in honor of General Edward Martin and his wife, Charity Scott Martin, both of the Class of 1901. The building houses 176 men and provides two recreational lounge areas. Five stories in elevation, the building is located at the southeast corner of the campus overlooking the commons and the town of Waynesburg.

**Ray Hall.** Dedicated in September of 1963, Ray Hall honors Joseph W. Ray, 1874, and his son, Joseph W. Ray Jr., 1910, both former trustees of the University. This facility houses 59 women.

**Thayer Hall.** This three-story structure was completed in 1958 and is a residence hall for 126 male students. This facility was named in honor of a family of architects who served the University with special interest and devotion: Albert Lewis Thayer; his sons, Lauren H. Thayer and Harding H. Thayer; and a grandson, Karl S. Thayer. The latter is an alumnus of the University.

**West, South and East Halls** are suite residences housing 154 students.

**Pollock Residence Hall** opened in August 2005. It offers suite residence housing.

**Willison Residence Hall.** This six-story suite-style residence, opened in 2008, houses male students.

## OTHER FACILITIES

**John F. Wiley Stadium.** John F. Wiley Stadium, the University's athletic stadium, honors Dr. Wiley, a 1940 alumnus with a strong tradition of service to the University, to his profession, and to the community. The facility received top-grade FieldTurf in 2007.

**Frank N. Wolf Memorial Fieldhouse.** The Frank N. Wolf Fieldhouse was dedicated on September 23, 1995, in honor of former coach Frank Wolf and serves the athletic teams competing at John F. Wiley Stadium.

**Mo Scarry Skybox.** The Mo Scarry Skybox caters toward VIP guests at John F. Wiley Stadium. The skybox is adjacent to the press box, which holds the radio, television, and sports information game day operations. The facility is named in honor of the former Waynesburg head football coach and Miami Dolphins assistant.

**Paul R. Stewart Museum.** The University possesses numerous collections in the fields of geology, biology, archaeology, ceramics, and colonial historical objects. Prominent among these collections are those artifacts gathered by Paul R. Stewart, former president. The Paul R. Stewart Museum is located on the ground floor of Miller Hall.

**Paul F. Stanek Memorial Garden.** Located at the President's House, the Paul F. Stanek Memorial Garden honors the life of Paul F. Stanek, a 1964 graduate. At the time of his death, Stanek was a member of the Board of Trustees and Vice-President for Human Resources at CONSOL, Inc. Dedicated on October 7, 1995, the Stanek Garden was made possible by a gift from CONSOL, Inc.

**Intramural Fields.** Immediately east of the campus are fields used for intramural football and softball.

**Eastview Athletic Complex.** The Eastview Athletic Complex is located one mile west of campus. This new complex is comprised of baseball and softball fields along with six new tennis courts.

**Soccer/Practice field.** Soccer games are played on an international regulation field, located one mile west of campus. This sports complex is also complete with an additional soccer practice field.

**The Roberts Chapel.** The chapel, designed by Valentour English Bodnar & Howell, is located on North Washington Street on the north side of the campus quadrangle. The chapel's external footprint measures 76 feet wide by 134 feet long. Three levels are spread over 20,400 square feet, making up the sanctuary, a balcony and the Marsh Center on the ground floor. The Roberts Chapel seats 650 individuals. One of the more prominent buildings on campus, the building's height reaches a magnificent 120 feet. The chapel's exterior replicates a traditional brick nineteenth century Presbyterian Church appearance. Four 38-foot columns and 10, 32-foot windows add beauty and significance to the symbolic structure representing God's grace that has guided this University for more than 160 years.

**Robert C. Wiley Armory.** A recent addition to the University's campus, the Wiley Armory was renovated during the summer of 2011. The University's purchase of the historic building will allow it to be utilized while still maintaining the historic nature of the structure. The Armory houses Student Health Services, a gymnasium facility for wrestling and intramurals, and a variety of University offices.



# ADMISSION TO THE UNIVERSITY

Information on “Admission to the University” is based on policies in effect as of August 2021. Changes in policy may be made by the University Board of Trustees.

The student body at Waynesburg University is carefully selected. The University is primarily interested in the student who is thoroughly prepared for the academic challenges of university life and who has demonstrated the ability to benefit from higher education.

In judging the qualifications of applicants, the Admissions Committee adheres to the following basic requirements:

1. Graduation from an accredited high school or evidence of satisfactory work at another university.
2. Satisfactory grade point average and satisfactory rank in high school graduating class.
3. Satisfactory scores on the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board or the American College Testing Program (ACT). The SAT score will continue to be calculated with the math and evidence-based reading and writing scores combined. \*
4. A student’s individual character will also be considered.

Waynesburg University operates a “rolling admission” program under which qualified applicants are admitted as soon as their applications are completed and have been evaluated.

*\*Due to the COVID-19 pandemic, many applicants were unable to access the SAT/ACT. Those applicants were reviewed for admission for the 2021-2022 academic year without SAT/ACT scores.*

## RECOMMENDED HIGH SCHOOL COURSES

For the secondary school graduate, sixteen units in academic subjects are normally required for admission to the University. These units should be selected from those courses that the high school recommends as the college preparatory program.

## ADMISSION PROCEDURES

Applicants seeking admission should write to the Office of Admissions requesting the necessary application forms. The responsibility for the completion of these forms rests with the applicant. The following credentials are required:

1. **Formal Application.** The standard application form may be obtained by writing to the Office of Admissions or by applying online through the University website, [www.waynesburg.edu](http://www.waynesburg.edu). A twenty-dollar, non-refundable application fee should accompany the application. Checks or money orders should be made payable to Waynesburg University and sent to the Office of Admissions.
2. **Transcript of Credits.** High school transcript must include all work pursued through the senior year of secondary school. Prior to matriculation, all new students are to submit a final official high school transcript with the date of graduation. Students who have graduated prior to submitting their applications are required to present a complete academic record. Transcripts of transfer students must include all college work completed to date.
3. **Testing Programs.** All entering freshmen must submit scores from the Scholastic Aptitude Test (SAT) or the American College Test (ACT). The scores may be submitted as part of the high school transcript if the student has not furnished the University with an official score report from the testing agency. Information concerning these examinations may be obtained from high school counselors or by writing to the Office of Admissions. Transfer applicants are exempt from this requirement. Please refer to the Transfer Students section that follows for additional details about the transfer application process. \*
4. **Additional Testing.** Waynesburg University reserves the right to test further any applicant. Students may be invited to demonstrate their ability in tests administered by the staff of the Admissions Office and recommended by the Admissions Committee, or they may be required to take additional tests not administered by Waynesburg University personnel.

5. **Personal Interview.** Upon request, the Admissions Committee may require an interview of an applicant.
6. **Advanced Deposits.** Resident students accepted for the 2021-2022 academic year are charged a \$250 deposit. Nonresident students are to submit a deposit of \$150. This deposit is credited to the student's account and must be paid according to the date established in the deposit letter. The deposit is refundable for full-time students only if the Admissions Office is notified in writing of the student's intention to withdraw his or her application by May 1 (second semester, second Friday in December). After these dates there will be no refund.

If a prospective student decides to withdraw his or her application, the application, including any documents submitted with it, will be kept on file for two years should the student reconsider Waynesburg University. While these documents will be kept on file, prospective students who choose to pursue Waynesburg University for a future term must reapply and submit any additional or updated final transcripts or other documents requested at the time of the new application. Also, at that time, the Admissions Committee would need to reevaluate the application for admission and scholarship opportunities based on the admission standards and scholarship requirements of the new application entry term.

*\*Due to the COVID-19 pandemic, many applicants were unable to access the SAT/ACT. Those applicants were reviewed for admission for the 2021-2022 academic year without SAT/ACT scores.*

## TRANSFER STUDENTS

Waynesburg University welcomes transfer applicants. To be considered for admission as a transfer applicant at Waynesburg University, prospective students should have completed twelve credit hours of non-remedial coursework at an accredited institution(s) and have successfully completed high school or obtained a GED. Transfer applicants must be eligible to re-enroll at all prior institutions. Prospective students with less than twelve completed credit hours will be considered freshmen applicants and will be required to submit all requisite application materials mentioned in the Admission Procedures above. Transfer applicants are exempted from Admission Procedures requirement number three as listed above (Testing Programs), but should follow all other procedures outlined in the Admission Procedures.

Transfer courses are evaluated on an individual basis, unless specified in an official Articulation Agreement with another institution. Courses similar to those offered in the Waynesburg University Academic Catalog and graded C- and above are accepted. Validation of prior learning may be required (see Validation of Credit Policy). Associate degrees awarded by institutions will be examined individually.

Students who are considering submission of a transfer application may request a preliminary review concerning transferability of credits from the Registrar. Students who intend to enroll at a community college and then transfer to Waynesburg University may request and receive from the Registrar's Office an evaluation of the credits which would be transferred from a planned program of courses which has not yet been taken. The University may make changes it deems necessary to adjust the course of study to the qualifications shown by individual students.

Transfer students should refer to the Requirements for Graduation section for more information.

Please note: Scholarship requirements and conditions for transfer students can be found in the Financial Aid section.

## EVALUATION OF TRANSFER CREDITS

The following regulations govern the evaluation of transfer credit at Waynesburg University:

1. The amount of transfer credit and course equivalencies will be determined by the Registrar in consultation with the Department Chair and the Office of Academic Affairs.
2. The maximum number of hours allowed for credit earned at a two-year institution will not exceed the number of hours required in the first two years of the student's program at Waynesburg University.
3. Transfer credit will be given only for those courses that were completed with a grade of C- or above and that are certified as being applicable toward a comparable degree at the accredited institution that offered the courses. Grades below C will not be certified on the initial transfer credit evaluation for programs that require grades of C or above for their curriculum requirements.

4. Transfer credit will not be posted to a student's permanent record until an official copy of the transcript, issued directly from and bearing the seal of the institution awarding the credit, has been received in the Registrar's Office.

For additional information regarding transfer credit, see Transfer Policies for General Education Requirements.

## VALIDATION OF CREDIT POLICY

Academic credit granted outside the University by an institution that is not regionally accredited must be validated by examination (see Departmental Examination/Credit by Examination under Alternative Credit Opportunities) before the work can be transferred and applied toward the requirements of a degree program. To be validated, the work must be acceptable as transfer credit in lieu of a Waynesburg University course.

The following procedure shall be used to validate credit:

1. The student must receive permission of the Office of Academic Affairs and the Chair of the department in which the course is offered to validate the course credit.
2. The Department Chair shall make appropriate referrals to faculty member(s) (an individual or a committee) teaching the course to request that an examination be prepared and evaluated. Before the examination, the faculty member(s) shall inform the student of the area of knowledge of course content on which he or she is to be examined.
3. After the examination has been completed, the alternative credit opportunity form shall be filled out, signed by the Department Chair and forwarded to the Registrar's Office.
4. Upon receipt of the completed form, the Registrar shall enter credit for the validated course on the student's permanent record. A copy of the completed form shall be sent to the student.
5. Validation for any given course can be sought only once.

## INTERNATIONAL STUDENTS

Students from all countries are encouraged to apply to Waynesburg University. The diversity these students bring to the campus benefits the students, faculty, staff, and community. Waynesburg University offers an atmosphere where the international student can gain a quality education in a caring environment with an international student advisor and student organization.

An international student should submit a completed admission application as well as transcripts (translated into English by WES, World Education Services) of all academic secondary educational work and any post-secondary educational work (if applicable). An international student whose native language is not English must also submit a copy of his or her TOEFL score report before the application can be considered. Also, if the student has taken the SATs or ACTs those scores should be submitted to the University at the time of application.

While the University does not offer financial support specifically designated for international students, merit awards are available to all applicants who meet the University's scholarship guidelines, which are based on high school GPA and SAT/ACT scores.

An international student must complete a statement of financial support showing the student's ability to pay tuition, fees, room, board, books, supplies, personal expenses, and travel costs.

After receipt and proper evaluation of the items listed above, the University will make an acceptance decision and issue an I-20 (Application for Student Visa) or DS-2019 form. If the student receives an acceptance letter, he or she will need to deposit \$250 (U.S.). The deposit will be applied to the first semester's tuition charges.

For additional information, feel free to contact the University at [waynesburg.edu](http://waynesburg.edu).

## EARLY ADMISSION POLICY

Waynesburg University grants admission to secondary school juniors provided the student:

1. has a strong secondary school record (at least a 3.70 cumulative high school GPA and a combined score of 1250 – evidence-based reading and writing and math combined – on the SAT or 26 on the ACT);
2. possesses the maturity to satisfactorily adjust to college life;
3. is assured in writing by the secondary school administration that the student will be granted a diploma upon satisfactory completion of a specified amount of acceptable college work; and

4. has written permission from parent or guardian.

## HIGH SCHOOL ENRICHMENT PROGRAM

To enroll in the Waynesburg University High School Enrichment Program the student must meet the following criteria:

1. Be enrolled as a full-time junior or senior in an area high school.
2. Have an overall grade point average of 3.00 or above.
3. Have written permission of:
  - a. the school principal
  - b. parent or guardian, and the
  - c. Waynesburg University High School Enrichment Program Director

Courses taken at the University are not to substitute for high school courses. Therefore, the student should have completed the most advanced high school course available in that discipline.

High School Enrichment Program students will register after all degree-seeking students have preregistered. Enrollment will be on a space available basis. The University reserves the right to cancel or change High School Enrichment Program registration on or before the first day of class.

Admission to the High School Enrichment Program does not constitute admission as a degree-seeking undergraduate student. The University reserves the right to deny any student admission to the High School Enrichment Program.

Enrollment will be for college level graded credit, which is generally transferable.

If students choose to transfer credits earned to another institution, they must request their transcripts from the Registrar's Office. In addition, High School Enrichment students will not be charged an activity fee.

High School Enrichment students desiring to enroll in additional hours upon their initial enrollment must have the approval of the University's High School Enrichment Program Director.

In addition to the standard High School Enrichment Program, the University may also enter into agreements with local school districts to offer special enrollment opportunities. Students should refer to the details of the individual agreements for rules and responsibilities relating to those agreements.

## SPECIAL STUDENT (NON-DEGREE SEEKING)

The following persons, upon securing consent of the Admissions Committee, may be admitted as special, non-degree seeking students:

1. Mature, competent individuals who wish to supplement their previous education and practical experience with additional formal education, but who do not desire to pursue a degree program.
2. Mature individuals who are ineligible for admission as regular students and who are deemed competent by virtue of their demonstrated ability or by their practical training and experience, to benefit from courses they desire to take. Students in this category may apply for admission as regular students after they have successfully removed the deficiencies in their earlier preparation.

## ADVANCED PLACEMENT PROGRAM

Waynesburg University will normally grant academic credit and/or advanced placement to students who have completed college level courses in approved secondary schools and scored three or above on the Advanced Placement Tests of the College Entrance Examination Board. For additional information, see Alternative Credit Opportunities.

## COLLEGE LEVEL EXAMINATION PROGRAM

On the General Examinations portion of the College Level Examination Program (CLEP) of the College Entrance Examination Board, Waynesburg University will grant three semester hours credit for each of the five tests on which a score at the 60th percentile or above has been earned. The maximum credit to be awarded to fully matriculated students toward an undergraduate degree will be fifteen semester hours. For additional information, see Alternative Credit Opportunities.

## ADVISEMENT AND TESTING PROGRAM

Specially trained advisors are assigned to new students based upon the student's interest in a major. Students unsure of a major will be assigned an advisor who can assist in the exploration of potential courses of study. All students have the opportunity to see their advisors regularly. At registration periods, students must obtain the approval of their advisors for the schedule of courses elected. The Office of Academic Affairs and the Registrar offer additional academic advice to juniors and seniors.

At the time of matriculation, students will be given an opportunity to challenge their initial math placements which are determined by multiple data points from their high school transcript. Challenge examinations are scheduled during New Student Orientation and/or the first week of classes. Additional tests of learning styles and career interest are available from the Counseling Center. The results of the placement, learning styles, and career tests are used by the faculty, academic advisors, and students in selecting and scheduling courses, choosing a major, and making career decisions.

## READMISSION OF FORMER STUDENTS

Former students must apply for readmission by submitting the Returning Student application available on the University website (<https://enroll.waynesburg.edu/apply/?sr=f9524304-1b50-4cf4-aeb1-1194e662a0df>). Readmitted students are ineligible for scholarships received during their prior enrollment at Waynesburg. For additional information, please contact the Registrar's Office ([registrar@waynesburg.edu](mailto:registrar@waynesburg.edu) or 724-852-3237).

## CONDITIONAL ADMISSION

Each year a limited number of students may be accepted on a provisional basis. These students will be designated as conditional at the time of acceptance, and a special prescribed program will be required.

## GRADUATE EQUIVALENCY DIPLOMA

Acceptable scores on the GED are recognized as criteria for admission at Waynesburg University. Students seeking admission holding a GED will be required to take standardized tests (SAT or ACT) and possibly complete additional requirements.

## REQUEST FOR REASONABLE ACCOMMODATION

We encourage qualified individuals with disabilities to apply for admission to the University. Individuals with disabilities who require reasonable accommodation to participate in any portion of the application, interview, and/or testing process must advise us in advance. Upon request, applicants will be required to provide documentation confirming a disability and the need for accommodation. To request an accommodation, please contact the Disability Services Office:

Alexis Baily, Disability Services Coordinator, Academic Support Specialist

Email: [alexis.baily@waynesburg.edu](mailto:alexis.baily@waynesburg.edu)

Office Phone: 724-852-7727

Office Location: B21 Bottom Floor, Eberly Library

Applicants are encouraged to request any necessary accommodations as early as possible to allow the University to complete the necessary case-by-case analysis.

Applicants may be asked to provide information from their health care/mental health care provider information concerning the applicant's diagnosis, functional limitations, and recommendations regarding accommodation needs. The information provided will be shared only with relevant staff and will be used only as permitted under Section 504 of the Rehabilitation Act of 1973. All requests for accommodations and documentation are considered on a case by case basis. This information will have no bearing on the applicant's eligibility for admission.

# FINANCIAL INFORMATION

## GENERAL UNIVERSITY CHARGES

**IMPORTANT NOTE:** Instruction for courses may be delivered in-person, online, or through any combination of in-person or online learning. Regardless of the modality utilized, the cost will remain the same. In addition, the courses may transition from one mode of instruction to another with little or no advance notice based on the discretion of the University.

Waynesburg University has a financial aid program of scholarships, grants, loans, and work opportunities that may substantially reduce the cost of attending the University. Information about financial aid begins on page 26.

Unless otherwise noted, the following become effective August 2021. The University reserves the right to adjust these charges at the beginning of any semester in accordance with prevailing costs.

Tuition (12 to 18 hours)* .....	\$26,380.00
University Fee (student organizations, service, athletic events, facilities)* .....	590.00
Undergraduate Technology Fee* .....	480.00
<b>Estimated annual cost for non-campus resident students.....</b>	<b>\$27,450.00</b>
Double Room .....	5,760.00
Triple Room .....	4,190.00
Private Room and New Dorms.....	8,080.00
Apartment Triple Room .....	6,450.00
Apartment Quad Room .....	5,440.00
19-Meal Plan .....	5,620.00
14-Meal Plan .....	5,620.00
10-Meal Plan .....	5,430.00
Commuter Meal Plan (5 meals, Monday through Friday).....	2,140.00
Dining Facilities Fee .....	140.00
<b>Estimated annual cost for campus resident students .....</b>	<b>\$38,970.00</b>

The General University Charges above reflect cost for the academic year.

\* *Tuition and the Technology and University Fees are charged regardless of whether courses are taught in-person, remotely or through a Co-op program.*

## SPECIAL CHARGES AND FEES

Art Lab (ART 117, 118, 125, 126, 215) – per course* .....	75.00
ATI Testing (NUR 201, 321, 401) – per course* .....	335.00
Audit fee (except full-time day students) – per hour .....	300.00
Checks returned marked “insufficient funds” .....	40.00
Criminal Justice Technology Fee (CRJ 217)* .....	50.00
Computer Lab (CSC 105, 116, 117) – per course* .....	15.00
CPR (ATP 207; HSC 136) – per course* .....	31.00
Departmental Examination Fee – per hour .....	80.00
DNP Residency .....	825.00
Dorm damage deposit – (Resident students only) .....	100.00
Education Liability (ECE 205, 306, 405; EDU 115; MSE 206, 305, 406; SED 206, 305, 406) – per course* .....	32.00
Graduate Counseling Field Experience Technology Fee (CNS 565 and CNS 628) .....	200.00
Hurst Review Course (NUR 402)* .....	350.00
Insurance Fee: Athletic Training (Fr./Soph./Jr./Sr.); .....	40.00

Nursing (Soph./Jr./Sr.) – per year (This fee is non-refundable.)	
Late payment fee.....	40.00
Late registration fee .....	40.00
Matriculation fee (for all students not previously registered).....	20.00
Nursing Simulation and Technology Fee (NUR 201 and 321)*.....	200.00
Part-time University fee (more than 5 semester hours and less than 12) – per hour.....	20.00
Photography Lab Fee (COM 209, 309) – per course* .....	75.00
Portfolio Credit Evaluation Fee – per hour .....	80.00
Room Charges, Summer 2022 – 5-weeks .....	1,265.00
Room Charges, Summer 2022 – 3 weeks.....	760.00
Service Learning Portfolio Credits – Graduate and Professional Studies.....	60.00
Special Fee – Health-related clinical courses (NUR 201, 202, 321, 322, 415, and 419; ATP 201, 202, 301, 302, 401 and 402; Nursing Care and Athletic Training Practicum) – per course* .....	160.00
Special Fee – Individual Instruction (MUS 112, 212, 312, 412) – per course* .....	250.00
Tuition for Accelerated RN/BSN Program – per hour .....	400.00
Tuition for Accelerate Business Program – per hour .....	640.00
Tuition for Degree Completion – per hour.....	500.00
Tuition for Doctor in Nursing Practice (DNP) Program – per hour .....	825.00
Tuition for Doctor of Philosophy (Ph.D.) Program – per hour.....	825.00
Tuition for Evening School – per hour.....	725.00
Tuition for Graduate School (MA in Counseling) – per hour .....	695.00
Tuition for Graduate School (MA in Criminal Investigation, MAT, MBA, MEd, MSAT, MSN) – per hour .....	685.00
Tuition for High School Enrichment – per hour.....	435.00
Tuition for less than 12 semester hours – per hour.....	1,090.00
Tuition for over 18 semester hours – per hour .....	725.00
Tuition for Summer School 2022 – per hour.....	725.00

\* This course fee is charged for courses delivered in-person, online, or through any combination of in-person or on-line learning and/or for students enrolled in Clinical-related courses.

It is not Waynesburg University's policy to mail bills for Graduate-level courses, Evening School programs, or Summer Session classes, as tuition and fees are due in full either upon registration or by the first day of each session.

New students accepted for the 2021-2022 academic year are charged a \$250 deposit (\$125 for commuting students). This charge may be paid within 30 days of the official letter of acceptance. However, a reasonable extension of this deadline will be granted to students who make a special written request to the Director of Admissions.

The full deposit is refundable if the Admissions Office is notified in writing of the student's intention to withdraw his or her application by May 1, 2021 (second semester, second Friday in December). After these dates, there will be no refund.

## TERMS OF PAYMENT

All accounts must be paid in full on August 9, 2021, for the fall semester and January 5, 2022, for the spring semester. After these dates, late fees will be applied to the student's account. The University accepts MasterCard, Visa, Discover, and American Express credit cards for account payments. There is a non-refundable service fee of 2.75% on all student account payments made by credit or debit card. There is no service fee for payments made using check or ACH payments from a checking or savings account. Students may submit payments online with credit/debit card or by ACH by clicking "Make a Payment" through their Self-Service account. If a family member will be submitting payment on behalf of the student, the student will need to set them up as an authorized user and they will receive their own login and link to the online payment site. Please contact the Business Office for more information. For those students who expect to receive a Direct Stafford Loan, Direct PLUS Loan, or other private financial aid,

documentary evidence of the award must be submitted to the University Business Office by the above dates. Any student who has not met the financial obligation by the first day of classes will not be officially enrolled and may not attend classes.

Beginning Tuesday, August 10, 2021, a late payment fee of \$40 will be added to all unpaid accounts. An additional charge of \$100 will be assessed to students who fail to satisfy their financial obligations by the last day of the drop/add period (Friday, August 27, 2021).

## PAYMENT PLANS

For families who prefer to pay account balances on a monthly installment basis, we have partnered with Nelnet Campus Commerce to offer undergraduate, semester-based payment plans for the Fall and Spring semesters. Students can access their online account and setup a payment plan through the “Make a Payment” link on their Self-Service account. Students can also setup authorized users who will receive their own login and link to the site and will have the ability to setup a payment plan. There is an enrollment fee per semester to participate. Payment plans can be setup using Automatic bank payment (ACH) or credit card/debit card (an additional service fee will be assessed.) Payments are processed on the 25<sup>th</sup> of each month and will continue until the balance is paid in full. For more information regarding the payment plan, please contact the Business Office.

## BOOKS AND CLASS MATERIALS

New and used textbooks may be purchased from the virtual Waynesburg bookstore, managed through a contract with Follett Corporation and can be found on our website at [Waynesburg University Virtual Bookstore](#). This virtual store offers competitive pricing for all books and the widest variety of books available among all suppliers.

## CAMPUS STORE AND BRANDED GEAR

Waynesburg University’s new campus store, The Nest, will offer WU branded items, other gear, and goodies. The store will also offer games and activities to serve as another spot for students to enjoy on campus. The store is located at 84 Wayne St. and is being managed by contract with Direct Results, a local company. The Nest will accept all major credit cards, will ship items and will have an online store.

## REFUNDS

All refund checks will be issued 14 days from the date a credit balance occurs.

### **Overpayment —**

Please allow at least 14 days for a refund check or ACH to be issued. The refund check will be mailed to the student’s current address on file in the Business Office or sent via ACH if the student elects, and provides the necessary information to participate in the ACH refund option.

### **Room Reservation —**

Payment of total room charges by August 9, 2021, confirms a room reservation for the fall semester, and payment of total room charges by January 5, 2022, confirms a room reservation for the spring semester.

### **Change of Registration —**

There will be no refund or additional tuition charges for students who drop and add an equal number of credit hours within the same semester if the per credit tuition rates are the same. In those instances where students add credit hours and the revised tuition charges are greater, the additional charges will be assessed. There will be no refund for students who withdraw from courses after the last day for late registration and drop/add (August 27, 2021, for the fall semester and January 14, 2022, for the spring semester).

### **Withdrawal from University —**

No refund of tuition or other fees is made unless a student withdraws from the University officially (see Withdrawal from University, page 45).

### **Registration Cancellation Prior to the First Day of Class —**

There is a full refund, except for the deposit, when a student’s class registration is cancelled prior to the first day of classes.

### **Waynesburg University Return of Title IV Funds and Calculation of Institutional Funds Refund Policy —**



Students who withdraw must formally notify the University by contacting the Registrar's Office or by completing a withdrawal form. This form may be obtained from the Registrar's Office (Miller Hall 105). Failure to attend classes after registration is not justification for elimination of semester charges. Once the University has been formally notified of the student's withdrawal, review of the account, financial aid records, and date of withdrawal will determine the appropriate refund.

**Procedures:** Waynesburg University will review the student account and other necessary materials to determine any refunds, repayments, and/or return of costs and monies of each student who withdraws from the University. Once the University has been notified that the student is withdrawing, the appropriate repayment, and/or return policy will be used. The University will use the appropriate policy, which is determined by the date of withdraw, as noted by the Registrar and the types of financial aid received. Effective for the 2021-2022 academic year, withdraw calculations for students who withdraw voluntarily while in good standing will be based on the following policies:

#### **Return of Title IV Funds —**

This applies to those students who received Federal Title IV financial aid and who withdraw from the University during the first 60% of the semester. The following steps will be used in determining the Return of Title IV Funds:

1. Date of withdrawal will be the date the student begins the withdrawal process with the Registrar's Office unless there is documentation of class attendance/academic engagement beyond that date.
2. Determine date of withdrawal and percentage of payment period completed by the student.

**Note:** The percentage completed is based on the number of calendar days attended divided by the total number of calendar days of the semester. If the % completed > 60%, the student will have earned 100% of the payment period; no return of Title IV Funds.

Fall 2021 (8/23/21 – 12/10/21) = 105 Calendar days

Spring 2022 (1/10/22 – 4/29/22) = 101 Calendar days (excluding the Spring 2022 Semester Recess)

**Example:** If a student withdraws on September 30, 2021 (39th calendar day of the semester), the student has completed 37.14% (39/105) of the payment period. This percentage will be used in the remainder of the calculations.

3. Calculate amount of Title IV aid earned by the student.
4. Compare amount earned and amount disbursed to determine amount unearned.
5. If amount earned > amount disbursed, determine late disbursement.
6. If amount earned < amount disbursed, determine amount of Title IV aid must be returned.
7. Calculate portion of funds to be returned by the institution and student.

Students who do not follow the official withdrawal procedure and stop attending classes will be considered to have withdrawn at the 50% point of the semester unless attendance/academic engagement is documented after that time.

Students who receive a refund of financial aid prior to withdrawing from the University may owe a repayment of federal financial aid funds received. Students in such situations will be contacted by the Business Office and will be given 30 days to repay the funds to the University. Students who fail to repay the unearned portion of federal financial aid funds will become ineligible for future financial aid and will be turned over to the Department of Education for collection. Students must then contact the Department of Education at 1-800-433-3243 for repayment arrangements.

#### **Institutional Aid, State Grant, and Tuition Assistance Refund Policy —**

This applies to those students who receive Waynesburg institutional funds, state grant funding, TA funding, and who are or are not recipients of Federal Title IV financial aid. The Institutional, State, and TA Refund/Return Policy will be calculated in the same manner as the Return of Title IV Funds. Refer to the steps of the Return of Title IV Funds. If all charges for tuition and fees are refunded or reversed for the semester, then all institutional aid, state aid, and TA funding will be reversed and refunded to their source.

#### **Institution Tuition Charge Calculation —**

Waynesburg University charges for tuition and fees will be calculated based on the same calculation as the Return of Title IV Funds. NOTE: Institutional Aid in the form of an Achievement Award is provided to both resident students and commuter students. Resident students will receive an increased award amount, a portion of which, goes to the payment of room and board fees. Should a student withdraw from University housing, the withdrawing student shall be treated as a commuter student for that portion of the semester when the student no longer resides on campus and the return of Achievement Award shall be calculated accordingly.

**Additional Withdrawal Information —**

Pennsylvania and other state grants will be adjusted according to the agency's stated guidelines. It is expected that Pennsylvania State Grants will be reduced by the same percent used in the Return of Title IV funds calculation.

All withdrawals prior to the start of classes, as well as during the semester, must be official. You should begin the process by contacting the Office of Records and Registration, Room 109, Miller Hall (724-852-3252). The office staff will advise you of the procedures in the withdrawal process.

All cash refunds disbursed directly to a student to use toward living, personal, and miscellaneous expenses during the semester will be made from the following (in ranking order):

1. Federal Direct Plus Loan
2. Federal Direct Unsubsidized Loan
3. Federal Direct Subsidized Loan
4. Federal Nursing Loan
5. Federal Pell Grant
6. Federal FSEOG Grant

The Return of Title IV funds will be made to the programs in the following order:

1. Federal Direct Unsubsidized Loan
2. Federal Direct Subsidized Loan
3. Federal Nursing Loan
4. Federal Direct PLUS Loan
5. Federal Pell Grant
6. Federal FSEOG Grant

**Room Charges —**

There will be no refund given for room charges after the first day of the semester except for anyone withdrawing completely from the University. In the event of a pandemic or other event causing the University campus operations to cease, however, the University will apply the Calculation of Institutional Refund Policy to determine the pro-ration percentage to refund room charges and reduce applicable institutional aid (i.e. Achievement Awards).

**Meal Plan —**

No decrease or refunds of meal plans will be permitted after Friday, August 20, 2021, for the Fall 2021 semester and Friday, January 7, 2022, for the Spring 2022 semester. In the event of a pandemic or other event causing the University campus operations to cease, however, the University will apply the Calculation of Institutional Refund Policy to determine the pro-ration percentage to refund meal plan charges and reduce applicable institutional aid (i.e. Achievement Awards).

**Refund Policy for Involuntary Withdrawal —**

Waynesburg University charges and fees will be calculated based on the same calculation as the Return of Title IV Funds for any student who is required to withdraw because of misconduct.

**Policy for Reservists & National Guard Members Ordered to Report for Active Duty —**

1. When applying for withdrawal, the student must present confirmation of his/her orders to report for active duty.
2. The student's tuition and fees will be refunded as follows:
  - a. Tuition, University fee, and Technology fee ..... 100%
  - b. Room and board ..... 100%
3. Any student refunds or parent plus refunds would need returned to Waynesburg University so that the aid could be returned to the lender.
4. If a student is called to duty near the end of the semester, he/she may choose to accept an incomplete grade to be made up at a later date subject to the approval of his/her faculty and the registrar's office. Since a student would eventually receive a grade, there would be no tuition refund if the student chooses this option. Room and board would be pro-rated by number of weeks attended.
5. If all charges for tuition and fees are refunded/reversed for the semester, all institutional aid will also be reversed. Any Title IV Financial Aid will be handled per the federal policy.

**Return of TA Funds —****Undergraduate – Semester Based**

Date of withdrawal will be the date the student begins the withdrawal process at the Registrar's Office unless there is documentation of class attendance/academic engagement beyond that date. If withdraw occurs prior to the start of the semester there will be a 100% return of TA funds. A withdraw calculation will be completed for students who withdraw from the University during the first 60% of the semester. The percentage completed is based on the number of calendar days attended divided by the total number of calendar days of the semester. If the % completed is > 60% the student will have earned 100% of the payment period. Any unearned portion of TA funds will be returned to the government within thirty days from the notification of withdrawal.

- Fall 2021 (8/23/21 – 12/10/21) = 105 Calendar days
- Spring 2022 (1/10/22 – 4/29/22) = 101 Calendar days (excluding the Spring 2022 Semester Recess)

**Example:** If a student withdraws on September 30, 2021 (39th calendar day of the semester), the student has completed 37.14% (39/105) of the payment period. This percentage will be used in the remainder of the calculations.

#### **8-Week Session Based Course Withdraw**

Date of withdrawal will be the date the student begins the withdrawal process with the Registrar's Office unless there is documentation of class attendance/academic engagement beyond that date. Any unearned portion of TA funds will be returned to the government within thirty days from the notification of withdrawal.

- 100% return of TA funds before or during first week of session
- 80% return of TA funds if in second week of session and prior to the third week class.
- 60% return of TA funds if in the third week of session and prior to the fourth week class.
- 25% return of TA funds if in the fourth week of session and prior to the fifth week class.
- 0% return of TA funds if in the fifth week of class

# FINANCIAL AID

## GENERAL INFORMATION

The mission of Waynesburg University is to make higher education accessible and affordable for all students. Almost every student attending Waynesburg University receive some form of financial assistance. Therefore, all students and their families are encouraged to apply for financial aid each academic year.

The University processes financial aid from numerous federal, state, private and institutional sources. Financial aid may include scholarships, grants, student loans, parent loans and/or work-study programs. The University attempts to distribute aid equitably and students may be awarded from more than one type of aid program. A student's financial aid award is normally a combination of gift aid (grants/scholarships) and self-help aid (loans/work-study). Most financial aid awards are based upon demonstrated financial need, which is determined by subtracting the Expected Family Contribution (EFC) from the estimated Cost of Attendance (COA). The EFC is calculated by the United States Department of Education based on the information that the student submits on the Free Application for Federal Student Aid (FAFSA).

To apply or reapply for financial aid each academic year, students must complete the FAFSA annually. The FAFSA must also be submitted in a timely manner to satisfy federal, state and institutional deadlines. In addition to this, to remain aid eligible, students must also meet the University's policy on Satisfactory Academic Progress (SAP).

## SATISFACTORY ACADEMIC PROGRESS (SAP) POLICY

### UNDERGRADUATE STUDIES

In accordance with the United States Department of Education (USDE), Waynesburg University has established the following Satisfactory Academic Progress (SAP) Policy which will determine whether an otherwise eligible student is making satisfactory academic progress in his/her educational program and thus is eligible to receive financial assistance under Federal Title IV, HEA and institutional aid programs. The University's Registrar's Office will conduct this review at the end of each payment period (semester). All students will be reviewed and evaluated at this time. The University's SAP Policy applies to all continuing undergraduate degree seeking Waynesburg University students. The effective date for the Waynesburg University SAP Policy was July 1, 2011 (amended June 2017).

Please note that, although Waynesburg University will utilize this policy to determine eligibility for all institutional funding, including merit and need based University scholarships and grants, the Pennsylvania Higher Education Assistance Agency (PHEAA) and the Pennsylvania State Grant Agency use their own SAP standard to determine eligibility for its state grant program. For information regarding this, go to [www.aessuccess.org](http://www.aessuccess.org).

### Policy Requirements

The Waynesburg University Registrar's Office evaluates the SAP of all students at the end of each payment period (semester). At this evaluation, the following measurements of a student's academic progress will be reviewed and determined:

- **Grade Point Average (GPA)** – A student must achieve a minimum, cumulative grade point average (GPA) at the end of each payment period as set forth in the chart below. Transfer credits will not be considered in the calculation of a student's cumulative GPA.
- **Program Length/Attempted Credits** – Waynesburg University credits attempted cannot exceed one hundred-fifty percent (150%) of the credits required and defined by the University's published length of the specific program (e.g., all undergraduate degree programs requiring 124.0 credits will have a maximum time frame of 186.0 attempted credits). All courses with a grade designated as "I," "W," "WF," "WP," "NG," or "Pass/Fail" will be counted as credits attempted. Credits on all repeated courses will be counted as credits attempted. Transfer credits from another institution that are accepted toward the fulfillment of requirements of a Waynesburg University degree will be counted as both credits attempted and credits completed.
- **Pace of Completion** – In order to ensure completion within the maximum time frame that a student is required to complete his or her educational objective at the University, the student must maintain a specific pace of completion. The pace of completion is calculated by dividing cumulative credits completed by

cumulative credits attempted (credits completed/credits attempted). To maintain Satisfactory Academic Progress, a student must maintain the cumulative pace of completion set forth in the chart below. The cumulative pace of completion will be measured at the end of each payment period. All courses with a grade designated as “I,” “W,” “WP,” “WF,” “NG” or “Pass/Fail” will be counted as credits attempted in determining the student’s pace. Credits on all repeated courses will be counted as credits attempted. Transfer credits from another institution that are accepted toward the fulfillment of requirements of a Waynesburg University degree will be counted as both credits attempted and credits completed.

Waynesburg University Credit Hours Attempted/Enrolled	Cumulative GPA (grade point average) Requirement	Pace of Completion
1 - 18	1.75	50%
19 - 35	1.85	50%
36 - 52	1.93	55%
53 - 69	2.00	60%
70 - 86	2.00	65%
87 - 103	2.00	70%
104 - 120	2.00	75%
121 - 137	2.00	75%
138 - 154	2.00	75%
155 - 186	2.00	75%

Students who meet the GPA, maximum program length, and pace of completion requirements will be considered to be in compliance with the University’s SAP Policy and thus will maintain Title IV and institutional aid eligibility.

Students who fail to meet the University’s SAP standards at the end of a payment period will be placed on “Financial Aid Warning.” The student will be notified in writing of this status from the Registrar’s Office and will continue to be eligible for Title IV and institutional financial aid for one subsequent payment period. At the end of this payment period, if the student has not met the University’s SAP standards, he/she will be notified in writing why he/she has failed to meet the University’s Policy and the consequences resulting from this failure (e.g., loss of Title IV and institutional aid eligibility, academic suspension, etc.).

#### **Appeal Process**

A student who has failed to meet the University’s SAP standards has the right to appeal his/her SAP failure. To do so, the student must state in writing the basis of his/her appeal (e.g., death of a relative, injury, illness or other extraordinary circumstances that prevented the student from attending classes and successfully completing the coursework), include documentation that supports the basis of his/her appeal, and explain what has or will change that will enable him/her to meet the SAP standards at the next evaluation. This appeal letter must be addressed to the Academic Standards and Procedures Committee c/o Registrar’s Office, Waynesburg University, 51 West College Street, Waynesburg, Pennsylvania, 15370.

The Academic Standards and Procedures Committee will respond in one of the following ways:

- **Appeal approval** – If the appeal is approved, the student will be placed on “Financial Aid Probation” and will be eligible for Title IV and institutional aid for one subsequent payment period. The Academic Standards and Procedures Committee may impose terms and conditions on the student (e.g., taking a reduced course load, mandatory enrollment in specific courses or meeting the requirements of an Academic Plan,

etc.). The student is required to submit an approved Remediation Agreement to the Registrar's Office, who will notify the Financial Aid Office accordingly.

- **Appeal denial** – If the appeal is denied, the student will be notified in writing as to the reason (e.g., not able to meet the GPA, program length and/or pace of progression requirements in one term, failure to comply with a previous Academic Plan, etc.) and Title IV and institutional aid eligibility will not be reinstated until the SAP standards are met by the student.
- **Incomplete appeal** – If the student's appeal letter does not meet the University's requirements, it may be returned to the student for further information and/or documentation. Until this is resolved, the student will remain ineligible for Title IV and institutional aid.

A student who is experiencing extreme circumstances may appeal his or her SAP failure more than one time at the discretion of the Academic Standards and Procedures Committee. However, if a student who has appealed on the basis of one circumstance wants to appeal again on the basis of the same circumstance, the student must provide information about what has changed or will change that will enable the student to meet the SAP standards at the next evaluation.

Specific questions regarding SAP and the University's SAP Policy should be directed to the Registrar's Office at 724-852-3252. Questions regarding the financial aid implications or options should be directed to the Financial Aid Office at 724-852-3208.

#### **Other Considerations**

**Repeated Courses** – If a student repeats a course, both attempts will count as cumulative credit hours attempted in determining the student's program length and pace of completion. If a student repeats a course that he or she passed, but did not achieve a minimum course grade required by a specific program, both attempts will count as cumulative credit hours attempted and cumulative credit hours completed in determining the student's program length and pace of completion. For the purpose of Title IV and institutional aid eligibility, a student is permitted to repeat each previously passed course once during his or her academic career at the University. The highest grade obtained will be used to determine the cumulative grade point average.

**Incomplete Grades and NG Grades** – Incomplete grades ("I") and courses assigned a grade of "NG," will count as credit hours attempted in determining a student's program length and pace of completion. They will not be included in calculating the cumulative grade point average until a letter grade is assigned. Incomplete grades must be completed in the first six weeks of the semester following the one in which the work reported incomplete is taken or the incomplete grade is changed to an "F."

**Grade Change** – The student is responsible for informing the Registrar's Office of a grade change and requesting an immediate reevaluation of progress.

**Medical Incomplete Grade** — Students receiving a Medical Leave of Absence (MLOA) will receive an "IM" (Incomplete Medical) grade for all credit-bearing courses for the semester the MLOA is approved. A grade of IM will not count as credit hours attempted in determining a student's program length and pace of completion.

**Medical Withdrawal Grade** – A grade of WM will not count as credit hours attempted in determining a student's program length and pace of completion.

**Withdrawn Courses** – Courses with a grade designated as W, WP, and WF will be counted as credit hours attempted in determining a student's program length and pace of completion. They will not be counted as credit hours completed, and only a grade of WF will be included in calculating the cumulative grade point average.

**Transfer Credit** – Courses taken at another accredited institution and accepted by the Registrar for credit toward the educational or degree program of a student will count as credit hours attempted and credit hours completed in determining a student's program length and pace of completion when they are officially recorded on the Waynesburg University transcript. They will not be used in calculating the cumulative grade point average.

**Course Audits** – Audited courses will not be counted as credit hours attempted in determining a student's program length and pace of completion, and they will not be used in calculating the cumulative grade point average.

**Pass/Fail Courses** – If a student elects to take a course graded on a Pass/Fail basis, the course will be counted as credit hours attempted in determining the student's program length and pace of completion. A passing grade will be counted as credit hours completed, but will not be used in grade point average calculations. A failing grade will not be counted as credit hours completed, but will be used in calculating the cumulative grade point average.

**Summer School Coursework** – Summer school classes will be counted as credit hours attempted in determining a student's program length and pace of completion and, if taken at Waynesburg University, will be used in calculating the cumulative grade point average. Summer school courses may be used to support an appeal.

**Part-time Enrollment** – The program length, pace of completion and cumulative grade point average requirements described under the Policy Requirements section apply to students enrolled on a part-time basis.

**Readmission** – The progress of students who are readmitted to Waynesburg University after a period of non-enrollment will be evaluated upon readmission using the program length, pace of completion and cumulative grade point average requirements described under the Policy Requirements section, taking into consideration all past and present coursework. With regard to the five year (ten semesters) maximum time frame, periods of non-enrollment will not be considered.

**Adjusted Resident Credit** – If a student elects Adjusted Resident Credit status, progress will be evaluated using the program length and pace of completion requirements described under the Policy Requirements section, taking into consideration all past and present coursework. However, with the exception of courses where the student has earned a “C” or higher, the cumulative grade point average will be calculated using only courses taken subsequent to reinstatement.

**GRADUATE AND PROFESSIONAL STUDIES** — See page 284.

## GRANT AND WORK PROGRAMS

**Federal Pell Grant.** This federal grant program is for undergraduate students with a low EFC and exceptional financial need. The actual amount of the award is determined annually by the U.S. Department of Education (USDE) and is based on the Expected Family Contribution (EFC), which is determined by the FAFSA. The awards vary based on EFC, with the maximum award being \$6,495 for the 2021-2022 academic year.

**Federal Supplemental Educational Opportunity Grant (FSEOG).** This is a federal, campus-based aid program. This grant is awarded to students with demonstrated, exceptional financial need or those with Federal Pell Grant eligibility. Amount of award varies depending on a student’s financial need and funding levels.

**State Grants (PA, OH, WV, DE, VT, MA, ME, DC).** Many states have grant programs for their residents and some of these grant programs have provisions for students attending out-of-state colleges. State grants are normally based on financial need and the actual award is determined by each state. You should contact your state agency to obtain additional information or applications.

**Waynesburg Opportunity Award.** This is an institutional award worth up to \$6,000 per academic year. It is awarded to students who exhibit academic promise within the University’s application process. It cannot be combined with Achievement Awards listed below. If the student is enrolled in the 3/2 Engineering program, the award will not transfer to the other institution for the final years of the program. If the student is enrolled in the 3/1 Marine Biology program, it may be used toward payment at the other institution (fourth year only) based on the availability of institutional funds. The student should notify the Financial Aid Office by April 1 of the junior year of their intent to finish the Marine Biology program at another contracted institution.

**Waynesburg University Grant.** This is an institutional grant consisting of funds from the University and other private sources. The grant is awarded by the Financial Aid Office to students who merit additional financial assistance. The amount of the grant depends on the student’s financial need and available funding levels.

**Yellow Jacket Award.** This is an institutional grant consisting of funds from the University and other private sources. This grant is awarded by the Financial Aid Office to needy students, normally in response to a financial aid appeal for additional funding. Amount of award varies depending on the student’s circumstances and available funding levels.

**Sibling Grant.** This grant is awarded to each full-time, undergraduate, traditional student who has a sibling enrolled as a full-time, undergraduate, traditional student concurrently at the University. The amount is \$500 to each enrolled student per academic year.

**Federal Work Study (FWS).** This program is supported by federal and institutional funds and provides employment opportunities to eligible students. Eligibility for participation in the program is determined by the student’s FAFSA results. Students are eligible to apply for on and off-campus employment opportunities, with the work schedule determined by the amount of the award, the student’s schedule, their availability and their supervisor’s determination. Students are normally paid the federal minimum wage rate. Additional information (including the application process/requirements) is available in the Career Services and Placement Office of Waynesburg University.

## VERIFICATION PROCESS

The United States Department of Education (USDE) and Waynesburg University reserves the right to select your Free Application for Federal Student Aid (FAFSA) for a review process referred to as “verification.” If your

application is selected, you are required to submit to the Financial Aid Department certain documentation, for example: copies of the student's and, if dependent, the parents' federal tax returns or transcripts; documentation of untaxed income or benefits; documentation of assets or investments; a completed "Federal Verification Worksheet," which can be found at <http://www.waynesburg.edu/financial-aid/financial-aid-forms>. If your application is selected for verification, you will be notified by the Financial Aid Department via either an Aid Letter or a Document Tracking Letter of the required documents necessary to complete the process. The University is required to complete this process prior to finalizing aid, certifying student loans or disbursing aid funds to a student's account. Failure to complete the verification process within fourteen days of the initial request may result in the cancellation of aid and the possible termination of enrollment. If corrections are necessary, the Financial Aid Office will make them to your FAFSA. If an overpayment is due, we will notify you of the steps necessary to complete this process.

## SUMMER FINANCIAL AID

Financial aid may be available for students who attempt credits during the summer sessions at the University. Undergraduate students are asked to complete the "Summer Undergraduate Financial Aid Form" at <http://www.waynesburg.edu/financial-aid/financial-aid-forms>. Graduate students are asked to complete the "Summer GPS Financial Aid Form" at <http://www.waynesburg.edu/graduate/graduate-financial-aid>. These forms along with the Free Application for Federal Student Aid (FAFSA) must be submitted to the Financial Aid Office in a timely fashion. Applications must be enrolled on at least a half-time basis (normally 6 credits or more within the semester) and the aid is usually limited to either a Federal Pell Grant, a Federal Direct Student Loan, a Federal Direct PLUS Loan, Federal Direct Grad PLUS Loan and/or an Alternative/Private Loan. Students who have borrowed the maximum Federal Direct Loan during the preceding fall and spring semesters are not eligible for a summer Federal Direct Loan. Please note: Waynesburg University scholarships and/or grants also are not available during the summer semester. For additional information, see [www.waynesburg.edu](http://www.waynesburg.edu) or contact the Financial Aid Office at 724-852-3208 or [finaid@waynesburg.edu](mailto:finaid@waynesburg.edu).

## FEDERAL LOAN PROGRAMS

**Federal Direct Stafford Loan (Subsidized).**\*\* This is a federal loan program with loan amounts determined by demonstrated financial need and annual or aggregate loan limits. The maximum subsidized Federal Direct Loan is \$3,500 for first year students, \$4,500 for second year students, \$5,500 for third year students, and \$5,500 for fourth year students. Entrance Counseling and a completed Master Promissory Note (MPN) are required for all first-time borrowers. These are to be completed at [www.studentaid.gov](http://www.studentaid.gov).

Loan repayment of principal normally begins six months after the student graduates, leaves the University or drops below half-time enrollment. Loans are normally repaid within ten years but other loan repayment options are available.

**Federal Direct Stafford Loan (Unsubsidized).**\*\* This federal loan program is determined by the student's estimated Cost of Attendance (COA) minus their estimated financial aid. The amount is determined by grade level and annual or aggregate loan limits. Entrance Counseling and a complete Direct Loan MPN are required from all first-time borrowers. These are to be completed at [www.studentaid.gov](http://www.studentaid.gov).

Loan repayment of principal normally begins six months after the student graduates, leaves the University or drops below half-time enrollment. Interest payments are the responsibility of the borrower but can be deferred while the student is enrolled in school. For additional information, please contact the assigned Federal Loan Servicer.

- \*\* Any student receiving either a subsidized and/or unsubsidized Direct Loan must complete an Entrance Counseling session which will review the important guidelines and requirements about these federal loan programs. This must be completed before the funds can be disbursed. Students must also complete Federal Loan Exit Counseling after withdrawing, graduating, or dropping below half-time enrollment. This should be completed at [www.studentaid.gov](http://www.studentaid.gov).

**Federal Direct Parent Loan for Undergraduate Students (PLUS).** This federal loan program enables parents of dependent, undergraduate students the ability to borrow loan funds up to the institution's Cost of Attendance (COA) minus any other financial aid or expected aid. Principal and interest payments normally begin 60 days after the loan is disbursed. The loan approval is based on a credit analysis of the parent(s) which is determined by the USDE. A PLUS MPN and credit check is required from the borrowing parent and must be completed at [www.studentaid.gov](http://www.studentaid.gov).



**Federal Nursing Loan.** This is a federal loan program with awards varying depending on a student's financial need and grade level. Loan funds are usually available to second, third, or fourth year nursing students who demonstrate exceptional financial need. This loan has a 5% interest rate and must be repaid over a ten-year period beginning nine months after graduation or the termination of at least half-time enrollment status in the Nursing program. If awarded, a promissory note must be completed through the University's Business Office before the loan funds can be disbursed to the student's account.

## VETERANS BENEFITS

Waynesburg University is honored to welcome veterans and/or their family members into our campus community. Any student interested in using veterans' benefits should verify their eligibility with the Veterans Administration.

The University's certifying official for veterans' education benefits is the University Registrar, Vicki Wilson. If you have questions, or need assistance, please feel free to contact Vicki at [vwilson@waynesburg.edu](mailto:vwilson@waynesburg.edu) or 724-852-3375.

### YELLOW RIBBON PROGRAM

The Yellow Ribbon GI Education Enhancement Program is a provision of the Post-9/11 Veterans Educational Assistance Act of 2008. If eligible for the Post-9/11 GI Bill, the Certificate of Eligibility will also advise the student if his or her service meets the requirements for participation in the Yellow Ribbon Program. If so, additional aid funds may be available under this program. Only individuals entitled to the maximum benefit rate (based on service requirements) may receive this funding. Therefore, you may be eligible if:

- You served an aggregate period of active duty after September 10, 2001, of at least 36 months;
- You were honorably discharged from active duty for a service connected disability and you served 30 continuous days after September 10, 2001;
- You are a dependent eligible for Transfer of Entitlement under the Post-9/11 GI Bill based on a veteran's service under the eligibility criteria listed above.

For additional information contact the Registrar's Office.

## ACHIEVEMENT AWARDS

The following scholarships are awarded to new students enrolling in August 2021 as first-time freshmen and who have graduated from high school in 2021 and are based upon academic achievement through a combination of the student's cumulative weighted high school GPA and standardized test scores of either the SAT or ACT. \* The SAT score that is used to issue each scholarship is based on the math and evidence-based reading and writing scores combined. In order to qualify for an Achievement Award, the student must be enrolled in a college preparatory curriculum. Waynesburg University reserves the right to recalculate grade point averages based on college preparatory curriculum. Students who are conditionally admitted to Waynesburg University are not eligible for these scholarships. For exact GPA and standardized test scores that are needed for each award contact the Office of Admissions at 800-225-7393 or [admissions@waynesburg.edu](mailto:admissions@waynesburg.edu).

Each scholarship is awarded for eight consecutive semesters on Waynesburg University's main campus from the initial term for which the student has applied excluding summer school. Each scholarship amount is contingent upon housing residency status. Students who do NOT reside in University housing will receive a reduced award as indicated in the chart below (see Non-Resident Amount). Award amounts listed are annual amounts. Award amounts will be adjusted according to the chart below if a student's residency status changes after initial enrollment. Award amounts will be pro-rated if the residency status change is shorter than an academic year. The pro-ration amount will be determined by the percentage of the year that the student completes as a resident/non-resident student and in accordance with the institutional policy related to Room Charges and Meal Plan. Scholarships are renewable as long as the student remains in good academic standing with the University. Athletic participation or ability is not considered in the awarding of scholarships and other financial aid.

If the student is enrolled in the 3/2 Engineering program, the award will not transfer to the other institution for the final years. If the student is enrolled in the 3/1 Marine Biology program, up to 50% of the annual award may be used toward payment at the other institution (fourth year only) based on the availability of institutional funds. The student should notify the Financial Aid Office by April 1 of the junior year of their intent to finish the Marine Biology program at another contracted institution.

Scholarship Name	Non-Resident Amount	Resident Amount
A.B. Miller Scholarship	\$12,000	\$16,000
Presidential Honor Scholarship	\$10,000	\$14,000
Waynesburg Honor Scholarship	\$8,000	\$12,000
University Scholarship	\$5,000	\$9,000

*\*Due to the COVID-19 pandemic, many applicants were unable to access the SAT/ACT. Those applicants were reviewed for an achievement award for the 2021-2022 academic year without SAT/ACT scores.*

## COMPETITIVE MERIT SCHOLARSHIP PROGRAMS

The following scholarships are awarded to new students enrolling in August 2021 as first-time freshmen and who have graduated from high school in 2021. Students who are conditionally admitted to Waynesburg University are not eligible for these scholarships. Students applying for the scholarships below must complete the Competitive Merit Scholarship Application prior to the application deadline. Recipients of each award must interview with the Scholarship Committee.

**Founders Scholarship** - Each year, three Pennsylvania high school students will be selected to receive a four-year scholarship while attending Waynesburg University, which pays tuition and fees. To be eligible, students must have at least a 3.50 cumulative grade point average, be a first-year student admitted to Waynesburg University for the upcoming fall semester (2021-2022), a resident of Pennsylvania and intend to reside on campus the entire duration of their undergraduate enrollment. A separate application and interview are required for consideration.

**Stover Christian Life Scholarship** - Each year, up to four incoming freshmen will be selected to receive the Stover Christian Life Scholarship. The scholarship recognizes students that have a growing relationship with Jesus Christ and that they are involved in the life of a local church as they grow in faith. The Stover Christian Life Scholarship is \$1,000 per year. To be eligible, students must be an accepted first-year student at Waynesburg University, GPA of at least 3.25 to qualify, complete the scholarship application, including one letter of recommendation from a pastor or staff member from within their church. The scholarship is renewable annually for up to four years of full-time undergraduate enrollment as students display active participation in leadership roles on campus and as they use their gifts and leadership abilities to impact the local church, consistent participation in the provided mentorship and learning opportunities and maintaining a GPA of 3.00 at the end of each academic year.

**Stover Scholarship** - Stover Scholarships in Constitutional Studies and Moral Leadership are granted to distinguished incoming students who have a passionate interest in creatively transforming the ethical state of the *polis*, bringing insights from the U.S. Constitution's Founding Era and Christianity to bear in the contemporary public square. The program includes classes, discussions, lectures, and real-world experiences designed to develop leaders who will positively impact the direction of American politics and law. Stover Scholars receive a scholarship of \$5,000 per year to apply toward tuition, up to an additional \$500 to offset the cost of conferences, and up to \$1,000 to defray the cost of an internship. Successful applicants have a demonstrated interest in framing society's ethical, legal, and economic debates, a minimum 3.50 cumulative GPA, commensurately high SAT or ACT scores, and conceptual leadership experience. Stover Scholars are required to take certain specified courses, actively participate in regular luncheons and discussions, scheduled activities and trips, and maintain a cumulative university GPA of 3.00. For a more complete description of all policies and procedures in the Stover Scholars program, please refer to the current Stover Scholars' Program Guide.

**Waynesburg University Bonner Scholars Program** - This program is supported by the Corella and Bertram F. Bonner Foundation, Inc., a national philanthropic organization based in Princeton, New Jersey. Waynesburg Bonner Scholarships are annual awards of \$3,000 - \$4,500, renewable for four consecutive years, based on the fulfillment of

program requirements. Students who are selected for the program will receive several forms of financial assistance, including grants. Bonner Scholars are expected to participate in community service for an average of ten hours a week during the academic year, participate in a service program two summers for a minimum of seven weeks, and participate in the enrichment and orientation activities of the program. Waynesburg University Bonner Scholarships are awarded to students who meet specific academic and financial need criteria and who have demonstrated commitment to community service. Fifteen students are selected for this award annually.

## ADDITIONAL SCHOLARSHIPS

The following additional scholarships are awarded to new students enrolling in Fall 2021. These scholarships are awarded to eligible students identified through the admissions application process. Students who are conditionally admitted to Waynesburg University are not eligible for these scholarships.

**Dr. Charles Bryner Scholarship** - This scholarship is provided for students studying for health-related professions. Students must have a minimum cumulative grade point average of 3.00 in high school and an SAT of 1000 or ACT of 21. The students chosen must maintain a cumulative GPA of at least a 3.00 at Waynesburg University and continue in a health-related major to keep the award for four years. The scholarship ranges between \$1,000-\$3,500 per year and is offered to a maximum of two students.

**Hugh O'Brian Scholarship** - This scholarship is awarded to one Hugh O'Brian Scholar. The student must have a cumulative high school grade point average of 3.00 and be in the top 20% of his or her high school graduating class. If numerous students meet the aforementioned criteria, the Admissions Committee will choose the recipient based on scheduled interviews. The award is in the amount of \$2,000 per academic year as long as the student maintains a cumulative grade point average of 3.00 for a total of four years.

**Leadership Scholarship** – This scholarship is awarded to select matriculating students who exhibit leadership qualities through the application process and is worth up to \$2,500 per year (dependent on funding levels) each of their four consecutive years at Waynesburg University provided they remain in good academic standing with the University.

**Pennsylvania Governor's Conference for Women Scholarship Program** - This scholarship of \$2,500 is awarded to one female student that is a resident of Pennsylvania who has demonstrated financial need, a commitment to community service and who has a 3.00 cumulative high school GPA.

**Scout Scholarship** - This scholarship is awarded to matriculating students who are Eagle Scouts, Gold Award recipients, or Venturing Summit Award. Students will receive \$500 per year each of their four consecutive years at Waynesburg University provided they maintain a cumulative 3.00 GPA.

**State Scholarship** - This scholarship is awarded to students matriculating in Fall 2021 whose permanent residence is outside the state of Pennsylvania and who qualify for an Achievement Award. Students will receive \$3,000 per year each of their four consecutive years at Waynesburg University. If the student is enrolled in the 3/2 Engineering program, the award will not transfer to the other institution for the final years. If the student is enrolled in the 3/1 Marine Biology program, up to 50% of the annual award may be used toward payment at the other institution (fourth year only) based on the availability of institutional funds. The student should notify the Financial Aid Office by April 1 of the junior year of their intent to finish the Marine Biology program at another contracted institution.

**University Impact Award** – This scholarship is awarded to select matriculating students who exemplify the three pillars of the University; faith, learning and serving. This award is up to \$3,000 per year each of their four consecutive years at Waynesburg University provided they remain in good academic standing with the University.

## TRANSFER SCHOLARSHIPS

The following scholarships are awarded to new students enrolling in August 2021 as a transfer student based on specific academic credentials and total college credits attempted. Each scholarship amount is contingent upon housing residency status. Students applying for Online Degree Completion, LPN-BSN, RN-BSN, and Second Degree in Nursing programs, or if they have completed a Bachelor's Degree, are excluded from being considered for these scholarships. Scholarships are renewable for up to four consecutive years (eight semesters) as long as the student remains in good academic standing with the University.

Students who do NOT reside in University housing will receive a reduced award as indicated in the description below (see Non-Resident Amount). Award amounts listed are annual amounts. Award amounts will be adjusted if a student's residency status changes after initial enrollment. Award amounts will be pro-rated if the residency status

change is shorter than an academic year. The pro-ration amount will be determined by the percentage of the year that the student completes as a resident/non-resident student and in accordance with the institutional policy related to Room Charges and Meal Plan. Scholarships are renewable as long as the student remains in good academic standing with the University.

**Waynesburg University Transfer Honor Scholarship (\$6,000 Non-resident-\$10,000 Resident)** - This scholarship is awarded to accepted students who have at least a 3.50 cumulative GPA at their most recent college/university\* (at least 12 credits).

**Waynesburg University Transfer Scholarship (\$4,000 Non-resident-\$8,000 Resident)** - This scholarship is awarded to accepted students who have between a 3.00 and 3.49 cumulative GPA at their most recent college/university (at least 12 credits).

**Community College Impact Award (\$2,500)** - This scholarship is awarded to accepted transfer students in Fall 2021 who were most recently enrolled at a community college full-time.

**State Scholarship** - This scholarship is awarded to students matriculating in Fall 2021 whose permanent residence is outside the state of Pennsylvania and who qualify for a Transfer Scholarship. Students will receive \$3,000 per year up to four consecutive years or when a bachelor degree is obtained (whichever comes first).

## WITHDRAWAL/REMOVAL POLICIES FOR THE BONNER, STOVER CHRISTIAN LIFE AND STOVER SCHOLARSHIP PROGRAMS

These can be obtained from the scholarship program's director.

## UPPERCLASS SCHOLARSHIP AWARDS

See University Student Prizes and Awards, page 56.

# STUDENT SERVICES

Policies and programs contained in this section are effective August 2021. The University reserves the right to change, without notice, any rules, policies, fees, or other matters through official action.

## CAMPUS LIFE

Waynesburg University is a learning community that provides both classroom and co-curricular opportunities for the intellectual, emotional, physical, and spiritual growth and development of students. Students are encouraged to participate in the governance of campus affairs, the planning and implementation of campus activities, and service opportunities on and off campus.

The Student Services staff stands ready as a resource to assist students in the transition to college life and with everyday concerns that arise in the course of the academic year. The Student Services staff is committed to the development of an educationally meaningful environment, providing help in the resolution of problems, maintaining the standards of the campus community, and lending expertise in the development of programs and services that benefit student life.

## CHRISTIAN LIFE

As a Christian institution of higher education, Waynesburg University offers programs and services consistent with that mission. The policies that have been established reflect the commitment of the University to its Christian identity and educational purposes. It is expected that students who enroll in Waynesburg University are aware of this mission and these goals. This commitment has implications for student behavior and participation in the community life of Waynesburg University.

Chapel is held on a weekly basis. Chapel is a time for the entire college community to gather for worship through song, prayer, and a speaker. The Chapel service is interdenominational in liturgy and style. All members of the campus community are invited to attend.

Our students get involved in many different Christian activities and organizations on campus. One of the most popular is the “Upper Room,” a contemporary-style worship service on Sunday evenings. Students also participate in the Newman Club for Catholic students, the Fellowship of Christian Athletes (FCA), and a wide variety of other activities, ministries, and organizations.

Bible studies are available in each of the residence halls. Any student may find out more information by contacting his or her resident director, one of the Campus Ministry Assistants, or the University Chaplain.

## NEW STUDENT ORIENTATION

Waynesburg University begins its Orientation with a summer Seeds for Success program, which serves as part one in Waynesburg University's orientation process by assisting new students and families with adjusting to life at WU. In addition to preparing students for the transition to college life, this program provides information about resources available for students and their families. An orientation program is held for first-year and transfer students at the beginning of each semester. Students familiarize themselves with University facilities and become acquainted with fellow students and faculty. Individual appointments are arranged with faculty advisors. Students are given opportunities to work on or revise their schedules with the assistance of their faculty advisors. In addition, returning students can apply to become Orientation Leaders and serve as mentors during this adjustment period.

## RESIDENCE LIFE

Waynesburg University requires all students to live on campus for the duration of their time as a student at the University unless they are commuting from their parents' permanent home address or have been approved to live off campus under the Covid-19 Addendum. “Permanent Home Address” means residency at an address for a period not less than 2 years prior to enrollment in the University. This home address must be within 60 miles from campus (70 miles from campus under the Covid-19 Addendum), except in instances where students are participating in remote

education programs from their parents' home. Students who are enrolled for fewer than twelve hours must receive permission to live in a residence hall. Students will not be permitted to remain in a University residence hall if they have stopped attending classes.

Residence hall fees are established on a semester basis. No deductions will be made in room charges for absences from the residence hall. Residence hall fees do not include vacation period, the period between semesters, or when the residence halls will be closed. In some residence halls with additional amenities, a different charge may apply.

Residence hall accommodations are assigned to first-year students on the basis of deposit date, new student form submission date, and indicated preference. Upperclassman students choose their rooms according to a credit-based system administered by Student Services personnel. Student Services publications contain additional information regarding individual residence halls.

At the beginning of each academic year, each resident student is required to review and sign a "Code of Conduct" notification form. A student who is commuting from home must also sign the Code of Conduct and is held responsible for all University policies.

By signing these forms, all students are expected to read and follow University policies. The University reserves the right to inspect rooms at any time. Occupants are held responsible for any damage to the residence hall, rooms or furnishings. In addition, any damage resulting from vandalism in the common areas of the university property (lounges, hallways, bathrooms), will result in assessment of charges to all residents in that area. A damage deposit fee is billed to each resident student during their first semester in the residence halls. Students will be billed annually for damage only when it exceeds the residence hall damage deposit. Upon permanently checking out of the residence hall, each student receives in the mail a refund of the unused balance of the deposit.

All student rooms in the residence halls are furnished with beds, desks, dressers, closets, and mirrors. Resident students are encouraged to keep their rooms locked during all times when they are not present in the room. Personal possessions that will be brought to campus should be chosen with caution. The University will not assume responsibility for loss or damage to personal property of the occupants of residence hall facilities.

Residence halls are smoke-free. Smoking is prohibited in all campus buildings. The use of smokeless tobacco products in campus buildings is also prohibited.

Housing is not provided for graduate students.

## COUNSELING CENTER

The Waynesburg University Counseling Center provides academic, career, and, personal (mental health) counseling.

Academic Counseling focuses on strategies for academic success such as study skills, time management and communication to improve overall academic performance. Counselors provide one-on-one academic coaching in these areas.

Career Counseling is a systematic way to assess gifts, skills values and aptitudes to help students find the career that will be most satisfying and fulfilling. Any student can take advantage of career counseling, either by enrolling in a one-credit course or through individual meetings with a counselor. Counselors serve as advisors for students who have not chosen a major when they enter Waynesburg University, and frequently work with students who have decided to change majors once they are here.

Personal Counseling is provided by licensed professionals. Any issues experienced by students that may interfere with academic success is a relevant issue to bring to the Counseling Center. Some common issues for which students seek guidance include missing family and friends, making the transition to being a new student, and more long-term mental health issues such as depression and anxiety disorders, grief, eating disorders, relationship concerns and much more.

All counseling services are free of charge, and personal counseling is confidential.

## DEPARTMENT OF PUBLIC SAFETY (DOPS)

DOPS is available to investigate all incidents involving criminal activity and University policy violations. DOPS works closely with local law enforcement and state police to ensure the safety and wellbeing of our students, faculty, staff, and administration.

## STUDENT HEALTH AND MEDICAL SERVICES

Student Health Services supervises all personal health problems on campus. Student Health Services is supervised by the University nurse for the treatment of minor problems.

All students attending Waynesburg University are required to complete a Medical History and be up-to-date with all immunizations. In addition, all students are required to have a physical examination by a doctor of their choice prior to matriculation. All completed forms must be returned to Student Health Services.

## FOOD SERVICE

All resident students, except seniors who reside in University-owned houses, are required have a ten, fourteen or nineteen meal-plan. Seniors who reside in University-owned houses are required to have a minimum of a commuter meal plan (five meal plan), but may also select from the ten, fourteen or nineteen meal-plan. Changes in selection of meal plan must be completed in writing on the last business day before the start of classes. No deductions are made for students who eat fewer meals or who are absent on weekends. Meal plan fees do not include vacation periods or the period between semesters during which time the dining hall will be closed. Commuter students have the option of selecting a meal plan. A meal plan is not provided for graduate students.

## AUTOMOBILES AND OTHER VEHICLES

All sophomores, juniors, seniors, and graduate students are permitted to possess and operate a motor vehicle on campus. Certain students living in residence halls may be required to park their vehicle in restricted areas. Freshmen, unless they are commuting from home, are not permitted to possess or operate a motor vehicle on the campus without special permission from the Student Services Office.

All students eligible to use motor vehicles are required to register their vehicle by completing the vehicle registration form located on the myConnect page and displaying a current parking decal. University parking regulations must be observed at all times.

The privilege of operating a motor vehicle may be rescinded by the University if the vehicle is not operated in accordance with the law, or if the operator endangers other students, or disrupts the educational process of the University.

## STUDENT ACTIVITIES

A variety of student activities are offered throughout the week during the academic year. The Student Activities Board (SAB) is responsible for the planning and implementation of activities. This student organization is advised by professional staff members in Student Services and all students are welcome to participate.

Activities are regularly advertised in weekly publications, TV screens located in the Stover Campus Center and Benedum Dining Hall, website calendar ([waynesburg.edu/events](http://waynesburg.edu/events)), and their social media accounts (Instagram-@waynesburgu\_sab, Twitter-@wu\_sab, Snapchat-@wu\_sab, or Facebook-waynesburgusab).

Student organizations provide engagement and leadership opportunities for the student body. All organizations are managed by students and guided by their advisors. Any student interested in forming an organization may contact the Student Services Office to receive an application. A complete list of recognized clubs is available in Student Services.

## SERVICE ACTIVITIES AND SERVICE LEARNING INITIATIVES

Community service is a tradition at Waynesburg University that continues to find expression through the service projects of student organizations and religious groups, as well as scholarship programs such as the Bonners Scholar Program. The service initiatives of these groups are implemented in conjunction with the Center for Service Leadership. The Center promotes and directs service activities occurring both on campus and in the community. Through community service initiatives, students, faculty, and staff are encouraged to become responsible citizens as well as to become part of the solutions to the social problems confronting our society. There are opportunities to participate in both domestic and international service trips during every university break.

Waynesburg University offers a service-learning experience for a one credit hour. This course, which is part of the general requirements for the Waynesburg University baccalaureate degree, provides the student with an opportunity to participate in service with a non-profit organization for a minimum of thirty hours in a semester. Students are expected to reflect upon this experience and consider its implications for their future lives with a faculty mentor. A variable credit option is available to students seeking additional service opportunities. A Service Leadership Minor Program is available for students interested in more active involvement and application of their educational experience.

## CO-CURRICULAR ACTIVITIES

Student activities and organizations are varied and rewarding. They complement the educational objectives of the University. Students are encouraged to develop their leadership skills through participation in co-curricular activities.

In order to participate in co-curricular activities, students must be fulfilling their personal and institutional educational objectives. Minimum standards for grade point average are established as a prerequisite for involvement in co-curricular organizations.

Credit Hours Attempted	Cumulative Grade Point Average
1-18	1.75
19-35	1.85
36-52	1.93
Greater than 52	2.00

Credit hours attempted include all courses for which a student receives a passing/failing grade, “I,” “W,” “WF,” “WP,” or “NG”

Any student who fails to meet these standards and is placed on either “Warning” or “Probation” is not eligible for participation.

Transfer students desiring to participate during their first semester at Waynesburg University must have achieved the same prerequisite grade point average at all previous institutions.

## STUDENT GOVERNMENT

All students who are enrolled as full-time students are members of the Waynesburg University student body. The Student Senate is elected by the student body and is its central representative and legislative organization. Senators are elected from each undergraduate class, and Senate officers are elected from the entire student body.

## MUSICAL ACTIVITIES AND THEATRE

Students who are interested in musical performance can participate in the Lamplighters choir, the Symphonic band and other vocal and instrumental ensembles in the Chamber Works program (listed under MUS 121 and 122). Students must be eligible to participate in co-curricular activities, and they may register for credit, or audit, with the ensemble director’s permission. The groups perform on campus and in surrounding communities, and may take concert tours each semester. Students will be involved in performances at area churches, athletic events, special concerts and festivals with other colleges and universities.

Several theatre productions are sponsored each academic year. Auditions are held for all roles and are open to all students. In addition, there is always room for extra assistance backstage and in preparation of the Goodwin Performing Arts Center for those special events. Students have an opportunity for participation in the fields of acting, stage craft, stage lighting, play direction, theater management, and audience development.



## ATHLETICS AND INTRAMURALS

Waynesburg University is a Division III member of The National Collegiate Athletic Association (NCAA) and competes in the Presidents' Athletic Conference. Waynesburg seeks to comply with the overall philosophy of Division III athletics and its member institutions. Waynesburg encourages participation by fielding varsity teams in men's football, wrestling, and baseball; women's softball, volleyball and lacrosse; and men's and women's golf, basketball, soccer, tennis, track and field, and cross country.

Waynesburg University is committed to a quality collegiate experience for all students and ensures that varsity athletic participants receive the same treatment as do other students. The University gives equal emphasis to men's and women's sports and the desired level of competition is similar in all sports.

Waynesburg University supports varsity athletes by providing them with adequate facilities, competent coaching, and competitive opportunities with students from similar institutions. Athletics are financed and staffed through the same general procedure as other departments of the University.

The Waynesburg University athletic department seeks to enable students to maximize their college experience both academically and athletically, and prepare them for a fulfilling career and life after graduation.

A student must be enrolled full-time to be eligible for athletic participation. A student enrolled in the last term of a degree program, who is registered for at least one credit necessary to complete degree requirements, might also be eligible for athletic participation. A student must also meet the grade point average described in the Co-Curricular Activities section, and be making Satisfactory Academic Progress defined by the Standards of Academic Progress Policy. Any student who fails to meet these standards and is placed on either "Warning" or "Probation" is not eligible for participation.

Additionally, any participation by a student in intercollegiate athletics must also be in compliance with all NCAA and President's Athletic Conference regulations.

Competitive and recreational intramural opportunities exist on the campus throughout the academic year. These recreational opportunities emphasize fun competition and the development of skills for life-long activity. Students with new ideas for recreational activities may contact the Director of Intramural Programs.

## STUDENT MEDIA BOARD

Waynesburg University encourages students to pursue opportunities outside of the classroom that support and enhance their educational experiences.

Waynesburg University students publish an award-winning newspaper, The Yellow Jacket; a literary magazine of student work, Muse & Stone; and a University yearbook, The Mad Anthony. In addition to the student publications, students can participate with WCYJ-FM, a student-operated radio station, and WCTV, an award-winning student-operated community broadcast operation.

Staff positions for all media organizations are open to interested students regardless of major field of study. Selections for management positions are completed through a thorough interview process by the Student Media Board on an annual basis.

## DEPARTMENTAL HONORARY/PROFESSIONAL SOCIETIES

**Alpha Phi Sigma** is a national criminal justice honorary whose purpose is the recognition of scholarly achievement in the field of criminal justice.

**Alpha Psi Omega** is a national honorary dramatic fraternity which confers membership on those students who have demonstrated deep interest in the dramatic arts through their work in both the production and acting areas. Qualification for membership is based on accumulation of 50 production credit points earned in both acting and theatre craft fields.

**American Chemical Society Affiliate** is an organization that provides an opportunity for students in chemistry and related disciplines to become better acquainted, to foster a professional spirit among members, to instill a professional pride in chemistry and chemical engineering, and to foster an awareness of the responsibilities and challenge of the modern chemist. Membership is open to any student working toward a baccalaureate degree in chemistry, chemical engineering, or related disciplines.

**Gamma Sigma Epsilon** is a national chemistry honor society and was created to promote academic excellence and undergraduate research scholarship in chemistry. Any student pursuing a science major is eligible for membership who successfully completes at least 18 credits of chemistry coursework and has maintained a cumulative 3.00 grade point average.

**Health Science Student Association** is an association that promotes the advancement, encouragement, and improvement of the health science profession in all its phases specific to Waynesburg University. Its objective is to promote a better working relationship among those persons interested in the problems of athletic training, to develop further the ability of each of its members. To better serve the interest of its members by providing a means for a free exchange of ideas within the profession, and to enable members to become better acquainted personally through casual good fellowship.

**Kappa Delta Pi** is an international honor society in education. Education majors who have completed their freshman year and who have a minimum cumulative grade point average of 3.50 are eligible for membership.

**Kappa Mu Epsilon** is a national honorary mathematics society. To be eligible for membership in the Pennsylvania Gamma Chapter, a student must complete nine semester hours in mathematics, including calculus, with a grade point average of 3.00, and must rank in the upper 35 percent of his or her college class. The object of the society is to foster lasting appreciation of mathematics and its role in society.

**Lambda Pi Eta** is the honor society of the National Communication Association. The primary goal of Lambda Pi Eta is to encourage excellence in scholarship and service within the field of communication. To be eligible for membership in Lambda Pi Eta, students must have completed a minimum of 60 credit hours with at least 12 credit hours in Communication courses. They also must have achieved a minimum cumulative 3.25 GPA and (maintain a major or minor program in the Department of Communication) a 3.50 GPA in Communications courses.

**Phi Alpha Theta** is a national honorary history fraternity, whose Upsilon chapter is located on the Waynesburg University campus. The object of the fraternity is to foster interest in history and historical research and to recognize attainment in this field. Those who have completed twelve semester hours in history with a B average and stand in the top third of their class are eligible for membership.

**Pi Gamma Mu** is the international social science honorary. Its purpose is to improve scholarship in the social studies, inspire social service by an intelligent approach to the solution of social problems, and to engender better understanding of others. Waynesburg University juniors and seniors, who have taken twenty hours of social science courses, who have maintained a 3.00 average in those courses, and who are in the upper 35 percent of their college class, qualify for membership.

**Psi Chi** is the national honor society of the science, academic discipline, and profession of psychology. The Waynesburg University Chapter is active in conducting seminars, field trips, research and other activities around a variety of themes in psychology. The completion of twelve semester hours in psychology with a 3.00 average, and a 2.75 overall average is required for membership.

**Sigma Beta Delta.** Membership in Sigma Beta Delta is the highest national recognition a business student can receive at a college or university. To be eligible for membership, an upper-class business student must rank in the upper 20 percent of his/her class and be invited to membership by the faculty officers. The purpose of Sigma Beta Delta is to encourage and recognize scholarship and achievement among students of business, management and administration, and to encourage and promote personal and professional improvement and a life distinguished by honorable service to humankind.

**Sigma Tau Delta** is the English honorary society promoting the mastery of written expression and fostering a spirit of fellowship among men and women specializing in English. Students who have completed 18 semester hours of English and maintain a 3.00 in English and a 3.00 overall academic average are named to the Honorary. The English Honorary Society holds a yearly poetry and short fiction writing contest, publishes a literary magazine, *Muse and Stone*, and sponsors poetry reading and other cultural affairs.

**Sigma Theta Tau** is the international honor society for nurses. The Nu Sigma Chapter at Waynesburg University was established on April 7, 1994. The purposes of this honor society are to recognize superior achievement, recognize the development of leadership qualities, foster high professional standards, encourage creative work, and strengthen commitment to ideals and purposes of the profession. Membership is by invitation only.

**The Student Nurses Association of Pennsylvania (SNAP)** is the state pre-professional organization of NSNA (National Student Nurses' Association) for the Commonwealth of Pennsylvania. It provides an opportunity for advancement of nursing as a profession and self-growth within that profession. Participation at the local, state, and

national level enhances leadership and organizational skills as well as increasing student awareness of current events and issues affecting the future of the complex field of professional nursing.

**The Student Pennsylvania State Education Association (PSEA)** is pre-professional organization for education majors who are interested in achieving leadership opportunities, professional growth and personal growth. Members of the organization are eligible for a number of seminars dealing with education that are applied towards job credentials, student teaching liability protection, scholarships, internships, the annual fall workshop, and the spring convention. This organization is affiliated with the National Education Association.

## COMMUNITY LIFE POLICIES

The University admits students with the expectation that they will comply with its rules and regulations and conduct themselves in an appropriate manner. Rules are considered necessary for the promotion of the highest welfare of the University community and the advancement of its academic purposes.

University regulations are specifically listed in the Student Code of Conduct and other Student Services publications. All students are expected to know these regulations and to comply with them. A student is held responsible for any breach of respectable conduct, whether or not expressly stated in University publications. Some selected policies from the Code of Conduct are addressed below. The complete publication is available on the University portal (myConnect).

## STATE LAWS

Students are expected to abide by the laws and ordinances of the Commonwealth of Pennsylvania, the Borough of Waynesburg, and the local community. Students who are charged under or convicted of violations of civil or criminal law may be subject to University disciplinary procedures and sanctions for the same offense when the misconduct occurs on campus, or when it occurs off campus, but has an adverse effect upon the University and its educational task. The University's disciplinary authority is administrative in nature and purpose, and completely independent of civil or criminal proceedings in the courts of Pennsylvania.

## ALCOHOL AND OTHER DRUGS POLICY

In accordance with State and Federal laws, Waynesburg University prohibits the illegal possession, use or sale of drugs or controlled substances. Suspicion and conviction of any students involved in such activities will result in immediate action. Such disciplinary action includes the possibility of suspension, dismissal, or expulsion. The possession and use of illegal drugs or drug paraphernalia by members of the University is contrary to the academic purposes of the University and will result in disciplinary action.

Pennsylvania State Law also prohibits persons under twenty-one years of age from the purchase, consumption, or possession of intoxicating beverages. Waynesburg University prohibits the possession or use of alcoholic beverages or containers on University property regardless of age. The use of University funds for the purchase of alcoholic beverages is prohibited. Violations of these regulations will result in confiscation of the alcohol and/or container and disciplinary action. Stronger sanctions will be applied for repeated offenses.

The University reserves the right to take disciplinary action, as well as require education sessions and/or assessment counseling for any student who demonstrates the effects of alcohol/drug use in his or her social interaction or academic accomplishment. In such referrals, the student is required to follow the recommendations as determined by the assessment procedure. A more elaborate description of this program may be obtained from the Student Services Office in the Stover Campus Center.

In addition, the University will not tolerate organizations or individuals who seek to promote the sale or use of alcoholic beverages. This applies to both public events and individual rooms.

A student who has been convicted of any offense under any Federal or State law involving the possession or sale of a controlled substance shall not be eligible to receive any grant, loan or work assistance for a period of time (as defined in the Student Code of Conduct).

## VISITATION AND ESCORT POLICY

All residence halls are locked 24 hours a day. Resident students gain access to their residence hall with the ID card. Students may have guests of the opposite sex visit in their rooms between 11:00 a.m. and midnight, Sunday through Thursday, and from 11:00 a.m. until 2:00 a.m. on Friday and Saturday. Violations may result in fines and potential loss of visitation privileges.

Resident students are responsible for the behavior of their guests and their compliance with all University policies. Guests of the opposite sex may visit residents during the stated visitation hours. However, they must be escorted at all times by a resident of the building. This escort policy is in effect for all private areas, including rooms, hallways, stairwells, kitchens, and laundry rooms. Students and guests are allowed to be in the public areas without an escort during regular visitation hours. Public areas are the lounges and lobby of each residence hall. Failure to observe this policy will result in disciplinary action for the resident and guest if he or she is a student of the University.

## UNIVERSITY NON-DISCRIMINATION/ANTI-HARASSMENT POLICY

It is the policy of Waynesburg University to make decisions in student admission, employment and administration of its educational programs and activities without regard to race, color, sex, national or ethnic origin, religion, age or disability. The University condemns discrimination and harassment of any kind and prohibits behavior or practices which could be regarded as such. To help ensure an environment free from discrimination and harassment, all members of the University community are responsible for reporting incidents of discrimination or harassment of any kind.

The University prohibits retaliation against any individual who complains (or assists in proving information about a complaint) of a violation of the Non-Discrimination/Anti-Harassment Policy. Thomas Helmick, the Director of Human Resources, is the University's Affirmative Action Officer, the Title IX Coordinator and the designed coordinator for overseeing compliance with this Non-Discrimination/Anti-Harassment Policy. He may be contacted at [thelmick@waynesburg.edu](mailto:thelmick@waynesburg.edu) or 724-852-3210. A more elaborate description of this program may be obtained from the Student Services Office in the Stover Campus Center.

Waynesburg University affirms its commitment to creating and maintaining an academic environment dedicated to learning and research, in which individuals are free of discrimination and harassment from colleagues, faculty, staff or students. Sexual harassment shall consist of unsolicited and unwelcome sexual advances, requests for sexual favors, and/or inappropriate physical, verbal or written conduct of sexual nature. The existence of a prior relationship, and/or of prior sexual contact, does not constitute mutual consent. If a student engages in any form of sexual activity outside of a clearly intended mutual consent context, that student may be charged with sexual assault or rape and hence subject to potential criminal prosecution and possible expulsion from the University. Racial harassment is defined as subjecting an individual or group of people to verbal or physical abuse on the basis of race.

The University administration reserves the right to exclude from the campus any student whose actions jeopardize the safety of the University community. A student also may be excluded from the University for not complying with the authority of those responsible for the order of the University.

## AIDS POLICY

As advised by the American College Health Association, Waynesburg University maintains a policy of dealing with individual cases as they arise. It is the University's concern to ensure a safe, healthy, and productive environment for all its students, faculty and staff. Educational programming for the whole campus becomes part of the services of Student Health Services and the Student Services Office.

## FAMILY EDUCATION RIGHTS AND PRIVACY ACT

In compliance with the Family Education Rights and Privacy Act of 1974 (Buckley Amendment) Waynesburg University seeks to protect the privacy of students with regard to educational records maintained by the University, and to provide students with access to records directly related to them. Any student desiring to know which educational records are maintained in particular offices may inquire at the Student Services Office in the Stover Campus Center. Educational records of dependent students may be permitted to be released to parents or guardians. Students may also

release access to their educational records to other designated persons. Directory information is considered public and will be released at the University's discretion. Students may request that such directory information not be released. Further details on Educational Records policies may be obtained from the Registrar's Office.

## DISABILITY SERVICES

Students with disabilities who believe that they may need accommodations are encouraged to contact the Disability Services Office at 724-852-7727 or [alexa.baily@waynesburg.edu](mailto:alexa.baily@waynesburg.edu). Students are encouraged to contact the office as soon as possible to better ensure a timely review of their request.

# ACADEMIC STRUCTURE

## Academic Affairs

Dana Cook Baer, J.D., Provost

Dr. Marie Lechlitter-Krause, Assistant Provost of Academic Affairs and Institutional Effectiveness

## Registrar (Matters related to grades, schedule, academic standards)

Vicki M. Wilson

## Eberly Library

Rea A. Redd, Director, Librarian IV

## Graduate and Professional Studies

Dr. David M. Mariner, Dean of Graduate and Professional Studies

Dr. James M. Hepburn, Director of Graduate Programs in Counseling (MA, PhD)

Dr. Lina B. Hixson, Director of the MSN and RN/BSN Programs (BSN, MSN, MSN/MBA)

Dr. Gordon W. McClung, Director of Graduate Programs in Business Administration (MBA)

Dr. Andrew S. Palko, Athletic Training Program Director (MSAT)

Dr. Carol Patton, Director of the DNP Program

James A. Tanda, Director of Graduate Criminal Investigation (MA)

Yvonne Beverina Weaver, Interim Director of Graduate Programs in Education (MAT, MED)

## Academic Departments

Biology, Environmental Science, and Health Science

Dr. Christopher A. Cink, Chair

Dr. Bryan R. Hamilton, Pre-Dental, -Medical, -Veterinary, -Pharmacy Advisor

Dr. Andrew S. Palko, Pre-Physical Therapy Advisor

Business Administration

Dr. Gordon W. McClung, Chair

Chemistry and Forensic Science

Dr. Evonne A. Baldauff, Chair and Engineering Liaison Officer

Communication

Richard L. Krause, Chair

Criminal Justice and Social Sciences

Adam E. Jack, Chair

Dr. Lawrence M. Stratton Jr., Pre-Law Advisor

Education

Dr. Kelley Solomon, Chair

English and Foreign Languages

Jill Moyer Sunday, Chair

Exploring (Major Decision Program)

Jane S. Owen, Director, Educational Enrichment Program

Brian L. Carr, Director of Pathways Center

Fine Arts

Andrew N. Heisey, Chair

Interdisciplinary Studies

Brian L. Carr, Advisor

Humanities

Dr. Karen Fisher Younger, Chair

Mathematics, Computer Science, and Physics

Dr. Richard A. Leipold, Co-Chair

Dr. James R. Bush, Co-Chair and Engineering Liaison Officer

Nursing

Dr. Kathy A. Stolfer, Chair and Director, Department of Nursing

# ACADEMIC PROCEDURES

Academic procedures and policies contained in this section may be changed through official action. These procedures and policies were effective August 2021.

## REGISTRATION REGULATIONS

During the regular academic year, the minimum course load for a full-time student each semester is twelve semester hours. A normal student program may range from twelve to eighteen semester hours.

Students with a 3.00 cumulative grade point average, or those who can demonstrate a need to do so, may take more than 18 hours with permission of their advisor and the Registrar. Students who wish to enroll for more than 20 hours must obtain the permission of Academic Affairs. Consult the section of this catalog on college expenses concerning the fee for hours in excess of 18. Registration regulations are available in the Registrar's Office.

## CHANGE OF REGISTRATION

The student who is advised to make changes in his or her schedule after registration can make adjustments through their Self-Service account. Otherwise, they can secure from the Office of Records and Registration a Drop/Add Form which must be signed by the faculty advisor. (For specific dates, see the Academic Calendar.) Any student who stops attending a course without filing a Drop/Add Form receives a failure (F) in the course.

After the Late Registration and Drop/Add deadline, a student may withdraw from a course through the tenth week of a regular semester (or its equivalent in a non-semester course). A signed Withdrawal Form must be filed in the Registrar's Office. The grade of W will be recorded on the permanent record.

Withdrawal from a course after the tenth week of a regular semester (or its equivalent in a non-semester course) will be reserved for extenuating circumstances (e.g., death of an immediate family member, serious injury, extended illness or other extraordinary circumstances that prevented the student from attending classes and successfully completing the coursework) and must be approved by the department chair of the respective course. If approved, the course will be assigned a grade of WP (Withdrew Passing) or WF (Withdrew Failing). In the event a grade of WF is awarded, the student must submit, no later than the last day of classes, a written petition for permission to withdraw to the Academic Affairs Office. If permission is granted, a grade of W will be recorded.

Students are not permitted to withdraw from a course during the week of semester examinations.

## CHANGE OF MAJOR

Any student contemplating a change of major is urged to discuss the decision with his or her current advisor and/or department chair. A student changing majors should evaluate, with the help of the department chair or the Director of Pathways Center, progress toward a degree in the new major, and should be fully aware of the impact the change may have on the projected graduation date.

If a student wishes to change the major, he or she should submit, electronically, a Change of Major form available on myConnect. The link for the form can be found on the myConnect homepage under "Academics". During the process an academic advisor, commensurate with the new major, will be assigned. Notifications confirming the change of major will be forwarded accordingly when the process is complete.

## WITHDRAWAL FROM THE UNIVERSITY

A student who desires to withdraw from the University during the semester should contact the Registrar's Office (105 Miller Hall; 724-852-3252; registrar@waynesburg.edu).

Students who withdraw from the University prior to the end of the tenth week of classes will have the grade of W (withdrawal) recorded for each course on their permanent record.

Students who withdraw from the University subsequent to the end of the tenth week of classes will either receive a WP (withdrew while passing the course) or WF (withdrew failing) for the respective courses listed on their permanent record. However, in the event of an illness or other severe hardship beyond the student's control, the student should

submit, no later than the last day of classes, a written petition for permission to withdraw to the Provost. If permission is granted, a grade of W will be recorded. Students are not permitted to withdraw from the University during the week of semester examinations.

Refunds of tuition and fees will be made to students who withdraw voluntarily according to the scale listed in the section of the University catalog entitled Financial Information.

## MEDICAL WITHDRAWAL AND MEDICAL LEAVE OF ABSENCE

When illness, injury, or other disability occurs, a student or guardian may request, or the University may require, a Medical Withdrawal from the University or a Medical Leave of Absence (MLOA). All Medical Withdrawal or MLOA requests are made to the Registrar's Office by completing the appropriate forms. An application for a Medical Withdrawal or MLOA will not be reviewed until the form and any required documentation is submitted with all necessary signatures. All requests are handled on a case-by-case basis. In cases when a student is unable to sign required paperwork for Medical Withdrawal or MLOA, he or she may be placed on administrative hold until the process can be completed.

The policies for any withdrawal or leave of absence request are available on the University website, Student Right to Know page (<https://www.waynesburg.edu/student-right-know>).

## NON-RETURNING STUDENTS

A student who will not be returning to the University for the following semester is asked to complete a Non-Returning Student Form in the Registrar's Office. Final transcripts will be provided for all students who do not have outstanding financial obligations to the University. For resident students, a dorm damage deposit refund will be determined after the form has been filed and the damage assessment for both individual rooms and corporate areas has been completed.

## CHANGE OF ADDRESS

Each student is required to keep the Registrar as well as the Dean of Student Services informed as to his or her address. In order to make the request, please complete the [Change of Name, Address, or Phone](#) form. The link is also available on the myConnect homepage.

## ATTENDANCE

A student is expected to attend all scheduled class and laboratory periods for which he or she is enrolled. Individual course syllabi may state additional attendance requirements. If it is necessary for a student to be absent from classes, the student should advise the instructor before the absence. In all cases, it is the student's responsibility to make up work missed. Extended absences due to illness or other compelling reasons should be reported by the student to the Office of Student Services, which will inform faculty of the student's absence. Irregular class attendance may be reported, and the student may be asked to seek counseling or guidance in order to facilitate his or her adjustment to college life. If a student has stopped attending classes without approval from Academic Affairs, the student may be required to leave the residence hall and/or withdraw from the University.

## EXPLANATION OF SEMESTER HOURS, GRADES OF SCHOLARSHIP, AND GRADE POINTS

Grade		Grade Points per Semester Hour
A	(Excellent)	4.00
A-	(Excellent)	3.70



B+	(Above Average)	3.30
B	(Above Average)	3.00
B-	(Above Average)	2.70
C+	(Average)	2.30
C	(Average)	2.00
C-	(Below Average, Passing)	1.70
D+	(Below Average, Passing)	1.30
D	(Below Average, Passing)	1.00
D-	(Below Average, Passing)	0.70
F	(Failure)	0.00
I	(Incomplete)	0.00
IM	(Incomplete Medical)	0.00
W	(Withdrew)	0.00
WF	(Withdrew Failing)	0.00
WM	(Withdrawal Medical)	0.00
WP	(Withdrew Passing)	0.00
NG	(No Grade)	0.00
P	(Passing)	0.00
AU	(Audit)	0.00
AUNS	(Audit – Not Satisfied)	0.00
AUS	(Audit – Satisfied)	0.00
TR	(Transfer)	0.00

These grades and definitions are established as the institutional standard. Specific programs may require grades and grade point averages above a C (2.00) for admission and progression.

**Semester Hours** — A semester hour is defined as one class hour a week throughout a semester; two or three hours of laboratory or clinical work a week may be required for one semester hour of credit. As a rule, a student should expect to spend two hours in preparation for each meeting of a class.

**Incomplete** — The mark, I, is given if the work of the course is satisfactory but not completed and may be removed by completing the unfinished work. Under no consideration, however, is the mark, I, given to a student whose work has been below the passing grade D-. Such student is given the grade F. Incompletes are not given except in the case of extenuating circumstances (such as serious illness or death in the family).

The student is responsible for filing a Request for Incomplete Grade form available through the Registrar's Office. An incomplete must be made up in the first six weeks of the semester following the one in which the work reported incomplete is taken. An incomplete not made up will be converted to F automatically unless an extension is approved by the respective faculty members and notification provided to the Registrar.

Faculty members may grant an extension through the last day of final examinations. If an additional extension is sought by the student and faculty member, the Department Chair and/or the Provost is authorized to grant the extension if circumstances are determined to merit a special accommodation. Unless an extension is approved by the Department Chair and/or the Provost, the grade of I will be converted to F the semester following the one in which the incomplete is posted. All grades of incomplete not made up will be converted to F.

**Medical Incomplete** — Students receiving a Medical Leave of Absence (MLOA) will receive an “IM” (Incomplete Medical) grade for all credit-bearing courses for the semester the MLOA is approved. A grade of IM will not count as credit hours attempted in determining a student’s program length and pace of completion (see Satisfactory Academic Progress Policy, page 26).

It is the responsibility of the student to address the completion of each course with individual instructors and encouraged, when possible, to do so prior to being granted the MLOA. Courses grade IM must be completed by the conclusion of the semester in which the student returns from the leave. If the coursework is not so made up within the approved time frame, the grade will be changed to a “WM” (Medical Withdrawal) automatically, unless an extension is submitted to the Registrar’s Office by the respective faculty member(s).

**Grade Point Average** — The grade point average is computed by dividing the student’s total grade points by the total semester hours attempted in graded courses. If a course is repeated, only the highest grade is used in calculating the grade point average. A sample computation follows:

	Grade Earned	Semester Hours Attempted	Grade Points Earned
English	A	3	12.0
History	B+	3	9.9
Psychology	C-	3	5.1
Mathematics	D	3	3.0
Science	F	4	0.0
		16	30.0

*Semester Average is 1.88 (30.0/16)*

**Courses Repeated** — A student may take any course for credit if he or she has met the prerequisites for the course and has not already taken the course and received a grade of C or better. When a course is repeated, both the first grade received and the grade earned in the repeated course remain a part of the permanent record; however, only the highest grade is used in computing the grade point average. In those cases where a student repeats a course in which he or she has previously earned a passing grade, the semester hours in the repeated course will not be applicable toward the total hours required for the degree. A student who wishes to repeat a course must have the permission of the Registrar. No transfer credit will be given for a course taken elsewhere which the student has taken previously at Waynesburg University and received a grade of C- or lower.

**Pass-Fail Grades** — A student may elect to take twelve semester hours on a pass-fail basis in areas other than his or her major, correlated field, or distributive requirements. Courses graded as pass-fail that are required for major or distributive requirements (e.g., student teaching, internships, etc.), are not included in the twelve hour maximum. The student must inform the Registrar of his or her decision to elect pass/fail credit no later than the last day to add courses in each semester. All grades will be submitted as letter grades to the Registrar who will convert those grades which are to be recorded as pass-fail. A pass grade will be given for work receiving a D- or better grade. Pass-fail hours are not included in the minimum 12 hours of grade point degree credit required each semester in order to be eligible for the academic dean’s list nor any other honors computations.

## FINAL GRADE APPEALS

The purpose of the final grade appeal procedure is to serve the needs of students who believe that they are awarded unjust grades by faculty members. The basis of a final grade appeal is the student's charge that the grade was awarded through prejudice or caprice. The burden of proof rests with the student. Students must initiate the appeal within the first six weeks of the semester following the one in which the course was completed. A written appeal, or electronic submission of the [Final Grade Appeal](#), must be submitted to the Registrar for review by the Provost or the Provost's delegate, who may request additional information from the student or the course instructor. If warranted, the Provost or the Provost's delegate may forward the appeal to the Academic Standards and Procedures Committee for resolution. Both parties (i.e., the student and the course instructor) will be notified in writing of the outcome of the appeal.

## FINAL GRADE ADJUSTMENTS FOR NON-ACADEMIC REASONS

Purported errors in the assignment of final grades should be brought to the attention of the faculty member immediately upon receipt of the grade report. If confirmed, the instructor will request approval of a grade change by the department chair. Other petitions for grade adjustments for non-academic reasons should be submitted to Academic Affairs.

## AUDITING COURSES

Any student enrolled full-time (i.e. twelve or more credits) may audit courses without additional charges. Enrollment requires permission of the department chair of the course and the student's advisor. A student who wishes to have the audited course made a part of the permanent record must submit by the end of the drop/add period an [Application to Audit Course](#). Audited courses do not apply towards degree/graduation requirements. Part-time or non-degree students who choose to audit a course must have the permission of the department chair and will be charged a per credit rate.

It is the student's responsibility to satisfy the attendance policy identified in the course syllabus along with any other course requirements for auditors as set forth in writing by the course instructor. Students wishing to audit are encouraged to meet with the course instructor before enrolling in order to know the requirements for successfully auditing the course.

During the final grading process the instructor will certify completion or non-completion by assigning an AUS (Audit—satisfied) or AUNS (Audit—not satisfied) grade. No college credit is awarded for an audited course. A student may not request course credit by making up work and taking an examination after the drop/add period.

Students taking courses for credit will receive preference in registration. Any exceptions to this policy must be approved by the Provost.

## TRANSCRIPTS

Transcripts are provided by the Registrar's Office and are issued only upon the written request of the student. No transcripts will be issued if the student has an outstanding debt at the University. All grades, academic suspension actions, degrees received, and degree honors are included on the transcript.

An official transcript carries the University Seal and an authorized signature. Official transcripts are usually mailed directly to educational institutions, employers, etc. A student may obtain an official transcript for his or her personal use. Each transcript must include the student's complete record at Waynesburg University.

## ACADEMIC INTEGRITY POLICY

The principles of truth and honesty are recognized as fundamental to a community of teachers and scholars. The University has a responsibility for maintaining academic integrity to protect the quality of education, research, and co-curricular activities on our campus and to protect those who depend upon our integrity. The following describes how we understand academic integrity at Waynesburg University.

Each member of the University community expects that both faculty and students will honor the principles of academic integrity. Faculty will exercise care in the planning and supervision of academic work, so that honest effort

will be positively encouraged. It is the responsibility of the student to refrain from academic dishonesty and from conduct which aids others in academic dishonesty. This responsibility means that all academic work will be done by the student to whom it is assigned without unauthorized aid of any kind.

If any instance of academic dishonesty is discovered by an instructor, it is his/her responsibility to inform the student in writing of the accusation along with a proposed sanction.

Students found guilty of cheating or plagiarism will normally receive an "F" in either the course or the particular test or assignment, at the faculty member's discretion. Written notice of this finding will be provided by the faculty member to Academic Affairs with a copy to the department chair. In addition, to allow for tracking across multiple departments, the instructor will file an online report of the incident using the MUM Early Alert System.

If the student denies the accusation as charged by the instructor, the matter will be referred within three (3) class days, in writing by the student, to the Academic Standards and Procedures Committee.

The Academic Standards and Procedures Committee will be charged with determining whether the allegation can be substantiated and will report its decision in writing to Academic Affairs, the student, and the faculty member of the outcome. Students or faculty may, within three class days, appeal in writing the decision of the panel to the Provost.

When in the judgment of the Provost, action other than or in addition to a failing grade in the course is warranted, such action, including suspension, dismissal or expulsion, will be determined by the Provost and communicated in writing to the student. Students may, within three class days, appeal in writing such action of the Provost to the President.

#### **Academic Integrity: Student Regulations**

The principles of truth and honesty are recognized as fundamental to a community of scholars. The University expects that students will honor these principles and in so doing protect the validity of the University grading system.

1. No student shall knowingly, without proper authorization, procure, provide or accept any materials which contain questions or answers to any examination or assignment to be given on a subsequent date.
2. No student shall, without proper authorization, complete, in part or in total, any examination or assignment for another person.
3. No student shall, without proper authorization, knowingly allow any examination or assignment to be completed, in part or in total, for him or her by another person.
4. No student shall knowingly plagiarize or copy the work of another and submit it as his or her own.
5. Students shall provide honest effort to provide proper credit for academic resources in accordance with the University catalog, course syllabus, and course assignment.

#### **Academic Integrity: Definitions**

Academic dishonesty includes, but is not limited to:

**Cheating:** Intentionally misrepresenting the source, nature, or other conditions of academic work so as to accrue undeserved credit, or to cooperate with someone else in such misrepresentation of the work of others. As defined, "cheating" includes, but is not limited to:

1. Obtaining or retaining partial or whole copies of examinations, tests, or quizzes before they are distributed for student use.
2. Using notes, textbooks, or other information or equipment (e.g., calculators and other technological devices) in examinations, tests, and quizzes except as expressly permitted.
3. Obtaining confidential information about examinations, tests, or quizzes other than that released by the instructor.
4. Securing, giving, or exchanging information during examinations.
5. Presenting data or other assignments prepared by another person or group as one's own.
6. Falsifying experimental data or information.
7. Having another person take one's place for any academic performance without the specific knowledge and permission of the department chair.
8. Without the express permission of the instructor, submitting work previously submitted for another course.
9. Cooperating with another to do one or more of the above.

**Plagiarism:** Taking and presenting as one's own a material portion of the ideas or words of another or to present as one's own an idea or words derived from an existing source without full and proper credit to the source of the ideas, words, or work. As defined, "plagiarism" includes, but is not limited to:

1. Copying words, sentences, and paragraphs directly from the work of another without proper credit.

2. Copying illustrations, figures, photographs, drawings, models, or other visual and nonverbal material (including recordings) of another without proper credit.
3. Presenting work prepared by another in final or draft form as one's own without citing the source, such as the use of purchased research papers.
4. Taking and presenting another's ideas as one's own.

**Fabrication:** Intentional falsification or invention of any information or citation in an academic exercise.

Fabrication includes but is not limited to:

1. "Invented" information may not be used in any laboratory experiment or other academic exercise without notice to and authorization from the instructor or examiner.
2. Students must acknowledge reliance upon the actual source from which cited information was obtained.

**Facilitating:** Intentionally or knowingly helping or attempting to help another to commit an act of academic dishonesty. Facilitating includes but is not limited to:

1. A student who knowingly allowed another to copy from his or her work would be in violation of this section.
2. Proxy Taking Exam: A student taking an exam by proxy for someone else is an infringement of academic integrity on the part of both the student enrolled in the course and the proxy substitute.

**Bribes, Favors, and/or Threats:** Bribing or attempting to bribe, promising favors to or making threats against any person, with the intention of affecting a record of a grade or evaluation of academic performance. This includes students who conspire with another person who then takes action on behalf of the student.

**Interference and Computer-Related Infractions:**

1. Depriving students of fair access to and reasonable use of educational resources (e.g., computer facilities, electronic data, required/reserved readings, or referenced works).
2. Tampering with, altering, circumventing, or destroying electronic resources or data used for student projects.
3. Computer-related infractions defined by federal laws, state statutes, or contracts with the University (such as unauthorized use of computer licenses, copyrighted materials, intellectual property, or trade secrets).
4. Unauthorized student use of academic or administrative computer resources for non-educational, private, or commercial purposes.

## ADVANCEMENT OF STUDENTS

To be advanced to the sophomore year, a student must have received twenty-five (25) semester hours credit; to the junior year, fifty-three (53) semester hours; and to the senior year, ninety (90) semester hours.

## REGULATIONS FOR CONTINUANCE

### MINIMUM ACADEMIC STANDARDS

It is the policy of the University to deny a student eligibility to enroll after it becomes evident that he or she is either unable or unwilling to maintain reasonable standards of achievement.

At the end of each payment period, the Registrar reviews the records of all students who fail to meet the minimum academic standards as set forth in the chart below.

Waynesburg University Credit Hours Attempted/ Enrolled	Cumulative GPA (grade point average) Requirement
1 - 18	1.75
19 - 35	1.85
36 - 52	1.93
53 - 69	2.00
70 - 86	2.00

87 - 103	2.00
104 - 120	2.00
121 - 137	2.00
138 - 154	2.00
155 - 186	2.00

**Academic Alert** – A student will be placed on Academic Alert for one semester if either of the following conditions apply:

1. A student earns less than a 2.00 semester grade point average, but maintains a cumulative grade point average of 2.00 or above.
2. A student achieves a cumulative grade point average as set forth in the chart above, but below a 2.00.

A student placed on Academic Alert is required to enroll in WBE 107 or 097, Academic Mentoring, as appropriate.

At the end of each payment period, the Academic Standards and Procedures Committee reviews the cases of all students placed on Academic Alert or whose cumulative academic grade point average is below the satisfactory level as established by the faculty. In cases of repeated or gross deficiencies, the Committee may place students on Academic Warning or Academic Suspension.

**Academic Warning** – A student who fails to meet the minimum academic standards as set forth in the chart above will be placed on Academic Warning for one semester.

A student placed on Academic Warning will be notified in writing of this status by the Registrar's Office and will be eligible to enroll in classes at Waynesburg University for one subsequent payment period. A student placed on Academic Warning is required to enroll in WBE 107 or 097, Academic Mentoring, as appropriate.

**Academic Suspension** – A student who is on Academic Warning, and who fails to meet the minimum academic standards as set forth in the chart above for a second consecutive payment period will be placed on Academic Suspension.

A student placed on Academic Suspension will be notified of this status by the Registrar's Office and will be ineligible to enroll in classes at Waynesburg University for two consecutive terms (Fall, Spring, Summer).

A student who wishes to return to Waynesburg University after Academic Suspension must request reinstatement in writing to the Registrar's Office. The Registrar will evaluate the records of the student who requests reinstatement at the time of the request. A student returning from Academic Suspension may be reinstated in a probationary status, and the student must attain the conditions set forth as part of that probationary agreement, including but not limited to the minimum academic requirements. The student should also acquaint himself or herself with the options available under the Adjusted Resident Credit Policy.

At the end of one payment period, if a student fails to meet the conditions of his or her probationary agreement, the student may be placed on Indefinite Academic Suspension, and may be ineligible for readmission to Waynesburg University.

A student who has been twice placed on Academic Suspension for failure to meet minimum academic standards is ineligible for readmission to Waynesburg University.

#### **APPEAL PROCESS**

Only the Academic Standards and Procedures Committee may make exceptions to these regulations.

If extenuating circumstances exist, a student who is placed on Academic Suspension may appeal his or her suspension to the Academic Standards and Procedures Committee. To do so, the student must state in writing the basis of his/her appeal (e.g., death of a relative, injury, illness or other extraordinary circumstances that prevented the student from attending classes and successfully completing the coursework), include documentation that supports the basis of his/her appeal, and explain what has or will change that will enable him/her to meet the minimum academic standards at the next evaluation. This appeal letter must be addressed to the Academic Standards and Procedures Committee c/o Registrar's Office, Waynesburg University, 51 West College Street, Waynesburg, Pennsylvania, 15370.

Specific questions regarding the Continuance Regulations and the University's Satisfactory Academic Progress (SAP) Policy should be directed to the Registrar's Office at 724-852-3252. Questions regarding financial aid implications or options should be directed to the Financial Aid Office at 724-852-3208.

Refer to page 26 for a complete description of the Waynesburg University Satisfactory Academic Progress (SAP) Policy.

## NOTIFICATION OF ACADEMIC STATUS

Waynesburg University makes every effort to notify students of their academic status. In addition to an electronic notification, a certified letter is mailed to each undergraduate student placed on suspension. Since communication by mail may be delayed or misdirected, it is the responsibility of every student to determine his or her academic status by contacting the Registrar's Office. Non-receipt of a letter by a suspended student will not be considered grounds for claiming eligibility to enroll for a subsequent semester.

## ADJUSTED RESIDENT CREDIT

Any undergraduate student who leaves Waynesburg University for two consecutive terms after having attempted at least 12 semester credits will be given the option of requesting a status equivalent to that of a student admitted as a transfer from another institution.

The following conditions governing eligibility will apply:

1. The student must have attempted a minimum of 12 semester credits of work and subsequently separated from the University.
2. The student must have separated from the institution for two consecutive terms. A semester in which the student receives W grades cannot be counted as part of the two-term separation.
3. Upon return, a full-time student must have attained a 2.00 grade point average for all work attempted in the first semester, or upon completion of the first 12 semester credits, if part-time.
4. Upon satisfying the above requirements, the student must submit an application for Adjusted Resident Credit, at which time a 2.00 grade point average for all work attempted since his or her return must have been earned.
5. This option will be extended only once during the student's career at Waynesburg University. If a student is academically suspended, this policy will be considered to have been extended upon return from such suspension.
6. Consultation and approval by the appropriate department and approval of Academic Affairs will be required. Once an application is submitted and approved, the student will not be permitted to change status for the purpose of computing the cumulative grade point average or application of credit toward graduation.
7. All grades received at the University will be part of the individual's official transcript. However, computation of a new grade point average for graduation and continuance will be based on work performed subsequent to reinstatement.
8. Under this option: (1) eligible students will receive degree credit only for those courses in which grades of C or better were earned prior to readmission; (2) likewise, hours attempted for courses in which grades of D or F were received prior to readmission will not be considered in computing the student's new cumulative grade point average, and (3) grade points earned for any course completed prior to readmission will not count in determining the student's new cumulative grade point average.

Students wishing to avail themselves of this policy may receive procedural information from the Registrar's Office.

## APPLICATION FOR DEGREE

Every student must declare the date he or she intends to complete work for a degree. This must be done by formal application through the Registrar's Office in accordance with the following schedule:

<b>Month all work to be completed:</b>	<b>Application to be submitted by:</b>
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December	Third Friday in July
May	Second Friday in November
August	Second Friday in April

## REQUIREMENTS FOR GRADUATION

Candidates for a baccalaureate degree must have completed the equivalent of four years of college work, during which they must have completed a course of study averaging sixteen hours a week. Translated into credits, this means a minimum of 124 credit hours including a student's major field of study. In addition, to qualify for a degree, each candidate must have earned a cumulative grade point average of at least 2.00 and a 2.00 grade point average in the declared major and minor fields of study. Although academic advisors and the Registrar's Office assist students in course selection and registration, it is the responsibility of each student to see that he or she fulfills all degree requirements. Candidates for degrees must apply graduation ([Graduation Application - On-Campus](#)). Graduate and Professional Studies candidates can apply in myConnect for the individual program (<https://myconnect.waynesburg.edu/group/graduatestudents/>).

A student who seeks a baccalaureate degree from Waynesburg University must, in addition to meeting other requirements at the University, earn a minimum of 45 credits at the University through on-campus instruction. This must include 12 hours of upper-level courses in the department of the declared major. Not less than 18 of the last 30 semester hours of college work must be completed on the Waynesburg campus.

A maximum of two major courses of study is permitted, if all requirements (see departmental major requirements) are met and not prohibited by departmental regulations. For example, students may not choose two major courses of study in business administration programs (accounting, entrepreneurship, finance, forensic accounting, business management, marketing, sports management). In any case, only one baccalaureate degree is awarded upon the completion of one hundred twenty-four semester hours and one or two major courses of study.

The University will permit a student to acquire a concurrent second baccalaureate degree, provided that he or she: (1) pursues a different degree (e.g., a Bachelor of Arts and a Bachelor of Science in Business Administration), (2) meets all University and departmental requirements (credits earned for the first degree may be applied, if suitable, toward the second degree), and (3) completes a minimum of 155 semester hours. Prior to undertaking the second degree, the student must have his or her accumulated credits evaluated and the second-degree program approved in writing by the appropriate department chairpersons. See the curriculum section on Nursing for the special program of earning a second degree in nursing for someone who has already completed a bachelor's degree.

Students who complete their baccalaureate degree requirements within seven years following admission to Waynesburg University will qualify for the degree by fulfilling the requirements in the catalog in effect at the time of their first enrollment, or any of the subsequent catalogs within six years. Students who do not complete their baccalaureate degree requirements within the first seven years must project their graduation date and fulfill the catalog requirements in effect during any of the four years immediately preceding graduation. Transfer students must fulfill the catalog requirements in effect during any one of the four years preceding their graduation.

Residency requirements must be satisfied for each degree. Credits from a baccalaureate degree may not be used to satisfy residency credit or degree requirements for a master's degree. Likewise, credits from a master's degree may not be used to satisfy residency credit or degree requirements for a doctoral degree.

Students are required to make settlement of all financial obligations to the University, and no transcripts will be issued until all such obligations are satisfactorily met.

Graduates conferring their degree during the summer or fall semester will have their diplomas mailed to the home address on file with the Registrar's Office. Spring semester graduates may pick up their diploma in the Office of Records and Registration at a time to be specified. Diplomas not picked up will be mailed to the home address. Those who find it impossible to attend the Commencement ceremony must be excused by the President of the University.



## EXCEPTIONS TO REQUIREMENTS FOR DEGREES

Exceptions to degree requirements are not generally made. However, exceptions are in order if extenuating circumstances warrant. A request for waiver or substitution of courses or requirements for a major may be made by the student's advisor and department chair. The request must be submitted to the Registrar's Office prior to the semester in which the student anticipates graduation. Exceptions to regulations governing general distribution requirements and overall requirements for the degree may be made only through petition to Academic Affairs for resolution or referral to the Academic Standards and Procedures Committee. All exceptions will be recorded in the student's file in the Registrar's Office and applied at the time of graduation.

## GRADUATION HONORS

Baccalaureate degrees with honors are conferred in accordance with the following cumulative grade point averages on work attempted at Waynesburg University.

Latin Honor	Cumulative GPA Range
Cum Laude	3.50 - 3.65
Magna Cum Laude	3.66 - 3.89
Summa Cum Laude	3.90 - 4.00

These designations apply only to first time candidates for the baccalaureate degree who have completed 60 or more credit hours of work at Waynesburg University. Students in professional study programs requiring less than 60 credit hours are honored by the designation "Academic Excellence in Adult Programs."

## SELECTION CRITERIA FOR VALEDICTORIAN

The valedictorian(s) shall be selected from those students who have:

1. completed all baccalaureate degree requirements,
2. earned a minimum of 124 hours at Waynesburg University, and
3. the highest grade point average.

One candidate will be selected to represent the class in cases where more than one student meets the above criteria.

## DEPARTMENTAL HONORS

Departmental honors may be awarded each year to seniors who have done outstanding work in the various departments. To be eligible for honors a senior must have completed all degree requirements and earned a minimum grade point average of 3.50 as determined by the Registrar's Office. Additional criteria will be determined annually by the various departments and/or the Academic Standards and Procedures Committee.

## DEAN'S LIST

The Dean's List is published on the University website at the conclusion of each semester. Any matriculated undergraduate student who earned a grade of C or better in 12 or more credits toward their first undergraduate degree, and who attained a semester grade point average of 3.50 or higher, is placed on the Dean's List. Students who completed at least 12 semester hours with courses graded on a pass/fail basis, as noted in the Academic Catalog course description, might also be placed on the Dean's List. Students who received grades of I (incomplete) will not be placed on the Dean's List.

## UNIVERSITY STUDENT PRIZES AND AWARDS

- The James E. Garvin, 1886 and Caroline Parkinson Garvin, ex 1894, Prize in Humanities was established by their sons, Dr. John Day Garvin and Dr. Robert O. Garvin. The award is made annually to that member of the junior class who has attained the greatest distinction in English.
- The Vira I. Heinz Scholarship for summer study abroad is awarded annually to a junior woman student. The stipend is provided through the generosity of Mrs. Heinz.
- The Boris Ivezic Prize in Economics is awarded to the outstanding junior student (rising senior) studying economics. This \$300 prize is funded by Mrs. Liliana Ivezic to honor her husband's twenty-two years of teaching economics at the University and is to be used for purchasing textbooks.
- The Chauncy C. Lively and Grace K. Lively Psychology Award is made possible through an endowment established by the Lively family in memory of Chauncy C. Lively and his wife, Grace K. Lively. Dr. Lively was chairman of the psychology department at Waynesburg University from 1928 until his death in 1949. He had also served as Academic Dean from 1929 to 1939. This award is to be given annually to the highest ranking member of the junior class majoring in the field of psychology.
- The Ronald E. and Judith A. Montgomery Excellence in Nursing Scholarship is intended to encourage students majoring in nursing to academic excellence. The recipient must exhibit strong credentials in academics, leadership, community service, and continually strive to represent the Waynesburg University Philosophy of Nursing. Each year one eligible junior level nursing student will be selected to receive the scholarship. This scholarship will be applied to their senior year tuition.
- The Dr. Janet A. Paladino Environmental Science Annual Award was created in 2020 by Waynesburg University Professor Environmental Science, Dr. Janet A. Paladino. Dr. Paladino created this award with the hope of inspiring students to academic excellence.
- The James D. South Memorial Prize was funded by a bequest from Mr. South 1935, a career educator. His Will directed that the endowment income be used for an annual award to the outstanding student in the field of history or political science as determined by the faculty.
- The Stover Nursing Award was established through the generosity of Waynesburg University trustee, W. Robert Stover, 1942. A junior nursing student is chosen by the nursing faculty based on strong credentials in academic, leadership, and community service. The awardee must also exhibit the caring attitude inherent in the Waynesburg University philosophy of nursing.
- The PICPA (Pennsylvania Institute of Certified Public Accountants) Senior Award honors the outstanding accounting student selected by the faculty on the basis of intellectual capacity and qualities of leadership. Each winner will also receive a small replica of the plaque.
- The Society for Analytical Chemists of Pittsburgh awards a cash prize and a certificate of achievement to an outstanding graduating senior chosen by the University chemistry faculty. Recipients are selected based on grade point average, chemistry related activities, and other honors, awards and activities. SACP also makes a gift to the University for a library book placed in honor of the recipient.
- The American Institute of Chemists Foundation awards a certificate of achievement and a year's membership in AIC to an outstanding senior majoring in chemistry. Candidates are chosen and nominated by their faculty members.

## FACULTY AWARDS

- An endowed fund has been established to support three Lucas-Hathaway Teaching Excellence Awards, which recognize faculty members for teaching excellence. Presented annually, one award recognizes a faculty member with a history of teaching excellence, and the second one recognizes a faculty member for teaching excellence in introductory subjects primarily taken in the freshman and sophomore years. In 2005, a third award was established to recognize outstanding teaching by non-full-time faculty at any Waynesburg University site. The award program is funded by the Lucas-Hathaway Charitable Trust, which was funded by J. Richard Lucas and C. Joan Hathaway Lucas, members of the class of 1950.
- The student leadership honorary society, Omicron Delta Kappa, also awards a faculty or staff member special recognition.

## TEACHING CERTIFICATES: PENNSYLVANIA LEVEL 1 INSTRUCTIONAL CERTIFICATION (GRADES PREK-4, 4-8, AND 7-12)

Waynesburg University is accredited by the Pennsylvania Department of Education as a teacher preparation program for individuals seeking certification at the PreK-4, 4-8 and 7-12 grade levels. Students are requested to counsel with their advisor or the Chair of the Education Department before their sophomore year regarding the general and professional education and academic subject matter requirements necessary for certification in Pennsylvania and in other states.

Students majoring in early childhood education or elementary/middle level education must follow the prescribed program as outlined in the curricula section of the catalog.

Students desiring to be certified to teach on the secondary level (grades 7-12) must choose a major in either biology, chemistry, English, history or mathematics and follow the required professional education and certification courses as outlined in the curricula section of the catalog. At Waynesburg University, the following secondary certificates are possible for teaching in the State of Pennsylvania: biology, chemistry, English, general science, mathematics, and social studies.

Upon successful completion of all degree requirements, including the student teaching experience and successful completion of the state-mandated PRAXIS II Subject Assessment and/or Pennsylvania Educator Certification Tests (PECT) for a given certification area, the Waynesburg University graduate will be eligible to apply to the Pennsylvania Department of Education for teacher certification.

Nontraditional students seeking an elementary or secondary teaching certificate, or teachers wishing to add an area to a certificate, should contact the Education Department so that a program of study can be designed to meet the needs of the applicant.

## PORTFOLIO CREDIT

At the request of the student, the University will evaluate previous experience in nontraditional forms of learning. To be validated for course credit, life experience learning must be comparable in outcomes to the content of courses and experiences, and to the knowledge, insights, and understanding developed through existing college programs. The experiential credit is for the knowledge gained and not for the experience itself, and must correspond with an existing Waynesburg University course. Many students have valuable experiences that do not translate into academic credit.

Any student petitioning for life experience credit is required to submit a portfolio to the appropriate department chair or program director. A portfolio must include at least:

1. Detailed personal resume and job description(s);
2. Student analysis of his or her learning experiences and the knowledge and skills that he or she has gained; and,
3. Records of Testimony — Verification of the life experience where appropriate. For example, a) letters from supervisors, co-workers, clients, or b) work samples such as artwork, reports, articles, budgets. A detailed set of instructions can be obtained from the Registrar's Office.

In addition to submitting a portfolio, the student may be required to take an examination to verify the life experience learning.

The department chair or program director will discuss the portfolio with the student and appropriate faculty members. The chair may recommend that life experience credit be granted, or not be granted, for specific courses offered by that department. A positive recommendation from the chair goes to the Provost or designee for final approval. If the decision of the chair is not to recommend the granting of life experience credit, the student can appeal, in writing, to the Academic Standards and Procedures Committee. If the committee decides there is merit to the student's petition, a recommendation for approval will be forwarded to the Provost or designee for final approval.

Portfolio credits in the Graduate and Professional Studies RN to BSN program will be considered in the context of the student's nursing career so that individual disciplines will be evaluated within the scope of how the disciplines are applied in a clinical setting.

A maximum of 15 credits for life experience learning can be awarded to a student. These life experience credits will not be assigned a grade and will not be used to compute the student's grade point average.

A fee of \$80 per credit hour requested will be charged for evaluation of the student's portfolio.

## RESERVE OFFICERS' TRAINING CORPS

### AIR FORCE RESERVE OFFICERS TRAINING CORPS

Air Force ROTC is a college program that prepares young men and women to become leaders in the Air Force. The program consists of classes and leadership laboratories each semester to teach you about the Air Force. You will be tested mentally and physically as you acquire strong followership and leadership skills that will benefit you as an Air Force Officer and in life. Please see the Military Science section of this catalog for course information.

### ARMY RESERVE OFFICERS' TRAINING CORPS

Waynesburg University offers Army Reserve Officer Training Corps (ROTC) instruction through a partnership program with West Virginia University (WVU). ROTC provides interested students an opportunity to acquire military experience and prepare themselves to become officers in the United State Army. Students who qualify and meet all academia and training requirements will commission as second lieutenants in the Army upon graduation. Officers serve an eight-year service obligation and enter into either active duty (minimum of three or four years), and U.S. Army Reserve or the Army National Guard. There are both two-year and four-year ROTC programs.

The four-year program consists of a basic course and an advance course, each two years in duration (see the Military Science program listed in the curriculum section of the catalog). The Basic Course is given on-campus during the freshman and sophomore years. The Advance Course requires attending some classes and training events on the WVU campus in Morgantown, WV, during the junior and senior years. There is no military commitment for students enrolled in the Basic Course; however, a student can sign a contract obligating them to complete the program and accept a commission as early as their sophomore year. There are exceptions for four- and three-year Army ROTC National Scholarship recipients.

The two-year program consists only of the Advance Course, but application must be made early in the spring session of the sophomore year to schedule training. Upon approval, applicants are required to attend a four-week cadet summer training event between their sophomore and junior years. This training (Cadet Initial Entry Training – CIET) is in addition to the normal advanced Cadet Leadership Course (CLC) described later.

Credit for all or part of the Basic Course may be awarded for prior military service or having at least three years of Junior ROTC participation in high school. See the Director of Admissions or the Office of Academic Affairs for details.

The Advance Course is the same for both the two-year and four-year programs. Students must meet established criteria to be selected for the Advance Course. Students who successfully complete the Advance Course and obtain their degree receive commissions as second lieutenants in the United States Army. Students who obtain commissions will either enter onto Active Duty or into the Reserve Components (U.S. Army Reserve or Army National Guard).

Students compete for the privilege to enter onto Active Duty. Early in the fourth year students are assessed on their performance in the program and overall leadership potential. The Army then determines their officer service branch and if they enter onto active duty to serve in the Reserve Components upon graduation and commission. Students who wish to pursue a civilian career or graduate school and enter into the Reserve Component after commissioning can request a Guaranteed Reserve Forces Duty contract to ensure they will serve in the Reserve Components. Reserve and National Guard duty entails military training one weekend a month and two weeks of annual training during the year.

All students enrolled in the Advance Course must be contracted into the program. Once they contract, they will receive a tax-free monthly stipend. The amount of the stipend varies depending on the student's academic year. The stipend is \$450/month in the junior year and increases to \$500/month in the senior years. Students only receive the stipend or a pro-rated portion in months when school is in session (not a year-round benefit).

Students enrolled in the Advance Course are required to attend the Cadet Leadership Course (CLC) and successfully complete the four-week course at Fort Knox, Kentucky. Normally, students attend CLC during the summer between their junior and senior years after completing the Military Science 300 level courses (MSC 301 and 302). Students are paid while attending this camp (Approximately \$32/day). All travel costs will be paid for by the Army, and students will be issued all clothing and equipment as well as being provided all meals and housing.

# SPECIAL ACADEMIC PROGRAMS

## ACADEMIC AND CAREER COUNSELING

Academic counseling is available through the Counseling Center for those students who may be experiencing difficulties in their coursework. The Counseling Center also provides career counseling through the Major Decision Program, which includes a Career and Life Planning class, specialized advising, career tests and inventories, DISCOVER (a computerized career guidance system), and individual career counseling sessions. Once students have declared a major, they are assigned an academic advisor within the major department.

## CENTER FOR RESEARCH AND ECONOMIC DEVELOPMENT

The Center for Research and Economic Development works with business, industry and regional community and economic development agencies to connect faculty, staff and students and university resources with area enterprises. Instituted in 2006, the Center includes cooperative programs and laboratory space with regional businesses. Through the Center's business and industry contacts, potential internship, employment opportunities and curricular and research opportunities are identified. The Center also provides support for the University's Institutional Review Board.

## DISTANCE LEARNING

Using interactive videoconferencing and satellite technology, Waynesburg University offers additional educational resources to its students, faculty, and staff. Waynesburg University also offers web-based and Internet courses as part of a limited number of graduate courses. While individual courses may employ technological resources for distance learning, entire degree programs cannot be completed in this format.

## EDUCATIONAL ENRICHMENT PROGRAM

Supported by funds appropriated under the Pennsylvania Higher Education Equal Opportunity Act, the Educational Enrichment Program provides counseling and tutoring to eligible Pennsylvania students.

## MAJOR DECISION PROGRAM

Many students are open to several possibilities for a major course of study when they enter college. Waynesburg University provides students with the guidance they need as they narrow their options and decide on a major. The Major Decision Program includes a Career and Life Planning class, specialized advising, career tests and inventories, DISCOVER (a computerized career guidance system), individual career counseling sessions and various career-related workshops. The advisors assigned to major decision students are specially trained to assist students as they explore major programs. In addition, advisors work with their advisees to help ensure a successful beginning to the college experience. Once students have decided on a major, they will be assigned to an academic advisor within the major department.

## PATHWAYS CENTER

The Pathways Center is an initiative to provide comprehensive student support services including, but not limited to, peer tutoring, disability services, academic mentoring, academic planning, career development, vocational exploration, MUM referral system, study abroad, work study, and diversity and inclusion initiatives. Located in the Eberly Library, The Pathways Center works in partnership with the community and on-campus resources, including the Counseling Center, Student Services, Writing Center, Library Services, Center for Entrepreneurial Leadership, Alumni Relations, Athletics, academic programs and others.

### **Academic Mentoring**

Students who are on Academic Alert, Academic Warning, or Academic Probation are assigned to meet weekly with a faculty or staff member in an effort to improve their academic standing. Through the mentoring

relationship, students are held personally accountable for their academic efforts and achievements while receiving critical guidance and support.

#### **Disability Services**

Students with disabilities who believe that they may need accommodations are encouraged to contact the Disability Services Office at 724-852-7797. Students are encouraged to contact the office as soon as possible to better ensure a timely review of their request.

#### **Tutoring**

The University provides free peer tutoring for most courses in the Knox Learning Center located on the ground floor level of the Eberly Library. The tutors are students who have had the course or who are currently enrolled in the course, recommended by the instructor, and completed tutor training. Students seeking tutoring are able to schedule their sessions online by viewing the online tutoring schedule, filtered by course, and reserving their tutoring session based on tutor availability.

#### **Career Development**

Waynesburg University provides free Career Development for students and alumni, including resume and cover letter review, interview support, job and internship search assistance, vocation-based assessments, graduate and professional school search and application assistance, and more. In addition to support, the Career Development space within the Pathways Center offers resources, programming, and events, including on-campus and off-campus job and internship fairs.

#### **Study Abroad**

Undergraduate students at Waynesburg University are able to study abroad for one academic year, one semester, or during short-term study abroad programs. Through partner programming, students have nearly 100 opportunities to choose from in 40 countries around the world. A limited number of students are selected annually to apply their institutional aid to one semester of their study abroad experience. Institutional aid cannot be applied to short-term programs. Domestic programs in Los Angeles, CA, Nashville, TN, and Washington, D.C. are also available to students. Students are encouraged to plan ahead and to complete an off-campus study application with the Registrar's Office.

### **SENIOR CITIZENS**

Senior citizens (65 years of age or older) may audit courses without paying an auditing fee. A registration fee of \$75 is charged for each course audited. Students taking courses for credit will receive preference in registration. Only 15-week courses on the main campus are available under this senior citizen option. Senior citizens auditing a course having pre-requisites must document that they are prepared with those pre-requisites.

### **STUDY ABROAD**

Waynesburg students have the option of studying for an academic year, semester, or short-term summer program. Program options include partnership agreements and endorsed programs as The American University of Rome, BestSemester, Creation Care, International Studies Abroad (ISA), LCC International Lithuania, Massey University, Northumbria University-England, Queen's University (Northern Ireland), Semester in Spain, Study Abroad (Butler University), Tokyo Christian University, University of Waikato (New Zealand), and The Washington Center. Many varieties of experiences are available from semester-long residencies to short trips, from student teaching to service learning.

BestSemester programs include: Australia Studies Centre, Costa Rica Latin American Studies Program, Middle East Studies Program, Northern Ireland Semester, Oxford Scholars' Semester, and Uganda Studies Program.

A limited number of students are selected annually to be able to use institutional aid for these study experiences. Students are encouraged to plan ahead and to complete an off campus study application with the Registrar's Office.

### **SUMMER SESSION**

The summer session is designed to meet the needs of (1) high school students who desire early admission to college; (2) college students who wish to reduce the time necessary to complete the requirements for a degree or wish to make up deficiencies; and (3) others who seek self-improvement and greater competency.

The formal entrance requirements regulating the admission of students to the University are in effect for the summer session. A student in attendance at another college who desires to enroll for courses in the summer session at Waynesburg University is required to present a statement of good standing and a permit from the other institution. Students who are transferring from some other institution are advised to have their credits evaluated by the Registrar before registering for a summer session.

Students are encouraged to contact the Business Office and Financial Aid Office to discuss billing obligations for summer courses.

## TEACHING WITH PRIMARY SOURCES PROGRAM

The Library of Congress Teaching with Primary Sources Program at Waynesburg University delivers professional development programs to pre-service and in-service K-12 teachers as well as faculty members. Waynesburg University also serves as Eastern Region Coordinator with outreach responsibility for 17 states, the District of Columbia, Puerto Rico, and the U.S. Virgin Islands. The goal is to help teachers use the Library of Congress' rich reservoir of digitized primary source materials, available through <http://loc.gov>, to design challenging, high-quality instruction that promote higher-level thinking skills.

# THE CURRICULUM

**IMPORTANT NOTE:** Instruction for courses may be delivered in-person, online, or through any combination of in-person or online learning. Regardless of the modality utilized, the cost will remain the same. In addition, the courses may transition from one mode of instruction to another with little or no advance notice based on the discretion of the University.

Curricula and courses of instruction listed in this issue of the Waynesburg University Academic Catalog are effective August 2021. Changes may be made in programs, course offerings or requirements. Course numbers appearing in parenthesis reflect former course numbers for this offering.

## BACCALAUREATE DEGREE REQUIREMENTS

### EFFECTIVE AUGUST 2021

Waynesburg University confers the following baccalaureate degrees, all of which require at least 124 semester hours: Bachelor of Arts, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Marine Biology and Bachelor of Science in Nursing. Each degree program incorporates all University requirements for graduation. Course selection and major may extend a student's program of study beyond four academic years.

For the Bachelor of Arts degree, the major field may be Advertising, Applied Business, Art, Biblical and Ministry Studies, Biology, Communication, Criminal Justice Administration, Digital Design, Early Childhood Education (PreK-4), Elementary/Middle Level Education (Grades 4-8), English, Environmental Studies, Forensic Investigation, History, Human Services, Interdisciplinary Studies, International Studies, Music Ministry, Psychology, Public Relations, Social Science, Sociology, Special Education, or Sports Media.

For the Bachelor of Science degree, the major field may be Biology, Business Information Science, Chemistry, Computer Science, Cybersecurity and Forensics, Data Science, Environmental Science, Exercise Science, Forensic Biology, Forensic Science, Human Services, Information Technology, Interdisciplinary Studies, Mathematics, Pharmaceutical Science, or Science Education.

For the Bachelor of Science in Business Administration degree, the major field may be Accounting, Business Management, Entrepreneurship, Finance, Forensic Accounting, Healthcare Management, Marketing, or Sports Management.

For the Bachelor of Science in Marine Biology degree, the major field may only be in Marine Biology.

For the Bachelor of Science in Nursing degree, the major field may only be Nursing.

## THE GENERAL EDUCATION CURRICULUM

At a liberal arts university, the undergraduate degree consists of three types of courses: courses required for the major, electives, and courses that are part of the general education curriculum.

The general education curriculum is a core universal experience for all students at Waynesburg University that defines a set of knowledge, skills, and abilities we believe will assist our future graduates as they progress into careers around the world, graduate studies, and everyday life as citizens in their communities.

### Waynesburg University General Education Curriculum:

*The goals of the General Education Curriculum are to develop:*

- Effective communication, quantitative, scientific reasoning, and critical thinking skills;
- A critical understanding in a major field of study and a breadth of knowledge in a variety of disciplines;
- Technological and information literacy competencies;
- An enduring respect for Judeo-Christian values, a commitment to service, and a foundation for life-long learning;
- Intellectual, spiritual, and social growth consistent with Judeo-Christian traditions.

*Through the General Education Curriculum, Waynesburg University students will be able to:*

1. Relate the Judeo-Christian tradition to contemporary issues, personal identity, and the academic disciplines;
2. Serve those in need and facilitate social justice;



3. Engage in personal wellness;
4. Apply the theory of an academic specialization;
5. Employ concepts and methods from many academic disciplines;
6. Examine fundamental observations and theoretical models developed in the processes of scientific inquiry and mathematical reasoning;
7. Recognize lifestyles, traditions, and rituals of diverse cultures;
8. Analyze aesthetic expressions and make informed evaluations;
9. Write and speak in a coherent, grammatically correct, and organized manner;
10. Use research skills and information technologies.

## GENERAL EDUCATION REQUIREMENTS FOR THE BACCALAUREATE DEGREE

### Writing Skills

- ENG 101: College Composition I or ENG 187: Honors College Composition I
  - ENG 102: College Composition II, ENG 185: Introduction to Literary Studies or ENG 188: Honors College Composition II
- (Note: Enrollment in ENG 101-102 is based on the student's score on the SAT or ACT Test.)

### Oral Competency

- COM 228\* fulfills the Oral Competency requirement  
or BUS 358  
or (1) CHE/FSC 385, (2) CHE/FSC 485, and (3) CHE/FSC 499 or FSC 465  
or a student may take an approved departmental course

### Quantitative Reasoning Skills

- MAT 106: Beginning Algebra  
or enrollment in a higher-level math course (above MAT 106)  
or BDA 205: Statistical Applications in Data Analytics

### Computer Literacy Skills

- CSC 105: Introduction to Computers  
or BDA 105: Business Systems Applications  
or COM 126: Principles of Design  
or EDU 107: Technology in Education

### Life Skills

- LSK 101: Wellness (in conjunction with any of the following Life Skills labs: 105, 116, 117, 119, 126, 128, 129, 135, 136 or special topics offering such as dance, yoga or Pilates)  
or LSK 125: Varsity Sports  
or NUR 105: Orientation to Professional Nursing

### Natural and Physical Sciences

- Two laboratory science courses

### Fine Arts, Language Arts, and Communication

- Three credit hours from fine arts (art, music, theatre)
- One literature course from English
- Three additional credit hours from fine arts (art, music, theatre), language arts (literature, writing, Spanish, language), or communication (film, photography, speech\*)

### History, Biblical and Ministry Studies, and Philosophy

- One history course
- BMS 105 or 106
- One philosophy course

### Social and Behavioral Sciences (two disciplines must be represented)

- Two courses from business administration (BUS 228), economics, geography, international studies (INT 105), political science, psychology, or sociology

### Service Learning

- One service learning course (SLR 105, 106, 107, 155, 205, 206, 255, 305, 306, 355, 455)

or NUR 419: Clinical Prevention and Population Health

### **Waynesburg Experience - Fiat Lux**

- WBE 108

### **Study in Depth**

- All baccalaureate degree candidates must complete a major course of study.

For additional information related to requirements for graduation, see Application for Degree and Requirements for Graduation on 63.

## **BACCALAUREATE MINOR PROGRAMS**

Minor programs are available in Accounting, Art, Biblical and Ministry Studies, Biology, Business Management, Chemistry, Child Development, Communication, Computer Science, Counseling, Digital Design, Economics, English, Entrepreneurial Leadership, Environmental Studies, Exercise Science, Film Studies, Finance, Financial Mathematics, Healthcare Management, History, International Studies, Journalism, Marketing, Mathematics, Military Science, Music, Philosophy, Political Science, Psychology, Public Relations, Self-Development, Service Leadership, Sociology, Spanish, Sports Management, and Theatre. For specific minor program requirements, see the major department, listed alphabetically in this section of the catalog.

## **TRANSFER POLICIES FOR GENERAL EDUCATION REQUIREMENTS**

The following regulations govern the use of transfer credit to satisfy General Education Requirements:

1. Students who wish to transfer credit to the University in order to satisfy General Education Requirements must apply individual transfer courses to the basic skills and areas of knowledge categories as listed in the catalog. Decisions regarding the applicability of transfer courses to General Education Requirements will rest with the Registrar in consultation with the Provost and the Department Chair responsible for the subject matter involved. Students should be aware that even though General Education Requirements might be met through transfer of courses into the necessary categories, department requirements must still be met.
2. If the intention of a course is judged to be commensurate with content categories of the core curriculum, transfer credit will be applied on a course-by-course basis, rather than hour-by-hour, to fulfill General Education Requirements. Any such course will carry the number of academic credits assigned by the institution that offered the course. In the case of quarter system credits, the standard conversion of quarter hours to semester hours will be used.
3. Students who have been admitted to the University and wish to take courses at other institutions to satisfy General Education Requirements, must receive approval in writing in advance by filing a Transient Student Form in the Registrar's Office.

## **ALTERNATIVE CREDIT OPPORTUNITIES (ACO)**

Waynesburg University values the concept of lifelong learning and realizes that credit may be awarded for college level learning from a variety of sources. Students interested in alternative credit are encouraged to contact the Registrar's Office for detailed information and application materials. Currently, the following alternative sources of credit are available to students enrolled at the University:

- Advanced Placement (AP) Tests of the College Entrance Examination Board
- College Level Examination Program (CLEP)
- American Council on Education (ACE) Equivalency Credit
- Recommendations (Military Courses)
- Departmental Examinations
- International Baccalaureate
- Portfolio Credit

Upon completion of the first semester as a full-time student (12 semester hours, if part-time), credit received through these programs is posted on the student's permanent record. A minimum of 45 semester hours of on-campus instruction is required for the baccalaureate degree. Credit earned through ACO may not be used to satisfy this

requirement. Program descriptions and regulations governing the application of this credit to degree requirements follow:

**A. Advanced Placement Program**

Credit and/or placement are awarded to students receiving sufficiently high scores on Advanced Placement Tests of the College Entrance Examination Board as indicated below:

AP Exam	AP Score	Waynesburg University Credit/Course Equivalent
Arts:		
Art History	Score of 3 or above	3 semester hours for ART 102, Art from the Early Renaissance to the Present
Music Theory	Score of 3 or above	3 semester hours for MUS 131, Music Theory I
Studio Art: 2-D Design	Score of 3 or above	3 semester hours for ART 115, Design for Art
Studio Art: 3-D Design	Score of 3 or above	3 semester hours for ART 115, Design for Art
Studio Art: Drawing	Score of 3 or above	3 semester hours for ART 106, Drawing
English:		
English Language and Composition or English Literature and Composition	Score of 3*	3 semester hours for ENG 101, College Composition I
	Score of 4 or 5*	3 semester hours for ENG 187, Honors College Composition I
		* If both exams are taken and score of 3 or above, a student can earn credits for the general education requirement (i.e., one literature course from English) if a score of 4 or above is earned on the literature exam.
History and Social Science:		
Comparative Government and Politics	Score of 3 or above	3 semester hours for the general education requirement in social and behavioral sciences (political science)
European History	Score of 3 or above	3 semester hours for HIS 111, Western Civilization to 1450, or HIS 112, Western Civilization Since 1450
Human Geography	Score of 3 or above	3 semester hours for general education requirement in social and behavioral sciences (geography)
Macroeconomics	Score of 3 or above	3 semester hours for ECO 201, Macro Economics
Microeconomics	Score of 3 or above	3 semester hours for ECO 202, Economics of Business

Psychology	Score of 3 or above	3 semester hours for PSY 105, Introduction to Psychology
United States Government and Politics	Score of 3 or above	3 semester hours for POL 105, American National Government
United States History	Score of 3 or above	3 semester hours for HIS 101, The United States to 1865, or HIS 102, The United States Since 1865
World History	Score of 3 or above	3 semester hours for the general education requirement (i.e., one history course)
Math & Computer Science:		
Calculus AB	Score of 3	4 semester hours for MAT 205, Functions and Trigonometry
Calculus AB	Score of 4	4 semester hours for MAT 205, Functions and Trigonometry or 8 semester hours for MAT 205 and MAT 211, Calculus I (pending successful completion of a departmental calculus placement examination)
	Score of 5	8 semester hours for MAT 205, Functions and Trigonometry, and MAT 211, Calculus I
Calculus BC	Score of 3	4 semester hours for MAT 205, Functions and Trigonometry
	Score of 4	4 semester hours for MAT 205, Functions and Trigonometry or 8 semester hours for MAT 205 and MAT 211, Calculus I (pending successful completion of a departmental calculus placement examination)
	Score of 5	8 semester hours for MAT 205, Functions and Trigonometry, and MAT 211, Calculus I
Computer Science A	Score of 4 or above on Test A	3 semester hours for CSC 116, Computer Programming I
Computer Science Principles	Score of 3 or higher	3 semester hours for CSC 105, Introduction to Computers
Statistics	Score of 4 or above	3 semester hours for MAT 215, Applied Statistics I
Sciences:		
Biology	Score of 3 or above	4 semester hours for BIO 118, Human Biology for Non-Majors or ENV 117, Introduction to Environmental Science
Chemistry	Score of 3*	4 semester hours for CHE 105, Contemporary Topics in Chemistry or CHE 106, Practical Chemistry for Life
Chemistry	Score of 4*	4 semester hours for CHE 121, General Chemistry I

	Score of 5*	8 semester hours for CHE 121-122, General Chemistry I and General Chemistry II
		* Successful interview with department representative(s) to determine laboratory experience.
Environmental Science	Score of 3 or above	ENV 117, Introduction to Environmental Science
Physics 1: Algebra-Based	Score of 4 or above	4 semester hours for PHY 201, Introductory Physics I
Physics 2: Algebra-Based	Score of 4 or above	4 semester hours for PHY 202, Introductory Physics II
Physics C: Electricity and Magnetism	Score of 4 or above	4 semester hours for PHY 211, General Physics I
Physics C: Mechanics	Score of 4 or above	4 semester hours for PHY 212, General Physics II
World Languages & Cultures:		
Chinese Language and Culture	Score of 3 or above	3 semester hours for language
French Language and Culture	Score of 3 or above	3 semester hours for language
German Language and Culture	Score of 3 or above	3 semester hours for language
Italian Language and Culture	Score of 3 or above	3 semester hours for language
Japanese Language and Culture	Score of 3 or above	3 semester hours for language
Latin	Score of 3 or above	3 semester hours for language
Spanish Language and Culture	Score of 3 or above	3 semester hours for Spanish (Student will need to take placement test to determine their skill level.)
Spanish Literature and Culture	Score of 3 or above	3 semester hours for the general education requirement (i.e., three additional credit hours from fine arts, language arts or communication)

Credit may be awarded in other areas with the approval of the appropriate department chair and the Provost.

#### **B. College Level Examination Program (CLEP)**

Waynesburg University serves as a limited CLEP Test Center. The University offers students the opportunity to earn undergraduate credit through the College Level Examination Program (CLEP) which has two testing categories, the General Examinations and the Subject Examinations. The General Examinations are a series of tests in five separate areas: English composition, natural sciences, mathematics, humanities, and social sciences and history. A student may earn up to 15 credits by passing the appropriate tests in this area. The Subject Examinations comprehensively test a single subject, such as American Government. Students who satisfactorily complete one of these examinations are awarded credit for a comparable course. Credit is awarded based on minimum scores reviewed annually by the University.

#### **C. Equivalency Credit Recommendations**

Waynesburg University awards credit for courses as recommended by the American Council on Education (ACE). Courses are evaluated on an individual basis by the Registrar in consultation with the appropriate Department Chair and the Provost.

#### **D. Departmental Examinations**

Credit by Departmental Examination (CDE) may be granted by the University in the absence of appropriate nationally developed proficiency examinations. Students wishing to take credit by departmental examination must meet any eligibility requirements established by the department and approved by the Provost. The following criteria govern credit by departmental examination:

1. Each department, with approval of the Provost, will determine which, if any, courses within the department will be available for credit by departmental examination.
2. The nature of examinations and standards of evaluation for designated courses will be determined by the department, in consultation with the Provost.
3. Examination for any course can be taken only once.
4. The student wishing to take credit by departmental examination must:
  - a. receive permission from the Provost, department chair, and the faculty member currently teaching the course;
  - b. meet any eligibility requirements established by the department and approved by the Provost;
  - c. be enrolled as a degree seeking student during the semester the examination is to be taken;
  - d. have received no transfer credit or grade of audit or withdrawal in the course for which credit by departmental examination is being sought;
  - e. not have previously failed the course for which credit by examination is being sought;
  - f. receive a grade of "C" or better on the examination in order to obtain credit. Credit will be listed on the student transcript as CDE only.
5. After the examination has been taken, the Alternative Credit Opportunities form shall be filled out, signed by the department chair, and forwarded to the Registrar's Office.
6. Upon receipt of the completed form and verification of payment (the fee established by the University for credit by departmental examination), the Registrar shall enter the course title and credit earned (CDE) on the student's permanent record.

#### **E. International Baccalaureate**

Waynesburg University values the International Baccalaureate (IB) Diploma Programme and its engaging and challenging curriculum that encourages critical thinking, intercultural understanding and respect. We welcome applications from IB students.

All IB diploma students are encouraged to apply to Waynesburg University. The IB diploma or certificates in individual IB subjects may be used for admissions decisions.

English is the official language of instruction at Waynesburg University. All prospective students must demonstrate English language competency prior to admission. An international student from a non-English speaking country must submit a copy of his or her TOEFL (Test of English as a Foreign Language) score report before their application can be considered.

Waynesburg University offers a variety of scholarships that are available to both local and international IB students. For more information please visit [www.waynesburg.edu](http://www.waynesburg.edu).

Waynesburg University recognizes IB achievement by awarding credits that may be counted towards the number required for graduation and may be used to help fulfill general education requirements.

For students completing IB certificates, credit may be awarded for scores of 5 or above on standard level or higher level examinations. No more than 30 credits will be awarded for the combination of Advanced Placement (AP) Program or IB. The official International Baccalaureate transcript is required in order to award credit.

Credit and/or placement are awarded as indicated below:

Exam	Level	Credits Earned	Waynesburg University Equivalent
Language and literature:			
Language A: literature	Standard	3.0	ENG 235, Topics in Literary Studies
	Higher	3.0	ENG 235, Topics in Literary Studies
Language A: language and literature	Standard	3.0	ENG 101, College Composition I

	Higher	3.0	ENG 187, Honors College Composition I
Individuals and societies:			
Business management	Standard	3.0	MGT 205, Principles of Management
Business management	Higher	3.0	MGT 205, Principles of Management
Economics	Standard	3.0	ECO 201, Macro Economics
	Higher	3.0	ECO 201, Macro Economics
History	Standard	3.0	HIS 101, The United States to 1865
	Higher	3.0	HIS 101, The United States to 1865
Philosophy	Standard	3.0	PHL 105, Introduction to Philosophy
	Higher	3.0	PHL 105, Introduction to Philosophy
Psychology	Standard	3.0	PSY 105, Introduction to Psychology
	Higher	3.0	PSY 105, Introduction to Psychology
Social and cultural anthropology	Standard	3.0	SOC 106, Societies
	Higher	3.0	SOC 106, Societies
World Religions	Standard	3.0	BMS 306, World Religions
Sciences:			
Biology	Standard	4.0	BIO 118, Human Biology for Non-Majors
	Higher	4.0	BIO 118, Human Biology for Non-Majors
Chemistry	Standard	4.0	CHE 121, General Chemistry I
	Higher	8.0	CHE 121, General Chemistry I, and CHE 122, General Chemistry II
Computer Science	Standard	3.0	CSC 105, Introduction to Computers
	Higher	6.0	CSC 105, Introduction to Computers, and CSC 116, Computer Programming I
Physics	Standard	4.0	PHY 201, Introductory Physics I
	Higher	8.0	PHY 115, Introduction to Astronomy and Cosmology, and PHY 201, Introductory Physics I
Mathematics:			
Mathematics	Standard	4.0	MAT 211, Calculus I

	Higher	7.0	MAT 211, Calculus I, and MAT 215, Applied Statistics I
The Arts:			
Music	Standard	3.0	MUS 112, Applied Music: Individual Instruction; MUS 121, Applied Music: Group Instrumental Instruction; and MUS 122, Applied Music: Group Vocal Instruction OR any MUS survey course (to be determined by the department)
	Higher	6.0	MUS 112, Applied Music: Individual Instruction; MUS 121, Applied Music: Group Instrumental Instruction; MUS 122, Applied Music: Group Vocal Instruction; and any MUS survey course (to be determined by the department)
Theatre	Standard	3.0	One course selected from:
			THE 105, Introduction to Theatre; THE 201, Acting for the Stage I; or THE 215, Theatre History I
	Higher	6.0	Two courses selected from:
			THE 105, Introduction to Theatre; THE 201, Acting for the Stage I; or THE 215, Theatre History I
Visual arts	Standard	3.0	ART 115, Design for Art
	Higher	3.0	ART 115, Design for Art

If you would like information regarding credit eligibility for an IB examination in a subject area not listed, please contact the Registrar's Office ([registrar@waynesburg.edu](mailto:registrar@waynesburg.edu)). The Registrar, in consultation with the Department Chair, will determine if credit may be awarded.

For any additional questions or comments, please contact:

Office of Admissions  
Waynesburg University  
Telephone: 724-627-8191 or 724-852-3248  
Email: [admissions@waynesburg.edu](mailto:admissions@waynesburg.edu)

## CREDIT FOR STUDENTS PARTICIPATING IN CO-CURRICULAR ACTIVITIES

Credit for participation in co-curricular activities (e.g., varsity athletics, choir, band) must carry the recommendation of the director, instructor, or coach of that activity and be awarded during the academic year of participation.

## COURSES CALCULATED IN THE GRADE POINT AVERAGE OF THE MAJOR

The following regulations govern courses counted in the major:



1. All majors are defined with two categories of courses.
  - a. Major course requirements (courses in the disciplines required for the major — grades earned in these courses are calculated in the overall grade point average for the major).
  - b. Correlative course requirements (courses outside the discipline that are required for the major — grades earned in these courses are also calculated in the overall grade point average for the major).
2. Major courses and correlative requirements are specified by the department.
3. Courses that do not count toward a major are identified by the department.

## COURSE NUMBERING

1. Courses in which the leading number is zero, (e.g., 050), are non-degree credit courses and primarily developmental in nature.
2. Courses numbered 100 are primarily for freshmen, 200 for sophomores, 300 for juniors, 400 for seniors, 500 for graduate students, and 600 for doctoral students.
3. All 100 and 200 level courses are designated as lower division undergraduate courses.
4. Courses numbered at the 300 and 400 levels are considered upper division undergraduate courses and have a course prerequisite or require junior standing or permission of the department chair.
5. Courses at or above the 500 level or above are considered exclusively for graduate credit.
6. A single number listing for a course, (e.g., Art 105), indicates that it is a one-semester course or is given only one semester each year.
7. Courses listed with a double number, (e.g., English 187-188) and designated as a continuous course, consist of two one-semester courses, the first of which can be taken without the second, but the second of which cannot be taken without the successful completion of the first.
8. Courses listed with a double number, (e.g., History 201, History 202) and designated as semester courses, consist of two one-semester courses, either semester of which may be taken without the other.
9. The second and third digits relate to the nature of courses as follows:
  - a. X65 Internships  
X66  
X67  
X68  
X69
  - b. X87 Honors Courses  
X88
  - c. X95 Special Topics Courses  
X96
  - d. X97 Independent or Tutorial Study  
X98  
X99 Research or Project Courses
10. Independent Study. Courses numbered 197, 198, 297, 298, 397, 398, 497, and 498 are used to designate courses involving individual or tutorial study within a discipline. These individually arranged courses require prior approval by the department chair, instructor, and the Provost, and appear in the Registration Information and Schedule of Classes each term with the designation "TBA."
11. Special Topics. Courses numbered 195, 196, 295, 296, 395, 396, 495, and 496 are used to designate special topics courses taught as a class. These courses appear in the Registration Information and Schedule of Classes each term with a section designation and room assignment. The particular topic for that semester will also be listed. Where a particular topic is offered more than two terms, it must be approved as a regular course offering and be given its own course number.
12. Once a course number has been deactivated it may not be reused for a different course for a period of seven academic years.

## COURSE ROTATION

The term in which each course is offered is cited following the course description. Some courses are given only in alternate years. In such cases, the course listing is bracketed and accompanied by the indication of the year in which it is to be given, if known. All course offerings are subject to change.

# ADVERTISING

## DEPARTMENT OF COMMUNICATION

RICHARD L. KRAUSE, M.A., M.S.J., CHAIR

The advertising major at Waynesburg University is designed to examine the complex issues related to the support industry that drives much of the mass communication activity in a consumer economy. To study advertising is to study the cultural and societal factors that influence consumer behavior.

The objectives of the advertising major are to advance student skills in the areas of writing, speaking, and researching; to provide students with technical knowledge in the fields of advertising, public relations, and marketing; to develop students' critical thinking skills so that they become responsible producers and thoughtful consumers of media; and to prepare students for graduate study in fields related to advertising.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## ADVERTISING MAJOR

### Required Courses

Course			Recommended Sequence	
Department	Number	Credits	Course Title	Year/Semester
<b>Communication Core:</b>				
COM	105	3	Understanding Media.....	1
	109	3	Multimedia I .....	1
	126	3	Principles of Design.....	1
	209	3	Photography I.....	2 or 3
	211	3	News Writing and Reporting .....	2
	215	3	Web Production .....	2F or 3F
	228	3	Business and Professional Speaking .....	2 or 3
	317	3	Communication Law.....	3
	326	3	Social Media Production.....	3 or 4
	329	3	Cross Cultural Communication.....	3F
	438	3	Communication Theory and Research .....	3F or 4F
	465	3	Internship .....	4
	466	3	Practicum.....	4F
<b>Advertising Courses:</b>				
ACC	102	3	Principles of Financial Accounting.....	1S or 2S
COM	110	3	Fundamentals of Television.....	1S
	137	3	Introduction to Public Relations .....	1S or 2S
	237	3	Public Relations Writing and Production.....	2S or 3S
	308	3	Document Design .....	2 or 3
	339	3	Creativity Theory and Practice .....	3S or 4S
	399	3	Public Relations Research.....	3F or 4F
MGT	205	3	Principles of Management .....	2 or 3
MKT	205	3	Marketing.....	2 or 3
	207	3	Integrated Marketing.....	2 or 3

MKT	305	3	Sales Management .....	3 or 4
		72	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## ART

### DEPARTMENT OF FINE ARTS

ANDREW N. HEISEY, M.A., M.F.A., CHAIR

The objectives of the program are:

- to expose the student to the creative process; to provide the student with practical experience in using the tools and techniques of the visual artist;
- to develop within the individual an awareness of self, his or her own culture, and the culture of others;
- to create opportunities for the student to progress according to his or her abilities;
- to provide opportunities for the mature student to experiment and work freely after mastering basic skills so that he or she will feel a degree of responsibility for self-initiated actions before leaving the protective environment of the classroom;
- to develop the student's creativity and guide him or her in a search for meaningful content; and
- to prepare students for graduate studies.

Each incoming student, freshman or transfer, who wishes to pursue the Art Degree must:

- Attend and staff events coordinated through the Waynesburg University Fine Arts Department, Gallery receptions, Artist lectures, Performances, and Presentations,
- Prepare on campus or off campus art exhibitions working in conjunction with department representatives including Gallery set-up and tear-down of the Benedum Art Gallery, and
- Build and collect an ongoing portfolio of personal art work made in and out of classes.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## ART MAJOR

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
ART	101	3	Art to the Early Renaissance .....	1F
	102	3	Art from Early Renaissance to the Present.....	1S
	106	3	Drawing .....	1F
	115	3	Design for Art .....	1F
	116	3	Painting-Watercolor .....	2S or 3S
	117	3	Sculpture .....	4F
	118	3	Ceramics .....	3F
	125	3	Printmaking .....	2F or 3F
	126	3	Jewelry and Metals .....	4F
	305	3	Digital Art.....	3S or 4S
	306	3	Advanced Drawing .....	3 or 4
	—	12	Four additional Art courses to be selected from:	

—	—		ART 107, 108, 109, 197, 215, 217, 487 or 497 (Two must be 300-level or above)
COM	209	3	Photography I.....2
PHL	208	3	Aesthetics.....3
		51	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).

**Recommended course:**

COM	126	3	Principles of Design
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**ART MINOR****Required Courses**

Department	Course Number	Credits	Course Title
ART	101	3	Art to the Early Renaissance
	102	3	Art from Early Renaissance to the Present
	106	3	Drawing
	115	3	Design for Art
	116	3	Painting-Watercolor
	117	3	Sculpture
	118	3	Ceramics
	—	3	Any Art course or COM 209, Photography I
		24	Credits for this minor

**ART COURSE OFFERINGS****ART 101. Art to the Early Renaissance** **3 credits**

A study of the history of art beginning with prehistoric cave painting and concluding with Gothic art through the fourteenth century. The painting, sculpture, and architecture of the major Western cultures, such as Egyptian, Greek, Roman, Early Christian, Byzantine, and Islamic, are viewed and discussed. Emphasis is on art as a reflection of the culture and society that produced it. Fall

**ART 102. Art from the Early Renaissance to the Present** **3 credits**

A study of the history of art beginning with Late Gothic and concluding with twentieth-century art. The painting, sculpture, and architecture of the major Western periods and movements, such as Renaissance, Baroque, Romanticism, Impressionism, Abstraction, and Expressionism, are viewed and discussed. Emphasis is on art as a reflection of the culture and society that produced it. Students enrolling in this course need not have taken ART 101. Spring

**ART 106. Drawing** **3 credits**

A course in the fundamentals of drawing. A variety of both black and white and color media are used to draw from still life and other subjects. Class work and assignments are designed to develop visual perception, drawing skills, and personal expression.

**ART 107. History of American Art** **3 credits**

The course content will address what is uniquely American about American art through an historical survey of the major developments in American painting, architecture, and sculpture from the Colonial Period into the modern times. Spring

**ART 108. Women Artists** **3 credits**

A study of the lives and work of women artists from the Renaissance to the present. Special attention is given to the difficulties encountered by women artists in having their work recognized and shown. Emphasis is on art as a

reflection of the individual artist's culture and experience. (Offered when interest is expressed and departmental resources permit.)

**ART 109. World Art History and Studio** **3 credits**

This course provides a global view of selected Asian, African, Middle Eastern, and North and South American fine arts, decorative arts (textiles, ceramics, jewelry, etc.) and architecture. The course will use an historical approach in conjunction with an art production studio investigation of various cultures' art styles, techniques and aesthetics. Spring

**ART 115. Design for Art** **3 credits**

An introduction to the study of composition in visual art. A variety of black and white and color media are used to explore two- and three-dimensional design. A study of the elements of design (line, shape, color, value, etc.) and the principles of design (unity, movement, balance, etc.) will be used to investigate the role of composition in works of art. Students will be challenged to develop their technical skills and aesthetic sensitivity. Fall

**ART 116. Painting-Watercolor** **3 credits**

A course in the fundamentals of painting with transparent media. A study of color theory and the properties of color will prepare students to paint from still life and a variety of other subjects. Class work and assignments are designed to develop painting skills while exploring realistic, abstract, and non-representational approaches to subject matter. Spring

**ART 117. Sculpture †** **3 credits**

A course in the fundamentals of three-dimensional art. Clay is used to explore both the additive and subtractive approaches to sculpting, with an emphasis on personal expression and creative thought. Approaches to subject matter include realism, abstraction, and non-representation. Techniques for working with clay, such as slab-building, coil building, and modeling, are taught. Fall

**ART 118. Ceramics †** **3 credits**

An introduction to clay and pottery making. Wheel-throwing as well as hand-building techniques, such as coil, slab, and pinch, are taught. Emphasis is on craftsmanship and creative thought. Students will glaze work they produce and be introduced to firing techniques.

**ART 125. Printmaking †** **3 credits**

An introduction to printmaking techniques, such as relief printing, monotypes, intaglio, and silkscreen. The printmaking aesthetic is explored while relevant skills are developed. Fall

**ART 126. Jewelry and Metals †** **3 credits**

A basic studio course in the designing and fabrication of jewelry and other metal objects. Processes such as sawing, piercing, forging repoussé and chasing, dapping, riveting, doming, casting, soldering and polishing are taught. Students will be introduced to copper enameling. Emphasis is on craftsmanship and creative thought.

**ART 197. Art Exploratory** **3 credits**

An independent study from the areas of drawing, painting, ceramics, sculpture, or art history. The course is conducted by way of a contractual arrangement between the instructor and the student. Prerequisite: Approval of the department chair. (Offered when interest is expressed and departmental resources permit.)

**ART 215. Advanced Ceramics †** **3 credits**

Intensive study of either hand-building or wheel-throwing or both, according to the interests of the student. Each student will select a specified number of assignments from a menu of possibilities provided by the instructor. Prerequisite: ART 118. Spring

**ART 217. Art in the Elementary School** **3 credits**

A course designed to develop an understanding of the need and purpose of art at the elementary school level. Students will learn techniques and methods used in teaching art. Studio experiences along with lecture, discussion, and written work will help students to understand ways children learn through meaningful art experiences. Spring

**ART 305. Digital Art** **3 credits**

This course concentrates on the creation of Fine Art using various forms of digital media. Students develop creative and critical thinking skills while using Adobe Photoshop, Adobe Illustrator, and other digital platforms. Pre-requisite: COM 126. (Offered when interest is expressed and departmental resources permit.)

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† indicates a special fee is charged

**ART 306. Advanced Drawing****3 credits**

An intensive study of drawing techniques to better understand the human figure, landscape, and still life drawing. Class work and assignments are designed to further develop visual perception, drawing skills, and personal expression. Prerequisite: ART 106. (Fall of odd numbered years)

**ART 475. Advanced Faith and Learning Integration****3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**ART 487. Honors Course****3 credits**

Independent study in an area of specific interest to the student. The course is conducted by way of a contractual arrangement between the instructor and the student. Open only to junior and senior art majors or arts administration (visual arts option) majors with an art average of B or better. Prerequisite: Approval of the department chair. (Offered when interest is expressed and departmental resources permit.)

**ART 195, 295, 395, 495. Special Topics****3 credits**

A course to address an area of particular interest to students and faculty members or the expertise of a visiting professor. Depending upon the content of the course, a lecture/discussion format, a project format, or a combination will be used. Not to be used for independent study purposes. (Offered when interest is expressed and departmental resources permit.)

**ART 499. Senior Art Exhibition****1 credit**

A capstone experience in which the senior student majoring in either Art or Arts Administration (Visual Arts Option) will prepare an exhibition of his or her best work completed while a student at the University. The students will be responsible for installing the exhibition in the gallery and hosting an opening reception, to which the public and the college community are invited. In addition, the student will collaborate with the gallery manager in planning and promoting the exhibition.

## BIBLICAL AND MINISTRY STUDIES

DEPARTMENT OF HUMANITIES

KAREN FISHER YOUNGER, PH.D., CHAIR

The goal of the Biblical and Ministry Studies major is to provide lay and ordained leadership for the Church of Jesus Christ in the service of the world. The approach will be academically rigorous, inherently practical, ecumenical, and non-sectarian in character. Graduates may exercise leadership in a variety of settings: congregations, college campuses, schools, community-based agencies, international mission fields, medical and/or military settings. Students may utilize the Religion and Philosophy Option to prepare for theological seminary in view of ordained ministry or for university graduate study in religious studies or philosophy. Students who complete some options (children and youth, Christian mission, or media) may combine them with other major and minor academic programs. Students who complete those same options will contribute to more facets of church ministry and/or will find greater vocational flexibility when they complete one or more additional ministry skill areas (see options).

Learning objectives of the major will be fulfilled when our students:

- master Biblical content commensurate with an undergraduate level of study;
- employ various scholarly methods for investigating the Bible that results in critical thinking and writing about the sacred text, its multiple literary forms, the historical setting out of which it arises, the history of its interpretation and its application in our world today;
- acquire a competence to articulate the doctrines of various historically Christian theological and ecclesiastical traditions;

- analyze the relationship between Christian faith and other major world religions;
- utilize domestic and international mission experiences as laboratories for learning the content of the Bible, for reflection on personal ministry formation, and for the analysis of and engagement with pressing global and social concerns;
- practice and hone written and oral communication skills for professional competence in ministry or in preparation for theological seminary;
- engage in substantive reflection on the relationship between theory and practice in the various options (children and youth, drama, media, and international missions);
- integrate critical reading, academic analysis, and professional skill development with the performance of ministry in congregations or campus ministries while they are enrolled in the departmental practicum and in the disciplinary internship;
- develop a personal mission statement that articulates application of a worldview consistent with the many expressions of historic Christianity;
- cooperate with the Office of the Chaplain of the University to provide student leadership for campus and community ministry for the purpose of personal spiritual formation; and
- satisfy the recommendations of the Association of Theological Schools for admission to seminary or divinity school when they complete the religion and philosophy major.

While Biblical and Ministry Studies offer a variety of academic options, it also includes courses that fulfill the University's General Education Requirements. These courses examine the scriptures and the history of their interpretation from the multiple perspectives of content, methodology, interpretation, and application. In keeping with the spirit of liberal education, these courses are not intended to indoctrinate students nor disparage their religious commitments. Such courses will expect, however, that while students are engaged in the academic study of Christian faith, they will give thought to personal questions and may find answers to some of those questions within the framework of their growing knowledge. Biblical and Ministry Studies courses at Waynesburg University seek to provide students with a clearer and deeper understanding of the nature of Christian faith within the context of open inquiry.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## BIBLICAL AND MINISTRY STUDIES MAJOR (CHILDREN AND YOUTH MINISTRY OPTION)

### Required Courses

Department	Course		Course Title	Recommended Sequence	
	Number	Credits		Year/Semester	
BMS	105	3	Introduction to the Old Testament .....	1F	
	106	3	Introduction to the New Testament .....	1S	
	201	3	Historical Theology .....	2F or 3F	
	202	3	Christian Theology .....	2S or 3S	
	227	3	History of Christianity in America.....	2S or 3S	
	228	3	Western European Church History to Reformation .....	2F or 3F	
	307	3	Youth Ministry.....	3S or 4S	
	308	3	Teaching the Bible.....	3S or 4S	
	366	3	Church Leadership Practicum .....	3	
	465	6	Internship .....	4	
	499	1	Portfolio Review .....	4	



BMS	—	12	Four courses to be selected from BMS ..... 1, 2, 3 or 4
	—		
	—		
COM	228	3	Business and Professional Speaking ..... 1
ENG	—	3	One course to be selected from: ..... 2, 3 or 4 ENG 305, 329, 345, 358, or 359
PSY	105	3	Introduction to Psychology ..... 1
	201	3	Developmental Psychology: Birth to Twelve Years ..... 2F
	202	3	Developmental Psychology: The Adolescent..... 2S or 3S
	206	3	Adjustment ..... 2S, 3S, or 4S
	209	3	Exceptional Individual ..... 2S, 3S, or 4S
SLR	106-306	1-3	SLR Mission and Service Trips ..... 1, 2, 3, or 4
SOC	105	3	Principles of Sociology ..... 1
	306	3	The Family ..... 3S or 4S
	74-76		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).

**Recommended Course:**

MUS	108	3	Survey of Music in Worship
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## BIBLICAL AND MINISTRY STUDIES MAJOR (CHRISTIAN MISSION OPTION)

**Required Courses**

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BMS	105	3	Introduction to the Old Testament .....	1F
	106	3	Introduction to the New Testament .....	1S
	201	3	Historical Theology .....	2F
	202	3	Christian Theology .....	2S
	227	3	History of Christianity in America.....	2S or 3S
	228	3	Western European Church History to Reformation .....	2F or 3F
	306	3	World Religions.....	3F or 4F
	308	3	Teaching the Bible.....	3S or 4S
	325	3	Contemporary Issues in Missiology.....	3F or 4F
	366	3	Church Leadership Practicum .....	3
	465	6	Internship.....	4
	499	1	Portfolio Review.....	4
	—	9	Three courses to be selected from BMS.....	1, 2, 3 or 4
	—			
COM	228	3	Business and Professional Speaking .....	1
	236	3	Cross-Cultural Communication .....	2F or 3F
ENG	—	3	One course to be selected from: .....	2 to 4 ENG 305, 329, 345, 358, or 359
HIS	206	3	Twentieth-Century World History and Culture.....	2
INT	105	3	World Poverty and World Development .....	1
POL	105	3	American National Government .....	1 or POL 106, Introduction to Politics
	309	3	International Relations .....	3

SLR	106-306	1-3	SLR Mission and Service Trips .....	1 to 4
SOC	106	3	Societies .....	1
	205	3	Social Problems .....	2
	307	3	Minority Relations .....	3
	77-79		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

**Recommended Course:**

MUS	108	3	Survey of Music in Worship
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## BIBLICAL AND MINISTRY STUDIES MAJOR (MEDIA MINISTRY OPTION)

**Required Courses**

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
AAD	205	3	Sound, Projection, and Lighting .....	1S or 3S
BMS	105	3	Introduction to the Old Testament .....	1F
	106	3	Introduction to the New Testament .....	1S
	201	3	Historical Theology .....	2F
	202	3	Christian Theology .....	2S
	227	3	History of Christianity in America.....	2S or 3S
	228	3	Western European Church History to Reformation .....	2F or 3F
	308	3	Teaching the Bible.....	3S or 4S
	366	3	Church Leadership Practicum .....	3
	465	6	Internship .....	4
	499	1	Portfolio Review .....	4
	—	12	Four courses to be selected from BMS .....	1, 2, 3 or 4
	—			
	—			
COM	101	3	Introduction to Electronic Media .....	1
	105	3	Understanding Media .....	1
	110	3	Fundamentals of Television .....	1
	126	3	Principles of Design .....	3
	219	3	Digital Illustration .....	2
	228	3	Business and Professional Speaking .....	1
	302	3	Television Studio Production .....	3
	319	3	Multimedia I: Theory and Practice .....	3
	419	3	Advanced Multimedia .....	4
ENG	—	3	One course to be selected from: .....	2 to 4
			ENG 305, 329, 345, 358, or 359	
SLR	106-306	1-3	SLR Mission and Service Trips .....	1, 2, 3, or 4
	77-79		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

**Recommended Course:**

MUS	108	3	Survey of Music in Worship
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## BIBLICAL AND MINISTRY STUDIES MAJOR (RELIGION AND PHILOSOPHY OPTION)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BMS	105	3	Introduction to the Old Testament .....	1F
	106	3	Introduction to the New Testament .....	1S
	201	3	Historical Theology .....	2F or 3F
	202	3	Christian Theology .....	2S or 3S
	227	3	History of Christianity in America.....	2S or 3S
	228	3	Western European Church History to Reformation .....	2F or 3F
	306	3	World Religions.....	3F or 4F
	308	3	Teaching the Bible.....	3S or 4S
	325	3	Contemporary Issues in Missiology.....	3F or 4F
	366	3	Church Leadership Practicum .....	3
	465	6	Internship .....	4
	499	1	Portfolio Review .....	4
	—	12	Four courses to be selected from BMS .....	1, 2, 3 or 4
	—			
	—			
COM	228	3	Business and Professional Speaking .....	1
ENG	—	3	One course to be selected from: .....	2 to 4
			ENG 305, 329, 345, 358, or 359	
PHL	105	3	Introduction to Philosophy .....	1 or 2
	106	3	Logic.....	1 or 2
	205	3	Ethics .....	2 to 4
	209	3	Philosophy of Religion .....	2 to 4
	215	3	Science and Faith.....	2 to 4
	—	3	One course to be selected from PHL.....	2 to 4
SLR	106-306	1-3	SLR Mission and Service Trips .....	1 to 4
		74-76	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

### Recommended Course:

MUS	108	3	Survey of Music in Worship
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## BIBLICAL AND MINISTRY STUDIES MINOR

### Required Courses

Department	Course Number	Credits	Course Title
BMS	105	3	Introduction to the Old Testament
	106	3	Introduction to the New Testament
	—	12	Four courses to be selected from BMS
	—		
	—		
	—	18	Credits required for this minor

## BIBLICAL AND MINISTRY STUDIES COURSE OFFERINGS

- BMS 105. Introduction to the Old Testament** **3 credits**  
 This course introduces students to the Old Testament as history, literature, and sacred story. An introduction to each book of the canon and Apocrypha/deuterocanon will be given in the course.
- BMS 106. Introduction to the New Testament** **3 credits**  
 This course introduces students to the New Testament as history, literature, and sacred story. An introduction to each book of the canon will be given in the course.
- BMS 201. Historical Theology** **3 credits**  
 Students will trace the historical development of Christian dogma, rooted in the writing of the Early Church “Fathers”; Medieval and Scholastic divines; Reformation thinkers, Counter-Reformation theologians, and Radical Reformers; and Recent Western Theological Movements (Liberal Protestantism, Neo-Orthodoxy, Political Theology, Modern and Post-modern influences). Prerequisites: BMS 105 and 106, or by permission of the department chair. (Fall of even numbered years)
- BMS 202. Christian Theology (formerly BMS 202, Constructive Theology)** **3 credits**  
 Students will construct statements of faith (credos) as they contrast the main doctrines of different historically Christian traditions: Trinity, Creation/Fall/Providence, Christology, Pneumatology, Christian Theological Anthropology, Ecclesiology, Soteriology, Eschatology/Consummation, General and Special Revelation. Prerequisite: BMS 105 and 106. (Spring of odd numbered years)
- BMS 205. Hebrew Prophets** **3 credits**  
 This course will survey the background, context, and issues relevant to each of the books of the Old Testament prophetic literature. Students will research the primary resources and explore various issues of biblical scholarship within the limits of the English Bible. Prerequisite: BMS 105 or 106. (Offered when interest is expressed and departmental resources permit.)
- BMS 206. The Life and Teachings of Jesus (formerly BMS 206, The Historical Jesus)** **3 credits**  
 This course will examine the various ways that the life and teachings of Jesus are depicted in the Gospels. Attention will be given to the various ways that Jesus has been understood and interpreted in the Gospels and by looking at historical and modern scholarship regarding the Gospel texts. Prerequisite: BMS 106. (Fall of odd numbered years).
- BMS 209. Philosophy of Religion (Cross-listed as PHL 209)** **3 credits**  
 A philosophical reflection on religious experience and conceptions of the divine. Topics to be discussed include: the existence of God, faith and reason, religious language and symbolism, and the religious situation in our time. Reading from both classical and contemporary authors. (Offered when interest is expressed and departmental resources permit.)
- BMS 215. Science and Faith (Cross-listed as PHL 215)** **3 credits**  
 This course will consider many of the important issues in the relation of science to faith. The central issue will be the implications of Darwinian evolution for faith but will also consider some of the wider implications for faith from this touchstone. For example: Are science and faith compatible? If God is God then why is there such apparent waste and cruelty in nature? Students will develop a coherent theology of nature in response to Darwin’s challenge. (Offered when interest is expressed and departmental resources permit.)
- BMS 225. The Ministry and Literature of Paul** **3 credits**  
 This course will allow students to examine the life, ministry, and teachings of Paul in greater detail. Students will study and exegete the Pauline writings in the New Testament. Attention will be given to the study of historical context, theories of interpretation, and Pauline theology. Prerequisite: BMS 106. (Spring of even numbered years)
- BMS 227. History of Christianity in America (Cross-listed with HIS 227)** **3 credits**  
 This course explores the history of Christianity in the United States, from its introduction by the Anglicans of Jamestown and the Pilgrims and Puritans of the Massachusetts Bay Colony to the twenty-first century. The course will explore important theological developments that have shaped Christianity in America, including revivalism, millennialism, the Holiness movement, Pentecostalism, Fundamentalism, the Social Gospel movement, and the Christian Right; as well as the role of Christian commitments in important political movements such as Abolition, Temperance, and Civil Rights. (Spring of odd numbered years)
- BMS 228. Western European Church History to the Reformation** **3 credits**  
 (Cross-listed with HIS 228)

This course will explore the persecution of the early church, the legalization of Christianity in 313 AD, the seven ecumenical Councils, monasticism, the missionary efforts of the early medieval church, the Great Schism, the cultural achievements of the Later Medieval church, and the efforts of Zwingli, Luther, and Calvin during the Protestant Reformation. (Fall of even numbered years)

**BMS 306. World Religions** **3 credits**

By means of readings, films, field trips, group discussions, lectures, and expressive and research papers, the course introduces students to the experiential phenomena of selected major world religions. A typical selection is Judaism, Islam, Hinduism, and Buddhism. Prerequisite: BMS 105 or 106. (Spring of odd numbered years)

**BMS 307. Youth Ministry** **3 credits**

A study of biblical principles in establishing and maintaining a ministry to adolescents. Emphasis is placed upon a system of philosophy and general principles for adolescent ministry. Special attention is given to developing a youth ministry mission statement, objectives, and strategy. (Spring of odd numbered years)

**BMS 308. Teaching the Bible** **3 credits**

This course is an introduction to theories and practices regarding teaching the Bible. Students will learn to incorporate responsible methods of biblical interpretation for teaching and preaching. Student will develop skills that assist in sermon and teaching preparation, delivery, public speaking, and the process of receiving feedback. This course will also guide students to discover a variety of homiletic styles, from both historical and modern teacher and pastors. (Spring of even numbered years)

**BMS 317. Psychology of Religion (Cross-listed as PSY 317)** **3 credits**

This course is designed to help the student understand the ways in which individual and social psychology and the process of spiritual growth influence one another. The student will understand how people develop spiritually, and how psychology can help to encourage this growth. Both spiritual and psychological authors are included in the reading. This course is intended to encourage individual thought and to aid in the students' struggle to maintain faith while learning this science. Prerequisite: PSY 105. (Spring of even numbered years)

**BMS 319. Religion in America (Cross-listed as SOC 319)** **3 credits**

The course will examine the context of religion both in concept and in its practical sequences for individuals and public institutions within American society. Material will emphasize the role or effect of religion upon American life and culture and the impact of the social environment upon various American religious traditions. Prerequisite: BMS 105 or 106. (Offered when interest is expressed and departmental resources permit.)

**BMS 325. Contemporary Issues in Missiology** **3 credits**

Students will engage in theological reflection on the mission of the church, and learn about various historical and contemporary mission strategies. Students will identify and articulate their responses to contemporary issues faced by Christian missionaries in cross-cultural contexts, such as emerging postmodern perspectives, cultural and religious pluralism, global poverty and economic disparities, gender issues, and balancing evangelism with socio-economic development. Practical realities of missionary life will be explored through case studies. Prerequisite: BMS 105 or 106 or permission of the department chair. (Fall of even numbered years)

**BMS 366. Church Leadership Practicum** **3 credits**

In this course, students will engage in a minimum of 50 clock hours of church or campus-related ministry. Students may be placed in various churches or para-church organizations in the region under careful on-site supervision. Students may also be placed in leadership positions in University Campus Ministries under the supervision of the Chaplain of the University. In the process of professional skill development in the performance of ministry, students will integrate critical reading and academic analysis in the various areas of ministry defined by the BMS major programs: pastoral ministry, children and youth, drama, international missions, and media. To enroll in this course, students must have junior standing in one of the BMS options or permission of the department chair.

**BMS 395. Special Topics** **3 credits**

An in-depth investigation of a current topic in religion, such as the thought of a religious leader, the study of a theological or religious issue, or a religious movement. A special topics course in BMS may also include the study of a biblical language or topic or period in church history of Christian theology. (Offered when interest is expressed and departmental resources permit)

**BMS 465. Internship** **6 credits**

Students will engage in an exceptional experiential learning experience as a para-professional in the ministry of the church. Written requirements for these internships include a final paper where students must engage in reflective self-

assessment and relate the experience to previous classroom learning/theory in the particular ministry studies option. All students in this course will keep a daily reflective journal upon which mid-term and final grades will be based. In addition, all students who complete this course will make public oral presentations of their learning and findings. An additional learning outcome specific to this course is that students will develop a personal mission statement that articulates application of a worldview consistent with the many expressions of historic Christianity. Students will invest 35 clock hours per academic credit, for a total of 210 clock hours during the semester in which they are enrolled. To enroll in this course, students must have junior or senior standing in one of the BMS options or the permission of the department chair.

**BMS 475. Advanced Faith and Learning Integration**

**3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Ordinarily, students would relate their academic majors to the Biblical tradition in the research and composition of a major, publish-ready paper. Minimum requirements will be at least one meeting per week between the student and the supervisory professor. The course is limited to students who have completed at least three credits in Biblical and Ministry Studies and who have accumulated at least a 3.00 grade point average. Interested students must take initiative to seek out instruction for the course prior to the pre-registration period from both their academic advisors and the Chair of the Biblical and Ministry Studies major program. The faculty advisors will ordinarily be the instructors of record and will provide the on-going supervision of the course. Ordinarily, both the faculty advisors of the students and the Chair of the Biblical Studies and Ministry Studies major program will read the paper. An average of the grades determined by these members of the faculty will be recorded in the students' transcripts. Upon completion of the project, the faculty member and student will arrange an oral presentation of the results to the campus community. When BMS majors take the course, and academic advisor will supervise the course and grade the paper. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**BMS 195, 295, 395, 495. Special Topics**

**3 credits**

**BMS 497. Independent Study**

**3 credits**

A carefully supervised study of topics and issues in BMS beyond the other course offerings. Normally, the independent study would be taken by only those students who have previously accumulated at least six credits in BMS. Students who enroll in the course must have at least a 3.00 grade point average. Interested students must take initiative to seek out instruction for the course prior to the pre-registration period. No more than six credits may be accumulated toward the BMS minor. Minimum requirements will be at least one meeting per week between the student and the supervisory professor. (Offered when interest is expressed and departmental resources permit.)

**BMS 499. Portfolio Review**

**1 credit**

Under supervision of an appropriate faculty member, the student will create a portfolio of work accomplished within one's chosen option. This portfolio will be reviewed and evaluated. Required of all BMS majors in the second semester of the senior year. Spring

## BIOLOGY

DEPARTMENT OF BIOLOGY, ENVIRONMENTAL SCIENCE, AND HEALTH SCIENCE  
CHRISTOPHER A. CINK, PH.D., CHAIR

The Biology programs provide a wide range of courses and many opportunities to learn about the study of life and living organisms. Students completing a degree in Biology are prepared for the pursuit of exciting and fulfilling careers in fields such as medicine, physical therapy, secondary teaching, and research in the biological sciences. Biological core courses provide a strong background in structural, biochemical, and biophysical mechanisms of function. The core courses also emphasize critical thinking and the scientific method. Students develop an understanding of not only what science has learned, but the process of scientific enquiry. These tenets are emphasized throughout the curriculum and are reinforced in a "capstone" experience, the Senior Research Project.

In addition to the traditional Biology program, majors choose from a number of different options. Students interested in professional careers in medicine and dentistry (see page 246 for program requirements) will fulfill prerequisites needed to be considered for application to accredited medical/dental schools and to sit for the appropriate test (e.g., MCAT). Students pursuing Marine Biology (see page 213) have special requirements.

Students seeking Secondary Education certification in Biology and General Science must complete the extensive list of science and education courses for the Biology Major (Secondary Education Option — Bachelor of Science) degree. However, students seeking Secondary Education certification without the General Science option can complete the Biology Major (Secondary Education Option — Bachelor of Arts). Regardless of which option a student elects to follow, the demand for high quality high school education around the country continues to grow.

An increasingly important area of science is the study of the interface between humans and the environment. The Environmental Science Major (see page 176) provides students with the necessary tools to pursue employment or graduate school opportunities in those areas.

Students must maintain a cumulative GPA of 2.50 or higher in the major in order to progress to the junior year and senior year. All required courses in the major must be completed with a grade of C- or higher, and a student may repeat a required course no more than once.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## BIOLOGY MAJOR (BACHELOR OF ARTS)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
	201	4	Invertebrate Zoology.....	2F
	202	4	Vertebrate Zoology .....	2S
	209	4	General Botany .....	2F or 3F
	—	4	One course to be selected from: BIO 305 or ENG 117	
	—	8	Two courses to be selected from: BIO 207, 215, 315	
	—			
CHE	406	4	Genetics .....	4S
	465	3	Biology Internship or BIO 498, Capstone Research Project or BIO 499, Capstone Research Seminar	
	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	122	3	General Chemistry II .....	2S
	122L	1	Laboratory for General Chemistry II .....	2S
COM	207	4	Organic and Biochemical Concepts .....	2F or 3F
	228	3	Business and Professional Speaking .....	1
MAT	205	4	Functions and Trigonometry .....	2
PHY	105	3	Basic Physics .....	1S
		61	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## BIOLOGY MAJOR (BACHELOR OF SCIENCE)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
	201	4	Invertebrate Zoology.....	2F
	202	4	Vertebrate Zoology.....	2S
	209	4	General Botany.....	2F or 3F
	215	4	Microbiology.....	3S
	406	4	Genetics.....	4S
	498	1-2	Capstone Research Project.....	4F & 4S
	499	3	Capstone Research Seminar.....	3S, 4F & 4S
	—	6	Six additional credits in Biology	
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	122	3	General Chemistry II.....	2S
	122L	1	Laboratory for General Chemistry II.....	2S
	211	4	Organic Chemistry I.....	3F
	212	4	Organic Chemistry II.....	3S
COM	228	3	Business and Professional Speaking.....	1
CSC	105	3	Introduction to Computers.....	1F
ENG	305	3	Research Writing Skills.....	3S
MAT	211	4	Calculus I.....	1S
	215	3	Applied Statistics I.....	2
PHY	201	4	Introductory Physics I.....	3F
	202	4	Introductory Physics II.....	3S
	78-80		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## BIOLOGY MAJOR (PRE-DENTAL, PRE-MEDICAL, PRE-PHARMACY, AND PRE-VETERINARY OPTION)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
	201	4	Invertebrate Zoology.....	2F
	202	4	Vertebrate Zoology.....	2S
	206	4	Human Anatomy.....	1 or 2
	207	4	Human Physiology.....	3
	215	4	Microbiology.....	3S
	315	4	Cell and Molecular Biology.....	4F
			or BIO 326, Histology and Molecular Biology	
	321	3	Biochemistry I.....	4F
	321L	1	Biochemistry Laboratory.....	4F
	406	4	Genetics.....	4S



BIO	498	1-2	Capstone Research Project.....	4F & 4S
	499	3	Capstone Research Seminar.....	3S, 4F & 4S
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	122	3	General Chemistry II .....	2S
	122L	1	Laboratory for General Chemistry II .....	2S
	211	4	Organic Chemistry I.....	2F
	212	4	Organic Chemistry II .....	2S
COM	228	3	Business and Professional Speaking .....	1
CSC	105	3	Introduction to Computers .....	1
MAT	211	4	Calculus I.....	1
	215	3	Applied Statistics I.....	2 or 3
PHY	201	4	Introductory Physics I.....	3F
	202	4	Introductory Physics II.....	3S
		83	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

#### Recommended Courses

BIO	407	3	Neurophysiology
CHE	311	4	Analytical Chemistry
ECO	—	3	Any Economics course
ENG	206	3	Advanced Expository Writing
PSY	105	3	Introduction to Psychology
SOC	105	3	Principles of Sociology

### BIOLOGY MAJOR (SECONDARY EDUCATION OPTION — BACHELOR OF ARTS)

#### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
	201	4	Invertebrate Zoology.....	2F
	202	4	Vertebrate Zoology .....	2S
	209	4	General Botany .....	2F or 3F
	305	4	Ecology .....	2F or 3F
	406	4	Genetics .....	3S
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	122	3	General Chemistry II .....	2S
	122L	1	Laboratory for General Chemistry II .....	2S
	207	4	Organic and Biochemical Concepts .....	2F or 3F
COM	228	3	Business and Professional Speaking .....	2
EDU	107	3	Technology in Education .....	2S
	115	3	Introduction to Middle Level and Secondary Education.....	1F
ENG	215	3	Language and Teaching of the English Language Learner.....	3S
	316	3	Adolescent Literacy .....	2S
MAT	108	3	Intermediate Algebra .....	1F
	205	4	Functions and Trigonometry .....	1S
PHY	105	3	Basic Physics .....	3F

PSY	202	3	Developmental Psychology: Adolescent.....	3S
SED	206	3	Secondary Educational Psychology .....	2F
	305	3	Secondary Curriculum .....	3F
	306	3	Secondary Science Methods .....	2F or 3F
	405	2	Secondary Student Teaching Practicum.....	4
	406	2	Secondary Student Teaching Seminar .....	4
	407	12	Secondary Student Teaching.....	4
SLR	107	1	Service Learning for Education .....	3S
SPE	209	3	Introduction to Exceptional Individuals.....	1S
	316	3	Assessment in the Inclusive Classroom .....	3F
	325	3	Instructional Strategies in the Inclusive Classroom .....	3S
		103	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## BIOLOGY MAJOR (SECONDARY EDUCATION OPTION — BACHELOR OF SCIENCE)

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
BIO	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
	201	4	Invertebrate Zoology.....	2F
	202	4	Vertebrate Zoology .....	2S
	209	4	General Botany .....	2F or 3F
	305	4	Ecology.....	2F or 3F
	406	4	Genetics .....	3S
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	122	3	General Chemistry II .....	2S
	122L	1	Laboratory for General Chemistry II .....	2S
	207	4	Organic and Biochemical Concepts .....	3F
COM	228	3	Business and Professional Speaking .....	3
EDU	107	3	Technology in Education .....	2S
	115	3	Introduction to Middle Level and Secondary Education.....	1F
ENG	215	3	Language and Teaching of the English Language Learner.....	3S
	316	3	Adolescent Literacy .....	2S
GLG	106	4	Physical Geology and Oceanography .....	2F
	107	4	Basic Meteorology and Space Science .....	2S
MAT	108	3	Intermediate Algebra .....	1F
	205	4	Functions and Trigonometry.....	1S
PHY	201	4	Introductory Physics I.....	3F
	202	4	Introductory Physics II.....	3S
PSY	202	3	Developmental Psychology: Adolescent.....	2S
SED	206	3	Secondary Educational Psychology .....	2F
	305	3	Secondary Curriculum .....	3F or 4F
	306	3	Secondary Science Methods .....	3F or 4F
	405	2	Secondary Student Teaching Practicum.....	4F
	406	2	Secondary Student Teaching Seminar .....	4F
	407	12	Secondary Student Teaching.....	4F
SLR	107	1	Service Learning for Education .....	3S

SPE	209	3	Introduction to Exceptional Individuals.....	1S
	316	3	Assessment in the Inclusive Classroom .....	3F
	325	3	Instructional Strategies in the Inclusive Classroom .....	3S
	116		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## BIOLOGY MINOR

### Required Courses

Department	Course		Course Title	
	Number	Credits		
BIO	121	4	Principles of Biology I	
	122	4	Principles of Biology II	
	—	3	Any 200-level or higher Biology course	
	—	3	Any 200-level or higher Biology course	
	—	3	One course to be selected from: BIO 209, 305, 307, 315, 406	
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	122	3	General Chemistry II .....	2S
	122L	1	Laboratory for General Chemistry II .....	2S
		25	Credits for this minor.	

## BIOLOGY COURSE OFFERINGS

### **BIO 105. Medical Terminology** **2 credits**

A course designed to acquaint the student with terminology relating to basic anatomy and physiology of body systems. The student will learn to analyze the components of medical terms and recognize their meaning at a glance. Does not count as a General Education requirement in science.

### **BIO 106. Introduction to Marine Biology** **3 credits**

This course discusses the various types of marine ecosystems, how they are formed, and how they function. Additionally, students survey the diverse array of organisms found in these systems and explore the kinds of research being conducted in each sub-discipline of this area of study. Finally, students consider impacts of human activity on marine ecosystems and discuss conservation issues as they apply. This course does not meet a General Education Requirement in lab science. (Spring of odd numbered years)

### **BIO 117. Introduction to Environmental Science (cross-listed with ENV 117)** **4 credits**

This course is an introduction to the study of issues in environmental science and is intended for students in the environmental science major, the environmental studies minor, and non-majors. Topics include: Ecology, Biodiversity, Environmental Policy and Law, Environmental Ethics, Sustainability, Overpopulation and Consumption, Agriculture and Food, Soil Science, Geology, Global Climate Change, Environmental Health, air and water pollution, and Energy Resources. A major goal of the course is to develop an understanding of how daily actions and attitudes regarding the environment may affect the future of our society. Environmental science majors should take this course in their 1<sup>st</sup> or 2<sup>nd</sup> semester of study. Three hours of lecture and one two-hour laboratory each week.

### **BIO 118. Human Biology for Non-Majors** **4 credits**

An introductory course which provides the student with the opportunity to study the beauty, the harmony, and the complexity of the human organism. Topics will include food processing and nutrition, circulation, reproductive patterns, respiration, excretion, and neural and chemical control and integration of behavior. Three hours of lecture and one two-hour laboratory each week. (Not counted toward a major in Biology).

### **BIO 121-122. Principles of Biology I and II** **4-4 credits**

An introductory course presenting basic principles of modern biology. BIO 121 topics include chemistry of life, cells, cellular respiration, photosynthesis, ecology, mitosis, meiosis and heredity. Fall. BIO 122 is a course continuing the study of living organisms and processes. Topics include DNA structure and function, DNA replication, transcription, translation, gene expression, biotechnology, evolution, biology of simple organisms, diversity of form and function in

plants and animals, regulation and growth. Three one-hour lectures and one three-hour lab each week. Prerequisite: BIO 121. Spring. BIO 121 and 122 is required of all Biology majors.

**BIO 201. Invertebrate Zoology** **4 credits**

A survey of the invertebrates including taxonomy, structural and functional adaptations and evolutionary trends.

Prerequisite: BIO 121-122. Three hours of lecture and one three-hour laboratory each week. Fall

**BIO 202. Vertebrate Zoology** **4 credits**

Phylogeny, comparative anatomy and function of the chordates. Natural history and behavior of selected vertebrates.

Three hours of lecture and one three-hour laboratory each week. Prerequisites: BIO 121 and 122. Spring

**BIO 206. Human Anatomy** **4 credits**

This is an introductory course in the study of human structure. Lectures will address basic morphology and histology of skeletal, muscular, nervous, cardiovascular, respiratory, urogenital, digestive and endocrine systems. Three hours of lecture and one three hour laboratory each week.

**BIO 207. Human Physiology** **4 credits**

The study of human function from the cellular level to systemic interactions, from acid-base balance to urine production. Where possible, clinical and pathological examples will be incorporated for practical correlation.

Prerequisite: BIO 206. Three hours of lecture and one three-hour laboratory each week.

**BIO 209. General Botany (cross-listed with ENV 209)** **4 credits**

This course is an introduction to plant biology and the importance of plants to human society. Topics include plant structure, physiology, reproduction, diversity, plant identification, and ethnobotany, economic botany, and ecology.

Three hours of lecture and one three-hour laboratory period each week. Prerequisites BIO 121-122. Fall

**BIO 215. Microbiology** **4 credits**

The study of microorganisms with particular emphasis on bacteria and viruses. Topics discussed include: form and function, life cycles, pathogenicity, antimicrobial agents, methods of control, host defense and major infectious disease.

Two hours of lecture and two two-hour laboratory periods each week. Biology majors are encouraged to take this course during the spring semester. Prerequisites: BIO 121-122 recommended.

**BIO 216. Kinesiology** **3 credits**

The study of human movement provides a foundation for critical analysis of physical activity. Both qualitative and quantitative principles of anatomy, physics and mathematics will be applied towards a better understanding of how muscle contraction yields coordinated skeletal movements (special emphasis will be placed on sport-related activities).

Prerequisites: BIO 206 and PHY 105 (or PHY 201). Fall

**BIO 217. Environmental Ethics and Sustainability (Cross-listed as ENV 217 and PHL 217)** **2 credit**

This seminar course focuses on past and present human philosophies on nature, Creation Care, and the environment. It applies these philosophies to address current environmental issues in our society. The course will apply environmental ethics to the design of local environmental projects to address campus and community sustainability. Two hours of lecture per week. Prerequisite: ENV 117. (Spring of odd numbered years)

**BIO 305. Ecology** **4 credits**

A study of basic ecological principles and concepts with emphasis on species' interactions and natural history. Human interactions with the environment will be studied as well as natural communities. Three hours of lecture and one three-hour laboratory period or field trip each week. Prerequisites: BIO 121-122 and any combination of CHE or GLG, one year. Fall

**BIO 307. Entomology** **4 credits**

An introduction to the biology of insects including taxonomy, morphology, physiology, behavior, ecology, and economic importance and management. The course is supplemented with several field trips and a carefully prepared collection required from each student. Three hours of lecture and one three-hour period each week for laboratory or field work. Prerequisites: BIO 121-122. (Offered when interest is expressed and departmental resources permit.)

**BIO 308. Field Botany Without Borders (cross-listed as ENV 308)** **4 credits**

This course provides students with an understanding of why plants are important to the sustainability of our human society and how plants cross the borders of time, geography, and biological disciplines. We will discuss plant form, function and evolution, learn to identify local flora and invasive species, explore ethnobotany, apply methods of ecological restoration and evaluate impacts of climate change. Field trips and special projects will focus how we utilize plants in our modern world including our use in food, fibers, medicinals and energy, and current efforts to sustain native ecosystems. (Fall of even numbered years)

**BIO 315. Cell and Molecular Biology****4 credits**

This course focuses on the structure and function of animal cells including the theories, methods, and techniques used in the study and analysis of gene structure, organization, and function. The major topics are: gene structure and function, DNA replication and repair, nuclear organization and transport, protein transport, cell signaling, cell cycle regulation, and the molecular biology of cancer. Lab includes current molecular biology techniques for gene analysis. Three hours of lecture and one three-hour laboratory each week. Prerequisites: BIO 121-122; CHE 121, 122 or 206. Fall

**BIO 316. Immunology****3 credits**

This course focuses on how multicellular organisms defend themselves against disease. Immunology is an all-encompassing science that includes aspects of anatomy, physiology, microbiology, cellular and molecular biology, and genetics. Prerequisites: BIO 121 and 122. (Spring of odd numbered years)

**BIO 317. Physiology of Exercise****3 credits**

An in-depth study of human physiological response to exertional stress. Emphasis will be on neuromuscular, cardiovascular and respiratory systems as well as overall metabolism and thermal regulation. Some participatory demonstrations will be included. Three hours of lecture. Prerequisites: BIO 206 and 207. Spring

**BIO 318. Evolution****3 credits**

This course will explain the concept of evolution, the evidence for evolution, the mechanisms driving evolution, and the causes of biological diversity. The course covers concepts in population genetics, cladistics, natural selection, and speciation. Three hours of lecture per week. Prerequisites: BIO 121, 122, 201 and 202. (Spring of odd numbered years)

**BIO 321. Biochemistry I (Cross-listed as CHE 321)****3 credits**

A survey of the fundamentals of biochemistry including such topics as lipids, carbohydrates, proteins, nucleic acids, enzymes and cellular metabolism. Three hours of lecture each week. The laboratory (CHE 321L) contains qualitative and quantitative laboratory experiments on the nature and properties of biological materials. Prerequisite: CHE 212 with grade of C- or better. Fall

**BIO 321L. Biochemistry Lab (Cross-listed as CHE 321L)****1 credit**

The laboratory compliments BIO 321 (Biochemistry I) and contains qualitative and quantitative laboratory experiments on the nature and properties of biological materials. Co-requisite: BIO 321. Fall

**BIO 325. Biometry (cross-listed as MAT 325, Applied Statistics II)****3 credits**

This course is a continuation of MAT 215 (Applied Statistics I) and is designed to help students gain facility with common statistical models where both the response variable and predictors (explanatory factors) are quantitative or categorical. Prerequisite: MAT 215. (Fall of even numbered years)

**BIO 326. Histology and Molecular Biology (Cross-listed as FSC 326)****4 credits**

This course emphasizes the cellular and molecular characteristics of human/mammalian tissues. Topics include structure, function and recognition of histological sections of human tissues. Labs include histological and microscopy techniques, and cell identification. Three hours of lecture and one three hour laboratory each week. Prerequisites: BIO 121, 122; CHE 121, 122 or 206. (Offered when interest is expressed and departmental resources permit.)

**BIO 406. Genetics****4 credits**

The course covers the principles of inheritance including transmission (classical), molecular, forensic applications, and population genetics. The main focus of the course is human genetics and genetic engineering. Three hours of lecture and one three-hour laboratory period each week. Prerequisites: BIO 122; CHE 207 or 211. The department also recommends completion of one biology course numbered 300 or higher. Spring

**BIO 407. Neurophysiology****3 credits**

An in-depth look at the physiology of the nervous system, including neuronal electrical function, chemical signal transmission, and sensory transduction. Course will examine historically important research as well as the latest advances in the field. Three hours of lecture per week. Prerequisites: BIO 206 and 207. (Spring of even numbered years)

**BIO 408. Environmental Health and Toxicology (cross-listed with ENV 408)****3 credits**

An introduction to the science of environmental health and toxicology. Topics include environmental epidemiology, zoonotic and vector-borne diseases, fate and transport of contaminants, heavy metals and pesticides, bioaccumulation, mechanics of biotransformation, endocrine disruption, carcinogenesis and radiation toxicology. Prerequisites: Junior or Senior level status; BIO 201, 202; CHE 121, 122 and 207. (Spring of odd numbered years)

**BIO 409. Global Environmental Issues (cross-listed with ENV 409) 3 credits**

A survey of global environmental issues including population and carrying capacity, land degradation and global food production, soil and water conservation, deforestation, biodiversity, energy use and climate change, waste disposal and biotechnology. Examines sustainable technologies to address these concerns and the role of international treaties.

Prerequisites: Junior or Senior level status. (Spring of even numbered years)

**BIO 465. Internship 3-6 credits**

The internship is for junior or senior biology majors who wish to gain practical experience with cooperating industries, health-care providers, or government agencies. All internships (summer or one academic semester) will continue for at least ten weeks. A minimum of 200 hours of experience is required for three hours of credit. The exact duration and weekly hours of the assignment will vary with the cooperating agency; however, the total hours will normally translate to a program of 20-40 hours per week. The student must submit a written internship request to the department chair and the request must be approved by the advisor and the department before formal application to the cooperating agencies is initiated. Interns will keep a log of what they are learning from on-site activities and prepare a paper evaluating their experience. Pass-Fail grade. Offered in all school sessions.

**BIO 475. Advanced Faith and Learning Integration 3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors.

Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**BIO 195, 295, 395, 495. Special Topics 3 credits****BIO 496. Special Topics 1-3 credits**

Appropriate and related topics in the biological sciences chosen by the faculty in consultation with students. Choice of topics will vary with instructor, student interest, and semester. Topics may include: environmental biology, human evolution, neurobiology, parasitology, ornithology, human genetic diseases, environmental evolution, pesticides, special senses, etc. Consent of department chair required. Prerequisites: BIO 121-122. (Offered when interest is expressed and departmental resources permit.)

**BIO 498. Capstone Research Project 1-2 credits**

This course is designed for senior biology majors to conduct an experimental research project, guided by a faculty member that results in a paper written in a scientific journal format. Progress reports, results, and the final paper will be monitored and assessed by the mentor. Weekly meetings for mentoring are required. Prerequisite: Junior or senior status.

**BIO 499. Capstone Research Seminar 1-2 credits**

An in-depth course designed to emphasize research methods by critically analyzing scientific literature and oral presentation skills. Results from the capstone research project may be presented in this course. A total of three credits is required; one credit will be taken in the spring of the junior year, one credit in the fall semester of the senior year, and one credit in the spring semester of the senior year. Weekly meetings are required. Prerequisites: BIO 121, 122, and junior status.

## **BUSINESS ADMINISTRATION**

DEPARTMENT OF BUSINESS ADMINISTRATION

GORDON W. MCCLUNG, PH.D., CHAIR

*For information on the University's graduate programs in business administration (i.e., M.B.A.), see page 304.*

The vision of the Business Administration Department is to provide Southwestern Pennsylvania with a Christian business school that is widely recognized for delivering practical and engaging degree programs and learning opportunities that enhance the practice of business in our community, our state, our region, and our world.

The mission of the Business Administration Department is to deliver high-quality business programs that emphasize leadership development, foster global and multicultural awareness and build upon a foundation in the liberal arts and humanities. We will create and disseminate applied business knowledge that contributes to the advancement of business education and practice. Our graduates will possess functional business competencies, integrity, and the ability to:

- Communicate;
- Utilize relevant business technologies;
- Think strategically;
- Work independently and in teams;
- Solve business problems and identify business opportunities; and
- Ethically lead themselves and others.

We will continuously seek to improve our educational programs, develop our students and faculty, and serve our community.

## BACHELOR OF ARTS

### APPLIED BUSINESS

The Bachelor of Arts in Applied Business is designed for students who seek a general degree in business administration while developing a concentration in more narrowly designed fields of study that encompass all business models. Consequently, a fundamental understanding of the principles of accounting, finance, management, marketing, and economics is necessary. These are the “core courses” that will provide a foundation for students in this major to individualize a more specific course of study which will be designed based on the area of interest in consultation with their academic advisor. Students enrolled in this program will gain practical experience through targeted internships that are centered on the course of study they select and can often lead to special certifications in various fields. Additionally, the students graduating from the University with this degree will have gained practical knowledge in business basics, such as accounting, finance, management, and marketing, and learned to implement those concepts into their course of study so that they can secure employment with a leading company in the local area.

Students selecting this major will be required to maintain a 2.00 grade point average (GPA) in the applied business major as well as overall GPA of 2.00 to graduate with this degree.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under “Recommended Sequence” below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-; S-). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## APPLIED BUSINESS MAJOR

### Required Courses

Department	Course		Course Title	Recommended Sequence Year/Semester
	Number	Credits		
ACC	101	3	Principles of Managerial Accounting.....	1
BDA	105	3	Business Systems Applications.....	1
BUS	155	3	Creativity and Innovation .....	1
	228	3	International Business and Cultures .....	2
	318	3	Business Law .....	3
	358	3	Leadership, Stewardship, and Ethics .....	3
	417	3	Capstone Experience.....	4
ECO	202	3	Economics of Business .....	2
FIN	205	3	Business Finance I .....	2

MGT	205	3	Principles of Management .....	2
MKT	205	3	Marketing.....	2
<b>Course of Study*:</b>				
—	—	18	Courses approved by academic advisor and department chair	
	—			
	—			
	—			
	—			
—	—	3	400-level business course approved by academic advisor and department chair	
		54	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

- \* A student's course of study will be designed based on the area of interest in consultation with their academic advisor and approved by the department chair. Course offerings may be outside of the Business Administration Department.

## BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

All students who study in the Business Administration Department need a fundamental understanding of the principles of accounting, finance, management, marketing, and economics. These are the “core courses” from which students build their own specialized area of education in the department. Students can major in one of the following areas: accounting, forensic accounting, finance, business management, entrepreneurship, marketing, or sports management.

The Accounting Program is designed to give students the necessary skills to succeed in the accounting field after graduation. The forensic accounting major was developed to provide students with the ability to investigate fraudulent financial activities of companies. An accounting major or forensic accounting major has the opportunity to participate in an internship with the cooperation of a number of public and private accounting firms located in the surrounding areas, including the “Big 4” firms in Pittsburgh. Participating students receive valuable on-the-job experience and college credit is given upon satisfactory completion of the internship.

Students in the finance major will use their skills in the areas of investments, banking and other types of financial institutions that control the financial markets of the world. The healthcare management major is designed to prepare graduates for a variety of entry-level managerial positions in healthcare organizations. Management majors deal with general management principles and the relationship of human resources in the workplace. Entrepreneurship teaches students how to manage all aspects of a business enterprise. The marketing major is designed to educate students in the workings of the market place including marketing management, retailing, sales and advertising. The sports management major is designed to provide opportunities for students to succeed in a variety of vocational options: high school/college coach, athletic director, health club manager, manager of professional sports teams, positions within personnel/human resources departments (particularly as managers of corporate wellness programs) and an array of marketing functions including advertising and corporate public relations in sports. Completion of this curriculum would also provide an excellent preparation for graduate study in sports management that includes a graduate assistant coaching position. Graduates are frequently employed in governmental agencies or go on to law, or other graduate education.

Internships are available to all students in the Business Administration Department and the faculty feels this is an excellent means to gain the advantage necessary to secure valuable experience as well as career opportunities.

**Progression:** Students must achieve a C or better for all 300- and 400-level major requirements. For 300- and 400-level courses where a student receives a grade of C- or lower the course will not count towards fulfillment of major or minor requirements.



*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## ACCOUNTING MAJOR

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
<b>BSBA Core Courses:</b>				
ACC	101	3	Principles of Managerial Accounting.....	1
BDA	105	3	Business Systems Applications.....	1
	205	3	Statistical Applications in Data Analytics..... or MAT 215, Applied Statistics I	2
	305	3	Advanced Data Analytics and Visualization.....	3
BUS	155	3	Creativity and Innovation .....	1
	228	3	International Business and Cultures.....	2
	318	3	Business Law .....	3
	358	3	Leadership, Stewardship, and Ethics .....	3
	417	3	Capstone Experience.....	4
ECO	202	3	Economics of Business .....	2
FIN	205	3	Business Finance I .....	2
MGT	205	3	Principles of Management .....	2
MKT	205	3	Marketing.....	2
<b>Accounting:</b>				
ACC	102	3	Principles of Financial Accounting .....	1
	201	3	Intermediate Accounting I .....	2
	202	3	Intermediate Accounting II .....	2
	305	3	Cost Accounting .....	3
	315	3	Advanced Accounting.....	3
	401	3	Federal Income Taxes I.....	4
	402	3	Federal Income Taxes II .....	4
	405	3	Auditing and Accounting Systems.....	4
	63		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## ACCOUNTING MINOR

**Residency Requirement:** A minimum of 12 credits must be completed at Waynesburg University.

### Required Courses

Department	Course Number	Credits	Course Title
ACC	101	3	Principles of Managerial Accounting
	102	3	Principles of Financial Accounting
	201	3	Intermediate Accounting I
	202	3	Intermediate Accounting II
	401	3	Federal Income Taxes I

—	—	3	Course approved by academic advisor and department chair
		18	Credits for this minor.

## BUSINESS MANAGEMENT MAJOR

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
<b>BSBA Core Courses:</b>				
ACC	101	3	Principles of Managerial Accounting.....	1
BDA	105	3	Business Systems Applications.....	1
	205	3	Statistical Applications in Data Analytics.....	2
			or MAT 215, Applied Statistics I	
	305	3	Advanced Data Analytics and Visualization.....	3
BUS	155	3	Creativity and Innovation .....	1
	228	3	International Business and Cultures.....	2
	318	3	Business Law .....	3
	358	3	Leadership, Stewardship, and Ethics .....	3
	417	3	Capstone Experience.....	4
ECO	202	3	Economics of Business .....	2
FIN	205	3	Business Finance I .....	2
MGT	205	3	Principles of Management .....	2
MKT	205	3	Marketing.....	2
<b>Business Management:</b>				
MGT	207	3	Organizational Behavior and Conflict Resolution .....	2
	305	3	Human Resources Management.....	3
MKT	305	3	Sales Management .....	3
	405	3	Marketing Management.....	4
—	—	6	Courses approved by academic advisor and department chair	
		57	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## BUSINESS MANAGEMENT MINOR

**Residency Requirement:** A minimum of 12 credits must be completed at Waynesburg University.

### Required Courses

Department	Course Number	Credits	Course Title
ACC	101	3	Principles of Managerial Accounting
MGT	207	3	Organizational Behavior and Conflict Resolution
	305	3	Human Resources Management
MKT	305	3	Sales Management
	405	3	Marketing Management
—	—	3	Course approved by academic advisor and department chair
		18	Credits for this minor.

## ENTREPRENEURSHIP MAJOR

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
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**BSBA Core Courses:**

ACC	101	3	Principles of Managerial Accounting.....	1
BDA	105	3	Business Systems Applications.....	1
	205	3	Statistical Applications in Data Analytics.....	2
			or MAT 215, Applied Statistics I	
	305	3	Advanced Data Analytics and Visualization.....	3
BUS	155	3	Creativity and Innovation .....	1
	228	3	International Business and Cultures .....	2
	318	3	Business Law .....	3
	358	3	Leadership, Stewardship, and Ethics .....	3
	417	3	Capstone Experience.....	4
ECO	202	3	Economics of Business .....	2
FIN	205	3	Business Finance I .....	2
MGT	205	3	Principles of Management .....	2
MKT	205	3	Marketing.....	2

**Entrepreneurship:**

ENT	225	3	Introduction to Entrepreneurial Leadership .....	2
	325	3	New Venture Creation .....	3
MGT	207	3	Organizational Behavior and Conflict Resolution .....	2
	305	3	Human Resources Management.....	3
—	—	6	Courses approved by academic advisor and department chair	

57 Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).

**Recommended Courses:**

ENT	355	3	Social Entrepreneurship
	405	3	Venture Accelerator
	406	3	Topics in Entrepreneurial Leadership
	467	1-6	Entrepreneurial Internship

**ENTREPRENEURIAL LEADERSHIP MINOR**

**Residency Requirement:** A minimum of 12 credits must be completed at Waynesburg University.

**Required Courses**

	Course		
Department	Number	Credits	Course Title
BUS	155	3	Creativity and Innovation
ENT	225	3	Introduction to Entrepreneurial Leadership .....2
	325	3	New Venture Creation .....3
—	—	3	Courses approved by the director of entrepreneurial leadership (Recommended: BIO 409, BUS 358, COM 339, or MGT 207)
—	—	6	Courses approved by academic advisor and department chair (Recommended: BUS 467; ENG 355, 405, or 406)
		18	Credits for this minor.

**FINANCE MAJOR****Required Courses**

Course

Recommended Sequence

Department	Number	Credits	Course Title	Year/Semester
<b>BSBA Core Courses:</b>				
ACC	101	3	Principles of Managerial Accounting.....	1
BDA	105	3	Business Systems Applications.....	1
	205	3	Statistical Applications in Data Analytics..... or MAT 215, Applied Statistics I	2
	305	3	Advanced Data Analytics and Visualization.....	3
BUS	155	3	Creativity and Innovation .....	1
	228	3	International Business and Cultures .....	2
	318	3	Business Law .....	3
	358	3	Leadership, Stewardship, and Ethics .....	3
	417	3	Capstone Experience.....	4
ECO	202	3	Economics of Business .....	2
FIN	205	3	Business Finance I .....	2
MGT	205	3	Principles of Management .....	2
MKT	205	3	Marketing.....	2
<b>Finance:</b>				
ACC	105	3	Principles of Managerial Accounting.....	1
	402	3	Federal Income Tax II.....	4
FIN	305	3	Business Finance II .....	3
	306	3	Investments and Portfolio Management.....	3
	405	3	Advanced Finance.....	4
	406	3	Advanced Financial Statement Analysis.....	4
		57	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## FINANCE MINOR

**Residency Requirement:** A minimum of 12 credits must be completed at Waynesburg University.

### Required Courses

Department	Course Number	Credits	Course Title
ACC	101	3	Principles of Managerial Accounting
	102	3	Principles of Financial Accounting
	402	3	Federal Income Tax II
FIN	305	3	Business Finance II
	306	3	Investments and Portfolio Management
	405	3	Advanced Finance
		18	Credits for this minor.

## FINANCIAL MATHEMATICS MINOR

**Residency Requirement:** A minimum of 12 credits must be completed at Waynesburg University.

### Required Courses

Department	Course Number	Credits	Course Title
ACC	101	3	Principles of Managerial Accounting
	102	3	Principles of Financial Accounting
FIN	305	3	Business Finance II
	306	3	Investments and Portfolio Management

FIN	406	3	Advanced Financial Statement Analysis
MAT	211	4	Calculus I
	212	4	Calculus II
	215	3	Applied Statistics I
	317	3	Operations Research
	325	3	Applied Statistics II
	32		Credits for this minor.

## FORENSIC ACCOUNTING MAJOR

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
<b>BSBA Core Courses:</b>				
ACC	101	3	Principles of Managerial Accounting.....	1
BDA	105	3	Business Systems Applications.....	1
	205	3	Statistical Applications in Data Analytics..... or MAT 215, Applied Statistics I	2
	305	3	Advanced Data Analytics and Visualization.....	3
BUS	155	3	Creativity and Innovation .....	1
	228	3	International Business and Cultures.....	2
	318	3	Business Law .....	3
	358	3	Leadership, Stewardship, and Ethics .....	3
	417	3	Capstone Experience.....	4
ECO	202	3	Economics of Business .....	2
FIN	205	3	Business Finance I .....	2
MGT	205	3	Principles of Management .....	2
MKT	205	3	Marketing.....	2
<b>Forensic Accounting:</b>				
ACC	102	3	Principles of Financial Accounting .....	1
	201	3	Intermediate Accounting I .....	2
	202	3	Intermediate Accounting II .....	2
	305	3	Cost Accounting .....	3
	315	3	Advanced Accounting.....	3
	401	3	Federal Income Taxes I.....	4
	402	3	Federal Income Taxes II .....	4
	405	3	Auditing and Accounting Systems.....	4
	425	3	Introduction to Forensic Accounting: Fraud Examination .....	4
CRJ	109	3	Criminal Justice Administration .....	1
	219	3	Criminal Law .....	2
	328	3	Criminal Procedure .....	3
	345	3	White Collar Crime.....	3
	406	4	Law and Evidence.....	4
	82		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## HEALTHCARE MANAGEMENT MAJOR

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
<b>BSBA Core Courses:</b>				

ACC	101	3	Principles of Managerial Accounting.....	1
BDA	105	3	Business Systems Applications.....	1
	205	3	Statistical Applications in Data Analytics.....	2
			or MAT 215, Applied Statistics I	
	305	3	Advanced Data Analytics and Visualization.....	3
BUS	155	3	Creativity and Innovation .....	1
	228	3	International Business and Cultures .....	2
	318	3	Business Law .....	3
	358	3	Leadership, Stewardship, and Ethics .....	3
	417	3	Capstone Experience.....	4
ECO	202	3	Economics of Business .....	2
FIN	205	3	Business Finance I .....	2
MGT	205	3	Principles of Management .....	2
MKT	205	3	Marketing.....	2
<b>Healthcare Management:</b>				
BIO	105	2	Medical Terminology .....	
BUS	468	3	Business Internship Program .....	4
MGT	207	3	Organizational Behavior and Conflict Resolution .....	2
	305	3	Human Resources Management.....	3
NUR	209	3	Scholarship for Evidence-Based Practice .....	2
			or BUS 217, Evidence-Based Practice	
	228	1	Health Care Policy, Finance, and Regulatory Environment.....	2
			or BUS 218, Health Care Policy, Finance, and Regulatory Environment	
PHL	216	3	Health Care Ethics .....	2
		57	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## HEALTHCARE MANAGEMENT MINOR

**Residency Requirement:** A minimum of 12 credits must be completed at Waynesburg University.

### Required Courses

Department	Course Number	Credits	Course Title
ACC	101	3	Principles of Managerial Accounting
BIO	105	2	Medical Terminology
BUS	468	3	Business Internship Program .....4
MGT	207	3	Organizational Behavior and Conflict Resolution .....2
	305	3	Human Resources Management.....3
NUR	209	3	Scholarship for Evidence-Based Practice .....2
			or BUS 217, Evidence-Based Practice
	228	1	Health Care Policy, Finance, and Regulatory Environment.....2
			or BUS 218, Health Care Policy, Finance, and Regulatory Environment
		18	Credits for this minor

## MARKETING MAJOR

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
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**BSBA Core Courses:**

ACC	101	3	Principles of Managerial Accounting.....	1
BDA	105	3	Business Systems Applications.....	1
	205	3	Statistical Applications in Data Analytics.....	2
			or MAT 215, Applied Statistics I	
	305	3	Advanced Data Analytics and Visualization.....	3
BUS	155	3	Creativity and Innovation .....	1
	228	3	International Business and Cultures .....	2
	318	3	Business Law .....	3
	358	3	Leadership, Stewardship, and Ethics .....	3
	417	3	Capstone Experience.....	4
ECO	202	3	Economics of Business .....	2
FIN	205	3	Business Finance I .....	2
MGT	205	3	Principles of Management .....	2
MKT	205	3	Marketing.....	2

**Marketing:**

MKT	206	3	Consumer Behavior .....	2
	207	3	Integrated Marketing.....	2
	305	3	Sales Management.....	3
	306	3	Marketing Analytics .....	3
	405	3	Marketing Management.....	4

— — 3 Course approved by academic advisor and department chair  
 57 Credits for this major; prerequisite courses may be necessary  
 and the General Education Requirements must be completed  
 (see pages 63-64).

**MARKETING MINOR**

**Residency Requirement:** A minimum of 12 credits must be completed at Waynesburg University.

**Required Courses**

Department	Course Number	Credits	Course Title
ACC	101	3	Principles of Managerial Accounting
MKT	206	3	Consumer Behavior .....2
	207	3	Integrated Marketing.....2
	305	3	Sales Management .....3
	306	3	Marketing Analytics .....3
	405	3	Marketing Management .....4
		18	Credits for this minor.

**SPORTS MANAGEMENT MAJOR****Required Courses**

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
<b>BSBA Core Courses:</b>				
ACC	101	3	Principles of Managerial Accounting.....	1
BDA	105	3	Business Systems Applications.....	1
	205	3	Statistical Applications in Data Analytics.....	2
			or MAT 215, Applied Statistics I	
	305	3	Advanced Data Analytics and Visualization.....	3
BUS	155	3	Creativity and Innovation .....	1

BUS	228	3	International Business and Cultures.....	2
	318	3	Business Law .....	3
	358	3	Leadership, Stewardship, and Ethics .....	3
	417	3	Capstone Experience.....	4
ECO	202	3	Economics of Business .....	2
FIN	205	3	Business Finance I.....	2
MGT	205	3	Principles of Management .....	2
MKT	205	3	Marketing.....	2
<b>Sports Management:</b>				
MGT	206	3	Business of Sports.....	2
	207	3	Organizational Behavior and Conflict Resolution .....	2
	315	3	Venue Management .....	3
MKT	207	3	Integrated Marketing.....	2
PSY	217	3	Sports Psychology .....	2 or 3
—	—	3	400-level business course approved by academic advisor and department chair	
		57	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## SPORTS MANAGEMENT MINOR

**Residency Requirement:** A minimum of 12 credits must be completed at Waynesburg University.

### Required Courses

Department	Course Number	Credits	Course Title
BDA	105	3	Business Systems Applications
MGT	206	3	Business of Sports
	207	3	Organizational Behavior and Conflict Resolution
	315	3	Venue Management
MKT	207	3	Integrated Marketing
—	—	3	Course approved by academic advisor (Recommended: COM 205, 305; MKT 305, 306; or PSY 217)
		18	Credits for this minor.

## INTEGRATED B.S.B.A./M.B.A. OVERVIEW

DEPARTMENT OF BUSINESS ADMINISTRATION

GORDON W. MCCLUNG, PH.D., CHAIR

GRADUATE AND PROFESSIONAL STUDIES

The integrated BSBA/MBA Program at Waynesburg University involves 154 credit curriculum that will allow eligible students to obtain both a Bachelor of Science in Business Administration and a Master of Business Administration degree within a streamlined five-year time period. Students in the Integrated BSBA/MBA Program may elect to specialize in the applied business, health systems administration, leadership/human resource management, finance, or market development areas.

All MBA courses are offered in the evenings in two 8-week sessions during the fall, spring, and summer semesters.

Admission to the program is offered to all undergraduate business majors who meet admission requirements. The Graduate Admissions Committee, made up of the Chair of the Department of Business Administration, Dean of Graduate Studies and the Director of Graduate Programs in Business Administration will evaluate academic achievement at the undergraduate level, special skills, and other factors relevant to the prospective candidate.



### **Recommended Course Sequence**

Years 1, 2 and 3

- 94 B.S.B.A credits to partially meet General Education and undergraduate business major requirements

Year 4

- Semester – 18 credits (15 BSBA credits and 3 MBA credits\*)
- Semester – 18 credits (15 BSBA credits and 3 MBA credits\*)

- \* MBA class choice guided by student's undergraduate advisor with approval by Director of MBA program

Student Completes Undergraduate degree –

Year 5

- Summer – 6 MBA credits\*
- Semester – 9 MBA credits\*
- Semester – 9 MBA credits\*

- \* MBA class choice guided by student's graduate advisor with approval by Director of MBA program

### **Eligibility**

- Minimum cumulative college GPA of 3.50 by end of first semester of junior year
- Enrollment as business major in undergraduate business program at Waynesburg University, Main Campus
- At least 45 undergraduate credits from Waynesburg University. Students may transfer in up to 6 credits of M.B.A. coursework from an accredited institution.
- Approval by the Chair Department of Business Administration

Although students will not be formally admitted to the program until their senior year, students may indicate, during their freshman, sophomore, or junior years, their intention to apply. Once the student's intentions are made known to the student's respective academic advisor, the student will begin receiving academic advising to prepare the student for admission to the program at the end of the student's junior year.

### **Admission Requirements**

To be considered for admission into the MBA Program, the student must submit the following:

1. Application and essay
2. Official transcripts of all undergraduate coursework
3. A current resume
4. Two letters of reference
5. Admissions committee interview

In order to be admitted to the program, the student must have:

1. 94 undergraduate credits with a GPA 3.00 or higher
2. One year of significant work experience or a credited business internship with a minimum of 6 credit hours completed.

Students whose native language is not English must also submit an official report of TOEFL scores or other proof of competency in English.

Students seeking admission into the MBA program may be admitted on a regular or conditional basis. The MBA admissions committee will review the student's educational background and work experience to determine the student's admission status based on the following criteria:

1. Quality of the student's academic record and educational background.
2. Undergraduate courses in accounting, economics, finance and statistics. If a student does not have prior classroom experience in these areas, students may be asked to take the MBA Primer online courses as a prerequisite.
3. The nature and extent of the student's work experience.
4. Proficiency in Microsoft Office applications including but not limited to Word, Excel and PowerPoint.
5. Involvement in community activities.

Regularly admitted students are students who the admissions committee determines have the preparation to successfully complete the program.

### **Program Progression**

Within the first four years of the program, students must meet the General Education requirements (B.S.) delineated on pages 63-64 of the catalog. Additionally, students will follow the recommended course sequence associated with the student's chosen area of concentration within the Business curriculum (e.g., Accounting, Public Accounting, Forensic Accounting, Finance, Business Management, Marketing and Sports Management). If a student chooses to leave the program after completion of the 4th year and after completing all required B.S.B.A. credits, the student will graduate with a B.S.B.A. However, the student's 4th year M.B.A. classes will not count toward their undergraduate credit requirements. Fourth year M.B.A. classes will be double listed as 400 and 500 level courses. The double listing will ensure that a 4th year student can remain full-time (12 hours) in the event that the student only needs 9 credits/semester of undergraduate coursework during the 4th year.

#### **Financial Aid**

Financial aid information may be obtained from the Financial Aid Office. Student loans are available to students taking a minimum of six semester hours. For the purposes of the MBA Program, a full-time student is considered to be anyone enrolled in a minimum of nine semester hours.

#### **Prerequisites**

Since the MBA curriculum concentrates on the areas of accounting, economics, finance, management, marketing and statistics, a strong background in these areas, either through previous coursework or relevant business experience, is strongly recommended. If the program director or student feels that he or she is not adequately prepared in these areas, courses may be taken through the undergraduate program at Waynesburg University. MBA Primer online courses are recommended.

#### **Degree Requirements**

1. 30 semester hours of business administration. All students must take MBA 505, 506, 507, 515, 525, 535, and 599 with nine additional hours elected from the various areas of concentration. (See below)
2. Candidates must complete 24 semester hours at Waynesburg University
3. Students must achieve a 3.00 academic average in order to graduate from the program. The receipt of a letter grade of C or lower will automatically be reviewed by the Graduate Committee.
4. All students must begin the MBA Program within one year of notification of admission. Anyone who does not meet this deadline will be removed from the files and will have to reapply to proceed.
5. Requirements for the Master of Business Administration degree must be completed within seven (7) years from the registration of the first MBA class.
6. Deactivation will occur if no registration activity is recorded two years after the last semester of enrollment. Anyone removed for this reason must reapply to continue in the program.

#### **Tuition**

During a student's 4th year, tuition will be assessed at a flat, undergraduate tuition rate including six graduate credits. Once a student enters the summer of the 5th year, tuition will be assessed at the standard M.B.A. rate. If students transfer their 4th year M.B.A. courses to another school, students will be retroactively assessed the M.B.A. tuition rate for the two M.B.A. courses taken during the 4th year.

#### **Housing**

After the completion of the Semester of their 4th year, students will be responsible to provide their own off-campus housing.

## **BUSINESS ADMINISTRATION COURSE OFFERINGS**

### **ACC 101. Principles of Managerial Accounting (formerly BUS 102) 3 credits**

An introduction to cost measurement, cost-volume-profit analysis, budgeting, and performance evaluation. This course focuses on how managers use accounting information as a basis for planning and controlling operations.

### **ACC 102. Principles of Financial Accounting (formerly BUS 101) 3 credits**

An introduction to the accounting profession, business activities, and all elements of basic financial statements. This course includes the study of the rules of debit and credit, the use of journals and ledgers, adjusting entries, and closing entries as they apply to sole proprietorships, partnerships, nonprofits, and corporations.

### **ACC 201. Intermediate Accounting I (formerly BUS 201) 3 credits**

A course covering advanced principles of corporate accounting. The topics covered will include: cash; compensating balances; accounts receivable; notes receivable; consignment sales; and the preparation of corporate financial statements. Prerequisite: ACC 101 and 102.

**ACC 202. Intermediate Accounting II (formerly BUS 202) 3 credits**

ACC 202 is a continuation of advanced principles of corporation accounting. The topics covered will include: valuation of tangible and intangible assets; depreciation, depletion and amortization; amortization of bond premiums and discounts; current and contingent liabilities; long-term debt; contributed capital and retained earnings; and leases and pensions. ACC 201 is a prerequisite for ACC 202.

**ACC 205. Introduction to Forensic Accounting (formerly BUS 209) 3 credits**

This course develops a foundation of knowledge for forensic accounting by examining what forensic accounting is and how forensic accounting principles are applied in both civil and criminal legal proceedings. This course will be separated into two sections: courtroom procedures. Additionally, the ethics of forensic accountants will be stressed to the students throughout the course. This course covers specific fraud schemes and crimes, the indicators of fraud, theories of fraud detection and prevention, and forensic accounting investigative techniques. In addition to studying the criminal aspects of fraud, the course will introduce students to areas of civil litigation, and such areas as (1) hidden asset discovery, (2) calculation of actual and future damages, and (3) business valuations. Specific civil litigations, such as bankruptcy, medical malpractice, and divorce proceedings will be studied. Three hours of lecture per week. Prerequisites: ACC 101 and 102.

**ACC 305. Cost Accounting (formerly BUS 308, Cost Accounting I) 3 credits**

A study of cost-volume-profit analysis, job-order costing, flexible budgets and standards, variance analysis, absorption-vs.-direct costing and cost behavior. Prerequisite: ACC 101 and 102.

**ACC 315. Advanced Accounting (formerly BUS 311) 3 credits**

The study of business combination, including mergers and consolidations, including the proper presentation of the appropriate form of financial statements. Prerequisite: ACC 202.

**ACC 401. Federal Income Taxes I (formerly BUS 401) 3 credits**

A course designed to cover the federal income tax laws and regulations dealing with individuals. An individual income tax return will be prepared. Prerequisite: ACC 101 and 102.

**ACC 402. Federal Income Taxes II (formerly BUS 402) 3 credits**

A course designed to cover the federal income tax laws and regulations of partnerships, corporation (including S Corporations), estates and trusts, estate death taxes and gift taxes. Actual tax returns will be prepared. Prerequisite: ACC 101 and 102.

**ACC 408. Auditing and Accounting Systems (formerly BUS 408, Auditing) 3 credits**

A comprehensive study of the theory and practice of auditing. Deals specifically with the relationship of the accountant with the client; the working papers; the audit procedure; internal control procedure; and the ethics of the public accounting profession. Prerequisite: ACC 202.

**ACC 425. Introduction to Forensic Accounting: Fraud Examination (formerly BUS 426) 3 credits**

An advanced review of strategies and tactics essential to the fraud examination process. Course presentation assumes basic accounting knowledge and guides the student into specialized, applied settings, indicative of forensic accounting. Coverage includes: financial statement analysis, interpretation and scrutiny of financial records and documentation, trace techniques, reporting irregularities, fraud examination approaches, legal rules and statutory construction pertinent to accounting practices. Students will prepare a series of field exercises in common fraud cases such as bankruptcy, insurance, employee/employer reporting, covert examinations, trading practices and money laundering schemes.

**BDA 105. Business Systems Applications (formerly BUS 142, Business Foundations II) 3 credits**

Students will have the opportunity to analyze business case studies and use several business software packages such as MS Excel, MS Access, QuickBooks, MS Word, and Adobe Creative Suite. Class will include analysis and creation of accepted business forms and presentations, as well as an integration of business theory into practical application in the form of presentation(s). This course satisfies the computer literacy skills requirement in the General Education curriculum (see pages 63-64).

**BDA 205. Statistical Applications in Data Analytics (formerly BUS 216, Quantitative Business Analysis II) 3 credits**

In this course, you will build upon your prior knowledge in mathematical and quantitative reasoning and apply them in professional settings. You will be introduced to quantitative methods used in analyzing business situations. Descriptive

statistics and probability, probability distribution, statistical inference, regression analysis, are covered from a practical and conceptual standpoint and applied to common organizational procedures and data reports. Prerequisite: MAT 105 or satisfactory score on the Math Placement Test. (Offered when interest is expressed and departmental resources permit.)

**BDA 305. Advanced Data Analytics and Visualization** **3 credits**

Data analytics is a survey study of the role of analytics and its strategic application in the business and organizational environment. The analysis of big data has applications across the spectrum of business, social science, politics, urban planning, and medical fields. Analytic solutions help organizations maximize the value of their data, unearth insights, build plans, and respond in real-time to customer demand. Students will come to appreciate the importance of customer-centric management and tools for understanding and predicting the behavior of customers. (Offered when interest is expressed and departmental resources permit.)

**BUS 155. Creativity and Innovation** **3 credits**

The course uses fun and hands-on activities to stimulate creativity and innovation. Students will come to understand the building blocks of creativity and innovation. Be familiar with processes and methods of creative problem solving: observation, definition, representation, ideation, evaluation and decision making to enhance their creative and innovative thinking skills.

**BUS 217. Evidence-Based Practice (cross-listed with NUR 209)** **3 credits**

This course introduces the sophomore level student to basic terms, concepts, and skills associated with evidence-based practice (EBP) and informatics. Units of content include: description of EBP, introduction to research terminology, the conduct of on-line searches, models of EBP, beginning information related to the Institutional Review Board, basic evidence appraisal skills, the formulation of clinical questions, and application of EBP findings to clinical situations.

**BUS 218. Health Care Policy, Finance, and Regulatory Environment (cross-listed with NUR 228)** **1 credit**

This course addresses important considerations in professional nursing practice in relation to health care policies that directly and indirectly influence the health care system and impact quality and safety in the practice environment. Students will explore the role of professional responsibility in the political process as well as the role of advocacy for the promotion of social justice.

**BUS 228. International Business and Cultures** **3 credits**  
(Cross-listed as INT 228; formerly Cultures & Environments of Global Business)

International Business and Cultures is an introductory survey course of global cultures and environments that form the context for business in a diverse and interdependent world. A study of world markets including an analysis of economic, political, cultural and business trends impacting multinational corporations. This course provides an interdisciplinary approach to intercultural and international business issues. Students will develop global awareness and exposure to different cultures. Topics covered include globalization, cultural diversity, ethnicity, nationalism, religion, languages, legal & economic systems, corporate culture, ethics, human rights and resources.

**BUS 316. Real Estate Fundamentals** **3 credits**

Urban growth and development are explored as part of the economic theory and investment. Basic terminology and considerations of the real estate business are developed within the theoretical framework.

**BUS 318. Business Law** **3 credits**

A course covering the essentials of business law as it relates to today's business environment. Topics discussed include: ethics; white-collar crime; torts; contracts; sales; commercial paper; landlord-tenant relations; wills and trusts; intellectual property; computer privacy; e-commerce; sports and arts law; copyright and trademark; and employment law.

**BUS 337. Real Estate Practice** **3 credits**

This course is designed to acquaint the student with the basic techniques, procedures, regulations and ethics involved in a real estate transaction, along with a working knowledge of the forms, documents and related mathematics used in real estate contracts.

**BUS 358. Leadership, Stewardship, and Ethics (formerly BUS 358, Leadership and Stewardship)** **3 credits**

This course explores the key leadership and stewardship characteristics and attributes necessary to successfully lead innovation regardless of discipline or service activity. Students learn processes and stratagems within the context of a biblical worldview that will assist in the creation of innovative workgroups and cultures of excellence in a variety of organizational environments. Students are exposed to stewardship principles critical to generating organizational excellence as well as maximizing stakeholder benefit through effective leadership, exercise of the innovation processes

and how to leverage the entrepreneurial mindset through practical application. Each student will develop their own leadership profile through self-assessments. The students will also work in teams on a leadership project that solves a problem on the campus or in the community. This course meets the oral competency requirement in the General Education curriculum (see pages 63-64). (Offered when interest is expressed and departmental resources permit.)

**BUS 417. Capstone Experience (formerly BUS 417, Management Policy) 3 credits**

An advanced course for finance, marketing or management majors. Emphasis is placed on the integration of problem-solving techniques applied to the firm as a system. Evaluation and solution will be affected through business simulations and case study method. Prerequisites: Senior status, or consent of the department chair.

**BUS 466. Accounting Internship 1-6 credits**

A program in which qualified accounting majors and public accounting majors intern with a local business or governmental unit on a part-time basis for a semester. The student will combine his or her academic knowledge with on-the-job experience. Prerequisite: Junior standing. Consent of the department chair. Maximum total credit permitted is 6 hours. Graded credit.

**BUS 467. Entrepreneurship Internship 1-6 credits**

Entrepreneurship majors intern with a local firm for a semester. The student will draw upon his/her academic knowledge to aid the local enterprise in its overall operation. Prerequisites: Entrepreneurship majors only, senior standing and consent of the department chair. Graded credit.

**BUS 468. Business Internship 1-6 credits**

A program in which qualified accounting, public accounting, forensic accounting, entrepreneurship, finance, management, marketing and sports management majors intern with a business or governmental unit. The student will use this experience to supplement his or her academic program. Prerequisite: Junior standing. Consent of the department chair. Maximum total credit permitted is 6 hours. Graded credit.

**BUS 469. International Internship (cross-listed as INT 469) 4-16 credits**

The student has several options for obtaining experience in an international context. A student may choose to study abroad, engage in an immersive international mission trip, be placed in a supervised international business internship or serve an internship in the US with a foreign owned business. Credit is determined by the length of the stay (one credit per week for study abroad or international mission trips) or the number of hours served in the internship (40 hours of work for one credit hour). The student is required to achieve four credits of international experience and can count a maximum of 16 credits towards their degree program. Student is responsible for all travel costs and any surcharges as a result of the program selected. Placements are available in nearly every country and will vary according to the agency supervising the internship. Graded credit.

**BUS 195, 295, 395, 495. Selected Topics 3 credits**

A survey of selected topics in business administration to include advanced study in management, finance, accounting, forensic accounting, entrepreneurship, public accounting, marketing, or sports management. Prerequisite: Junior standing, "B" average in the student's major and permission of the department chair.

**BUS 497. Independent Study in Business Administration 1-6 credits**

Independent studies in business administration to include advanced study in management, finance, accounting, forensic accounting, entrepreneurship, public accounting, marketing, and sports management. Prerequisites: Junior standing, "B" average in the student's major and permission of the department chair. Maximum total credit permitted is 6 hours.

**ENT 225. Introduction to Entrepreneurial Leadership (formerly BUS 225) 3 credits**

This course provides an introduction to the theoretical and experiential issues in entrepreneurial leadership. Through readings, case studies, and projects students will learn the mindset and practice of entrepreneurial leadership, how to find, create and evaluate new opportunities, and how to develop resources to implement these ideas. (Offered when interest is expressed and departmental resources permit.)

**ENT 325. New Venture Creation (formerly BUS 325) 3 credits**

In this course students will learn the process of starting a new venture. The students will gain an in depth understanding of the framework and process by practicing the techniques on a startup of the student's choice. Prerequisite: ENT 225 or permission of the department chair. (Offered when interest is expressed and departmental resources permit.)

**ENT 355. Social Entrepreneurship (formerly BUS 359) 3 credits**

This course examines the question, “How do I develop a socially focused venture?” Through case studies and projects, students will learn how to start and maintain businesses and non-profit organizations that promote social change. (Offered when interest is expressed and departmental resources permit.)

**ENT 405. Venture Accelerator (formerly BUS 425) 3 credits**

This course is for students who have already begun the process of venture creation and are ready to operationalize and obtain resources for their venture. Pre-requisite: ENT 325 or permission of the department chair. (Offered when interest is expressed and departmental resources permit.)

**ENT 406. Topics in Entrepreneurial Leadership (formerly BUS 455) 1-3 credits**

This course provides a variety of themed offerings related to target learning outcomes of complex problems. It includes identification, planning, solutions, and implementation of new ideas. This course will be experiential in nature and project focused. Topics will vary each semester. (Offered at least once an academic year as interest and resources permit.)

**FIN 205. Business Finance I (formerly BUS 306) 3 credits**

The course will cover the basics of managerial finance. Topics discussed include the role of the financial manager in the modern corporation, financial forecasting, capital budgeting, interest theory, valuation, leverage, the cost of capital, dividend policy, working capital management, issuance of stocks and bonds, mergers, consolidations and reorganizations. Prerequisite: ACC 101.

**FIN 305. Business Finance II 3 credits**

A course in the essentials of managerial finance. Topics discussed include the role of the financial manager in the modern corporation, financial forecasting, capital budgeting, interest theory, valuation, leverage, the cost of capital, dividend policy, working capital management, issuance of stocks and bonds, mergers, consolidations and reorganizations. Prerequisite: FIN 205 or permission of the department chair.

**FIN 306. Investments and Portfolio Management (formerly BUS 307) 3 credits**

A study of investment practices, the risks of investment and the selection of appropriate investment media for personal and institutional purposes.

**FIN 405. Advanced Finance (formerly BUS 406) 3 credits**

An intensive and advanced study of the financial principles examines in FIN 305, including further study of cost of capital, capital budgeting and other financial methods used to make business decisions. Extensive use of the computer will be made to solve complex business problems, and case presentations will be mandatory. Prerequisite: FIN 305. (Offered when interest is expressed and departmental resources permit.)

**FIN 406. Advanced Financial Statement Analysis (formerly BUS 407) 3 credits**

This course examines the trends and ratios found in the historical financial statements of publicly traded companies. In addition, the course will also review the information contained in personal financial statements and how this information is used to make loans. The areas of focus for the course will be liquidity, activity, debt, profitability, and market ratios. In addition we will study the use of the DuPont System of Analysis. Pre-requisite: FIN 305. (Offered when interest is expressed and departmental resources permit.)

**MGT 205. Principles of Management (formerly BUS 208) 3 credits**

This course is designed to give the students a thorough understanding of the function of management. It examines in depth the nature of planning, organizing, directing and controlling at three managerial levels within the firm. Students will be given the opportunity to apply these functions via the use of case histories.

**MGT 206. Business of Sports (formerly BUS 205) 3 credits**

This course offers a unique perspective about the business of sports by exposing students to specific managerial challenges and issues facing industry leaders. Students will be introduced to the theories, principles and practical applications of sports management. The course examines the five most critical entities influencing the sports business: professional sports franchises and leagues; amateur athletics; including collegiate sports and the Olympics; corporate America; the media; and the public sector. This course provides prospective sports management professionals with the insight necessary to establish successful careers in the sports business. Prerequisite: ACC 101.

**MGT 207. Organizational Behavior and Conflict Resolution (formerly BUS 236) 3 credits**

The field of organizational behavior (OB) is about understanding how people and groups in organizations behave, react, and interpret events. It also describes the role of organizational systems, structures, and processes in shaping behavior, and explains how organizations really work. Drawing from fields including management, anthropology, sociology, information technology, ethics, economics, and psychology, OB provides a foundation for the effective

management of people in organizations. Because it explains how organizations work from individual motivation to team dynamics to organizational structure, knowing about OB is essential to being effective at all organizational levels.

**MGT 305. Human Resources Management (formerly BUS 317) 3 credits**

Examination of the human problems typically found in industrial organizations. Skill in problem analysis, the evolution of workable solutions and the development of action plans are stressed.

**MGT 315. Venue Management (formerly BUS 447) 3 credits**

Venue Management is an introductory course to the world of Entertainment, Arts and Sports Management venues and facilities. The course provides an overview of the fundamentals of managing a venue and facilities and the events associated with those facilities. Including consideration of the organization, management, safety, and maintenance.

**MGT 327. Labor Relations (formerly BUS 327, Labor Economics; cross-listed as ECO 327) 3 credits**

A study of labor. This course will examine labor productivity, industrial relations system, the determination of wages, the various demands for labor, labor migration, the role of unions, the role of government in labor markets, discrimination, collective bargaining, legal aspects of labor relations, union structure and administration, the employer role, union organizing, bargaining issues, the negotiation process, grievances and arbitration, public sector labor relations, and unemployment. Prerequisites: MGT 305; ECO 201 and 202 or approval of department chair. (Offered when interest is expressed and departmental resources permit.)

**MKT 205. Marketing (formerly BUS 215) 3 credits**

A study of the problems of a firm involved in marketing. Determination of market demand will be examined together with channels of distribution and methods of arriving at an equitable price. Case studies are used to give the student experience in decision-making.

**MKT 206. Consumer Behavior (formerly BUS 227) 3 credits**

An overview of the consumer decision process and the external and internal factors that influence buyer behavior. Examined external factors include; culture, social class, family influences, and referent situational influences. Internal factors include; individual consumer characteristics, motivations, and psychological processing mechanisms. Particular attention is given to the manner in which marketers utilize an understanding of consumers to develop relevant marketing strategies.

**MKT 207. Integrated Marketing (formerly BUS 335, Advertising) 3 credits**

This course provides students with applied knowledge of Integrated Marketing Communications (IMC). Students will learn to expand their marketing expertise beyond that of a consumer and to incorporate critical thinking skills from a business perspective. The key component is the creation of an IMC plan. (Offered when interest is expressed and departmental resources permit.)

**MKT 208. Retailing (formerly BUS 219) 3 credits**

A study of the principles of retail management. The topics to be covered will include purchasing, pricing, inventory control, display, store location, layout and organization.

**MKT 305. Sales Management (formerly BUS 336) 3 credits**

A study of selling and sales management and its relation to the marketing function. General principles of selling, retail selling, use of advertising and the laying out of sales territories are studied. Prerequisite: MKT 205 or permission of the department chair.

**MKT 306. Marketing Analytics (formerly BUS 439, Marketing Research) 3 credits**

An introduction to the fundamentals of marketing research. Emphasis will be placed on the practical development and uses of research in marketing settings. The course will specially review problem definition, research design, sampling techniques, data analysis, and data display from a predominantly practitioner perspective. Prerequisite: BDA 205 or MAT 215. (Offered when interest is expressed and departmental resources permit.)

**MKT 405. Marketing Management (formerly BUS 418) 3 credits**

Capstone course for the marketing and management majors. This course is designed to integrate the basic principles of Marketing, Management and Finance in a case study. Students will learn the analysis of real problems in these respective areas. Prerequisites: Senior status, or consent of the department chair.

# CHEMISTRY

## DEPARTMENT OF CHEMISTRY AND FORENSIC SCIENCE

### EVONNE A. BALDAUFF, PH.D., CHAIR

#### Mission

Waynesburg University's Chemistry Program seeks to provide an environment where students are inspired to explore and experiment as they acquire knowledge. As our faculty teach the foundational aspects of chemistry, they will focus on active student learning, mastery, and retention. Students will be trained to think critically and independently so that they might not only understand the ways in which the world works but also draw in their own curiosity and creativity to investigate the development, design, and manipulation of chemical constructs.

#### Vision

Our students will be provided with a vibrant, personalized, and quality chemical education that is approved by the American Chemical Society. Faculty will actively encourage students to enrich their education through individual research experiences so that they might learn to integrate conceptual knowledge, professional development, and laboratory skills. Science-focused service activities, organized by our award-winning student organizations and coupled with the traditional classroom experience, will provide additional pathways to gain competitive skills such as leadership, responsibility, adaptability, and innovation.

The culmination of this study equips students to competitively pursue advanced degrees in areas such as chemistry, biochemistry, medicine or pharmacy, or find beneficial and satisfying careers in technology or industry, pure or applied research, teaching, or health-related professions. Examples of the various career paths available to our majors include technical work in analytical, government, pharmaceutical, forensic, or research and development facilities. Other viable alternatives include positions as high school teachers, safety officers, sales representatives, or technical managers.

#### Outcomes

Students will:

- Develop a strong, comprehensive foundation in analytical, organic, inorganic, and physical chemistry and biochemistry, while learning to understand the connections between these areas.
- Learn to reason analytically, applying critical thinking and problem-solving skills, to confidently approach questions as a scientist.
- Gain practical and functional hands-on experience of commonly used instrumentation with an emphasis on interpretation of results, trouble-shooting, and understanding the underlying theories of operation.
- Participate in research experiences that promote independent learning, build literature skills, develop creative thinking, and highlight the design and execution of novel experiments.
- Develop superior communication skills through focused practice in writing lab reports, technical papers, oral presentations, and critically analyzing scientific articles.
- Recognize, appreciate, and implement standard laboratory safety procedures, considering environmental concerns and acting in an ethical, professional, and responsible fashion.
- Have the opportunity to integrate their studies of chemistry with the University's mission of faith, learning, and service by participating in departmental activities and student organizations.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## CHEMISTRY MAJOR

#### Required Courses

Course

Recommended Sequence



Department	Number	Credits	Course Title	Year/Semester
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	206	4	Inorganic Chemistry .....	1S
	206L	1	Laboratory for Inorganic Chemistry .....	1S
	211	4	Organic Chemistry I.....	2F
	212	4	Organic Chemistry II .....	2S
	301	4	Physical Chemistry: Thermodynamics and Kinetics.....	4S
	302	3	Physical Chemistry: Quantum Mechanics and Spectroscopy .....	4S
	311	4	Analytical Chemistry .....	3F
	312	5	Instrumental Analysis .....	3S
	321	3	Biochemistry.....	4F
	321L	1	Biochemistry Lab.....	4F
	327	1	Advanced Spectroscopy Lab.....	3S
	385	1	Chemistry Seminar I.....	3F
	399	1-5	Undergraduate Research .....	1, 2, 3 or 4
	406	3	Advanced Organic Chemistry .....	3F
	407	3	Advanced Inorganic Chemistry .....	4S
	485	1	Chemistry Seminar II.....	4F
	499	1	Capstone Research.....	4
MAT	205	4	Functions and Trigonometry.....	1F
	211	4	Calculus I.....	1S
	212	4	Calculus II.....	2F
	213	3	Calculus III .....	2S
	218	3	Linear Algebra .....	3S
			or MAT 406, Differential Equations	
PHY	211	4	General Physics I .....	2F
	212	4	General Physics II.....	2S
	74-78		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

**Recommended course**

CSC	116	3	Computer Programming I
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**CHEMISTRY MAJOR (BIOCHEMISTRY OPTION)**

Students seeking to pursue a pre-professional track (such as Medical, Pharmacy, Veterinary or Physician Assistant programs) are encouraged to complete the Biochemistry option without ACS accreditation. If the student has any ambition to pursue a graduate program in Chemistry, Biochemistry, Biology, Biomedical Engineering or other related field, the ACS accredited option is highly preferable and strongly recommended.

**Required Courses**

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
BIO	121	4	Principles of Biology .....	1F
	122	4	Principles of Biology II.....	1S
	215	4	Microbiology .....	3
	315	4	Cell and Molecular Biology.....	3
			or BIO 326, Histology and Molecular Biology	
	406	4	Genetics .....	4S
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	206	4	Inorganic Chemistry .....	1S

CHE	206L	1	Laboratory for Inorganic Chemistry .....	1S
	211	4	Organic Chemistry I.....	2F
	212	4	Organic Chemistry II .....	2S
	301	4	Physical Chemistry: Thermodynamics and Kinetics.....	3F
	311	4	Analytical Chemistry .....	4F
	312	5	Instrumental Analysis .....	4S
	321*	3	Biochemistry I .....	3F
	321L	1	Biochemistry Lab.....	3F
	322	3	Biochemistry II.....	3S
	327	1	Advanced Spectroscopy Lab.....	3S
	385	1	Chemistry Seminar I.....	3F
	399	1-5	Undergraduate Research .....	1, 2, 3 or 4
	485	1	Chemistry Seminar II.....	4F
	499	1	Capstone Research.....	4
MAT	108	3	Intermediate Algebra .....	1F
	205	4	Functions and Trigonometry .....	1S
	211	4	Calculus I.....	2F
	212	4	Calculus II.....	2S
PHY	201	4	Introductory Physics I.....	2F
			or PHY 211, General Physics I	
	202	4	Introductory Physics II.....	2S
			or PHY 212, General Physics II	
	85-89		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

\* All majors in the biochemistry option must earn a C or better in CHE 321.

**For Certification by American Chemical Society:**

CHE	302	3	Physical Chemistry: Quantum Mechanics and Spectroscopy (4F)
MAT	213	3	Calculus III
	218	3	Linear Algebra
			or MAT 406: Differential Equations

## CHEMISTRY MAJOR (FORENSIC CHEMISTRY OPTION)

**Required Courses**

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO	—	3-4	Any BIO course .....	1
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	206	4	Inorganic Chemistry .....	1S
	206L	1	Laboratory for Inorganic Chemistry .....	1S
	211	4	Organic Chemistry I.....	2F
	212	4	Organic Chemistry II .....	2S
	301	4	Physical Chemistry: Thermodynamics and Kinetics.....	4S
	302	3	Physical Chemistry: Quantum Mechanics and Spectroscopy .....	3S
	311	4	Analytical Chemistry .....	3F
	312	5	Instrumental Analysis .....	3S
	321	3	Biochemistry I .....	3F
	321L	1	Biochemistry Lab.....	3F
	325	4	Forensic Chemistry .....	4S

CHE	327	1	Advanced Spectroscopy Lab.....	3S
	385	1	Chemistry Seminar I.....	3F
	399	1-5	Undergraduate Research .....	1, 2, 3 or 4
	485	1	Chemistry Seminar II.....	4F
	499	1	Capstone Research.....	4
CRJ	109	3	Criminal Justice Administration .....	1
	219	3	Criminal Law .....	2
FSC	105	3	Introduction to Forensic Science.....	1F
	205	2	Microscopic Methods and Forensic Analysis .....	2F or 3F
	305	3	Science and Evidence .....	3S
	406	4	Law and Evidence.....	4F
MAT	205	4	Functions and Trigonometry .....	1F
	211	4	Calculus I.....	1S
	212	4	Calculus II.....	2F
	213	3	Calculus III .....	2S
	215	3	Applied Statistics I.....	4
PHY	211	4	General Physics I.....	2F
	212	4	General Physics II.....	2S
		93-98	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

#### For Certification by American Chemical Society

MAT	218	3	Linear Algebra or MAT 406: Differential Equations
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### CHEMISTRY MAJOR (SECONDARY EDUCATION OPTION)

#### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO	—	4	Any Biology Course .....	4S
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	206	4	Inorganic Chemistry .....	1S
	206L	1	Laboratory for Inorganic Chemistry .....	1S
	211	4	Organic Chemistry I.....	2F
	212	4	Organic Chemistry II .....	2S
	301	4	Physical Chemistry: Thermodynamics and Kinetics.....	3F
	306	1	Topics in Inorganic Chemistry.....	2S or 3S
	311	4	Analytical Chemistry .....	3F
	312	5	Instrumental Analysis .....	3S
	385	1	Chemistry Seminar I.....	2F
	399	1-5	Undergraduate Research .....	1, 2, 3 or 4
	485	1	Chemistry Seminar II.....	3F
	499	1	Capstone Research.....	4
EDU	107	3	Technology in Education .....	2S
	115	3	Introduction to Middle Level and Secondary Education.....	1F
ENG	215	3	Language and Teaching of the English Language Learner .....	3S
	316	3	Adolescent Literacy .....	2S
MAT	211	4	Calculus I.....	1F
	212	4	Calculus II.....	1S
PHY	201	4	Introductory Physics I.....	2F

			or PHY 211, General Physics I	
PHY	202	4	Introductory Physics II.....	2S
			or PHY 212, General Physics II	
PSY	202	3	Developmental Psychology: Adolescent.....	3S
SED	206	3	Secondary Educational Psychology .....	3F
	305	3	Secondary Curriculum .....	3F
	306	3	Secondary Science Methods .....	2F or 3F
	405	2	Secondary Student Teaching Practicum.....	4S
	406	2	Secondary Student Teaching Seminar .....	4S
	407	12	Secondary Student Teaching.....	4S
SLR	107	1	Service Learning for Education .....	3S
SPE	209	3	Introduction to Exceptional Individuals.....	1F
	316	3	Assessment in the Inclusive Classroom .....	3F
	325	3	Instructional Strategies in the Inclusive Classroom .....	3S
	105-109		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

**Recommended Courses**

CHE	205	4	Environmental Chemistry
FSC	306	3	Serology
	325	4	Forensic Chemistry

**For Certification by American Chemical Society**

CHE	321	3	Biochemistry I (4F)
	321L	1	Biochemistry Lab (4F)
MAT	213	3	Calculus III
	218	3	Linear Algebra
			or MAT 406, Differential Equations

One of the following courses:

CHE	399	1-5	Undergraduate Research
	406	3	Advanced Organic Chemistry (4F)
	407	3	Advanced Inorganic Chemistry (4S)
	409	3	Advanced Physical Chemistry

## CHEMISTRY MAJOR (SECONDARY EDUCATION OPTION — GENERAL SCIENCE CERTIFICATION)

**Required Courses**

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO	—	4	Any Biology Course .....	4S
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	206	4	Inorganic Chemistry .....	1S
	206L	1	Laboratory for Inorganic Chemistry .....	1S
	211	4	Organic Chemistry I.....	2F
	212	4	Organic Chemistry II .....	2S
	301	4	Physical Chemistry: Thermodynamics & Kinetics .....	3F
	306	1	Topics in Inorganic Chemistry.....	2S or 3S
	311	4	Analytical Chemistry .....	3F
	312	5	Instrumental Analysis .....	4S
	385	1	Chemistry Seminar I.....	2F

CHE	399	1-5	Undergraduate Research .....	1, 2, 3 or 4
	485	1	Chemistry Seminar II .....	3F
	499	1	Capstone Research .....	4
EDU	107	3	Technology in Education .....	2S
	115	3	Introduction to Middle Level and Secondary Education .....	1F
ENG	215	3	Language and Teaching of the English Language Learner .....	3S
	316	3	Adolescent Literacy .....	2S
GLG	106	4	Physical Geology and Oceanography .....	4
MAT	211	4	Calculus I .....	1F
	212	4	Calculus II .....	1S
PHY	201	4	Introductory Physics I .....	2F
			or PHY 211, General Physics I	
	202	4	Introductory Physics II .....	2S
			or PHY 212, General Physics II	
PSY	202	3	Developmental Psychology: Adolescent .....	3S
SED	206	3	Secondary Educational Psychology .....	2F or 3F
	305	3	Secondary Curriculum .....	3F
	306	3	Secondary Science Methods .....	3F
	405	2	Secondary Student Teaching Practicum .....	4S
	406	2	Secondary Student Teaching Seminar .....	4S
	407	12	Secondary Student Teaching .....	4S
SLR	107	1	Service Learning for Education .....	3S
SPE	209	3	Introduction to Exceptional Individuals .....	1S
	316	3	Assessment in the Inclusive Classroom .....	3F
	325	3	Instructional Strategies in the Inclusive Classroom .....	3S
	109-113		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

#### For certification by American Chemical Society

CHE	321	3	Biochemistry I (4F)
	321L	1	Biochemistry Lab (4F)
MAT	213	3	Calculus III
	218	3	Linear Algebra
			or MAT 406, Differential Equations

One of the following courses:

CHE	399	3	Undergraduate Research
	406	3	Advanced Organic Chemistry (4F)
	407	3	Advanced Inorganic Chemistry (3S)
	409	3	Advanced Physical Chemistry

## CHEMISTRY MINOR

#### Required Courses

Department	Course Number	Credits	Course Title
CHE	121	3	General Chemistry I
	121L	1	Laboratory for General Chemistry I
	122	3-4	General Chemistry II
			or CHE 206, Inorganic Chemistry
	122L	1	Laboratory for General Chemistry II
			or CHE 206L, Laboratory for Inorganic Chemistry

CHE	211	4	Organic Chemistry I
	212	4	Organic Chemistry II
	311	4	Analytical Chemistry
	—	3	Any 200-level or higher Chemistry course with the exception of CHE 207
	23-24		Credits for this minor.

## PHARMACEUTICAL SCIENCE MAJOR

(see page 239)

### CHEMISTRY COURSE OFFERINGS

#### **CHE 105. Contemporary Topics in Chemistry** **4 credits**

A lecture and laboratory appreciation course specifically designed to introduce chemical topics that affect our everyday lives. In addition, the impact (hazards as well as benefits) on society of many modern day chemical products will be discussed. A brief treatment of measurement, atoms, bonding, and structure will be presented. Topics such as the chemistry of personal care products, plastics, pesticides, fertilizers, food additives, soaps and detergents, fossil and nuclear energy, air and water pollution, medicinals, nerve gases, and some important chemicals of commerce will be discussed. Three hours of lecture and one two-hour laboratory period each week. This course is intended for non-science majors. (Offered when interest is expressed and departmental resources permit.)

#### **CHE 106. Practical Chemistry for Life** **4 credits**

A lecture and laboratory course designed to include inorganic, organic and biochemical topics directly related to the health professions. Three hours of lecture and one three-hour laboratory period each week. This course is intended for Athletic Training majors and is also open to non-science majors.

#### **CHE 107. Introduction to Pharmaceutical Science** **1 credit**

Seminar class surveying various career paths that are relevant to pharmaceutical sciences as well as options within the Pharmaceutical Science Major. Required for Pharmaceutical Science Majors and recommended for chemistry and biology majors with interest in the discipline. Seminar meets weekly for half of the semester. Fall

#### **CHE 121. General Chemistry I** **3 credits**

A treatment of the states of matter and the laws governing chemical and physical changes (including kinetics and equilibria), founded on modern concepts of atomic structure and chemical bonding. First semester. Co-requisite: CHE 121L and MAT 108 (or a satisfactory score on the Mathematics Placement Examination.) This course is intended for science majors. Fall

#### **CHE 121L. Laboratory for General Chemistry I** **1 credit**

A laboratory course to compliment General Chemistry I. Students build skills in making solutions, dilutions, using instrumentation, writing laboratory reports, and collecting proper documentation during experiments. This laboratory must accompany CHE 121 to fulfill major and general education requirements. Co-requisite: CHE 121 and MAT 108. Fall

#### **CHE 122. General Chemistry II** **3 credits**

The course centers on a systematic study of the chemical elements and their compounds, with emphasis on reactions and equilibria in aqueous solution and includes classification and anion separation and identification. Second Semester. Prerequisite: CHE 121 with a grade of C- or better. Co-requisite: CHE 122L and MAT 205. Spring

#### **CHE 122L. Laboratory for General Chemistry II** **1 credit**

A laboratory course to compliment General Chemistry II. Students build skills in performing fundamental laboratory techniques such as titrations, writing laboratory reports, and collecting proper documentation during experiments. This laboratory must accompany CHE 122 to fulfill major and general education requirements. Prerequisites: CHE 121 with a grade of C- or better. Co-requisite: CHE 122 and MAT 205. Spring

#### **CHE 205. Environmental Chemistry** **4 credits**

A lecture and laboratory course that applies chemical principles to the study of sources, reactions, transport, effects, and fates of chemical species in water, soil, and air environments. Topics covered will be environmental chemistry and chemical cycles, fundamentals of aquatic chemistry, oxidation/reduction, phase interactions, water pollution and treatment, atmospheric chemistry, gaseous inorganic and organic air pollutants, soil chemistry, and nature and sources

of hazardous wastes. The laboratory will involve documentation, environmental sampling techniques, and analysis of chemical species in soil and water samples. Three hours of lecture and one three-hour laboratory period each week. Prerequisites: CHE 121 and 122 or equivalent with grade of C- or better. (Fall of even numbered years)

**CHE 206. Inorganic Chemistry** **4 credits**

This course provides the student with an introduction to fundamental concepts in inorganic chemistry as well as a more comprehensive study of typical general chemistry topics such as acids and bases, kinetics, equilibrium, and electrochemistry. More advanced topics that will be covered include molecular orbital theory, coordination chemistry, and a systematic review of inorganic compounds. Special topics such as nanotechnology and inorganic materials will also be introduced. Three hours of lecture and one hour of recitation each week. Prerequisite: CHE 121 with grade of C- or better. Co-requisite: CHE 206L and MAT 205. Spring

**CHE 206L. Laboratory for Inorganic Chemistry** **1 credit**

A laboratory course to compliment Inorganic Chemistry. Students will perform inorganic synthesis experiments as well as utilize foundational instrumentation. This laboratory must accompany CHE 206 to fulfill major and general education requirements. Prerequisite: CHE 121 with a grade of C- or better. Co-requisites: CHE 206 and MAT 205. Spring

**CHE 207. Organic and Biochemical Concepts** **4 credits**

A survey of organic and biochemical concepts. Three hours of lecture and one three-hour laboratory period each week. Prerequisite: CHE 122 with grade of C- or better. (Fall of odd numbered years)

**CHE 211. Organic Chemistry I** **4 credits**

The first semester of a modern exploration of organic chemistry, employing recent theoretical concepts and current techniques; laboratory emphasis on techniques, synthesis, and qualitative organic analysis. Three hours of lecture and one three-hour laboratory period each week. Prerequisites: CHE 122 or equivalent with a grade of C- or above. Fall

**CHE 212. Organic Chemistry II** **4 credits**

The continuation course in organic chemistry, employing recent theoretical concepts and current techniques; laboratory emphasis on techniques, synthesis, and qualitative organic analysis. Three hours of lecture and one three-hour laboratory period each week. Prerequisite: CHE 211 with a grade of C- or above. Spring

**CHE 301. Physical Chemistry: Thermodynamics & Kinetics** **4 credits**

A detailed and quantitative study of the nature of molecules and chemical phenomena. Topics of in-depth exploration include the application of kinetics and thermodynamics to describe the behavior, flow, and interaction of energy with matter in a wide variety of systems. Prerequisites: CHE 206 with grade of C- or better. Co-requisites: MAT 212; PHY 202 or 212. (Spring 2021, Fall 2022, and alternate years)

**CHE 302. Physical Chemistry: Quantum Mechanics & Spectroscopy** **3 credits**

A detailed and quantitative study of the nature of molecules and chemical phenomena. Topics of in-depth exploration include materials, statistical mechanics, spectroscopy, and quantum mechanics. Prerequisite: CHE 206 with grade of C- or better. Co-requisite: MAT 213; PHY 202 or 212. (Fall 2021, Spring 2023, and alternate years)

**CHE 306. Topics in Inorganic Chemistry** **1 credit**

This course will focus on molecular symmetry with a general overview of bonding in inorganic chemistry. (Spring of even numbered years)

**CHE 311. Analytical Chemistry** **4 credits**

Volumetric, gravimetric, electrochemical, separation, and an introduction to instrumental methods. Three hours of lecture and one three-hour laboratory period each week. Prerequisite: CHE 122 or equivalent, and CHE 212 each with grade of C- or better. Fall

**CHE 312. Instrumental Analysis (Cross-listed as FSC 312 and PHY 312)** **5 credits**

Theory and practice of modern analytical techniques emphasizing spectrophotometric, chromatographic, and electrochemical methods. Three hours of lecture and two three-hour laboratory periods each week. Prerequisite: CHE 311 with grade of C- or better. Spring

**CHE 321. Biochemistry I (Cross-listed as BIO 321)** **3 credits**

A survey of the fundamentals of biochemistry including such topics as lipids, carbohydrates, proteins, nucleic acids, enzymes and cellular metabolism. Three hours of lecture each week. The laboratory (CHE 321L) contains qualitative and quantitative laboratory experiments on the nature and properties of biological materials. Prerequisite: CHE 212 with grade of C- or better. Fall

**CHE 321L. Biochemistry Lab (Cross-listed as BIO 321L)** **1 credit**

The laboratory compliments CHE 321 (Biochemistry I) and contains qualitative and quantitative laboratory experiments on the nature and properties of biological materials. Co-requisite: CHE 321. Fall

**CHE 322. Biochemistry II**

**3 credits**

A continuation of Biochemistry I. Metabolic processing and their conservation among widely divergent organisms. Cellular processes, their interrelation and regulation. Biochemical techniques and their applications to a variety of current biological problems. Three hours of lecture. Prerequisite: CHE 321 with grade of C- or better. (Spring of odd numbered years)

**CHE 325. Forensic Chemistry (Cross-listed as FSC 325)**

**4 credits**

A course designed to provide a fundamental understanding of the various instrumentation, techniques, and physical methods available to the forensic chemist in the analysis of a range of materials commonly encountered as physical evidence in criminal investigations. The lecture and lab provides additional laboratory/instrumental experience in forensic and chemical analysis beyond the traditional instrumental analysis course (CHE/FSC 312). Specific areas of study include forensic identification of illicit drugs, fire debris analysis, and the examination of textile fibers, glass, paint, and soil. The role of chemical analysis and its importance to the judiciary process as well as the roles and responsibilities of the forensic chemist is explored. Three hours of lecture and one three-hour laboratory period each week. Prerequisite: CHE/FSC 312 with grade of C- or better. Spring

**CHE 327. Advanced Spectroscopy Lab**

**1 credit**

A one credit hour laboratory course that further examines the topic of spectroscopy and interpretation of chemical spectra. Application of this course allows for structure elucidation of organic molecules and natural products. Topics to be discussed will be 1-D and 2-D nuclear magnetic resonance, infrared spectroscopy, UV-Vis, and mass spectroscopy. One three-hour laboratory period each week. Prerequisites: CHE 211 and 212 with a grade of C- or better. Spring

**CHE 385. Chemistry Seminar I (Cross-Listed as FSC 385)**

**1 credit**

A seminar course designed to provide students with skills complimentary to the traditional coursework. Participants will learn proper literature search techniques, undertake ethics analyses, and practice technical writing skills. This course, in conjunction with CHE 485 and 499, satisfies the oral competency requirement in the General Education curriculum (see pages 63-64). Prerequisites: Chemistry or Forensic Science Program junior status. Fall

**CHE 399. Undergraduate Research (Cross-listed as FSC 399)**

**1-6 credits**

A course requiring a literature search and original laboratory work on a selected research topic. Work to be arranged with the individual faculty member.

**CHE 406. Advanced Organic Chemistry**

**3 credits**

Selected advanced topics from such areas as heterocyclics, natural products, reaction mechanisms, stereochemistry, physical organic chemistry, and kinetics. Second semester. Three hours of lecture each week. Prerequisite: CHE 212 with grade of C- or better. (Fall of even numbered years)

**CHE 407. Advanced Inorganic Chemistry**

**3 credits**

This is an Advanced Inorganic Chemistry course that explores advanced topics of coordination chemistry, complexes, ligand types and organometallic chemistry. Topics include transition metal carbonyls and derivatives pi-bonded organometallic compounds and substitution reactions of metal ion and organometallic complexes. The chemistry and physical properties of transition metal compounds including their spectral and magnetic properties will be treated. This course will include transition state theory, chemical kinetics, reaction mechanisms and rate expressions. Special topics of homogeneous catalysis, heterogeneous catalysis and an introduction to the biological significance of inorganic compounds are discussed. Prerequisite: CHE 206 and 212 with grade of C- or better. (Spring of even numbered years)

**CHE 409. Advanced Physical Chemistry**

**3 credits**

This course examines at an advanced level quantum mechanics and statistical mechanics and their application to the study of molecular bonds and properties. The course is mathematically demanding and requires a thorough knowledge of calculus, as well as an understanding of the solution of differential equations, vector and matrix notation and probability theory. The course includes a computational "laboratory" in which the student will use computational software to predict the properties and behavior of a selected molecule. Prerequisite: CHE 301 or 302 with grade of C- or better. (Offered when interest is expressed and departmental resources permit.)

**CHE 415. Medicinal Chemistry**

**3 credits**



Introduction to the modern drug development theory and practice with a focus on small molecules. Case studies of recently approved drugs and use of computational tools for designing drugs will be discussed. Pre-requisites: CHE 212 and CHE 321 with a C- or better. (Spring of odd numbered years)

**CHE 465. Internship**

**3-6 credits**

The internship is a program in which senior chemistry majors gain practical chemical experience with cooperating industries or governmental agencies. All internships (summer or one academic semester) will continue for at least 10 weeks. A minimum of 200 hours experience is required for 3 semester hours of credit and a minimum of 400 hours experience is required for 6 semester hours of credit. The exact duration and weekly hours of the assignment will vary with the cooperating agency; however, the total hours indicated above will normally translate to a program of 20 or 40 hours per week for 10 weeks. The student must submit a written internship request to the department chair at least 6 months prior to the anticipated starting date. The request must be approved by the instructor and the department before formal application to the cooperating agencies is initiated. This course satisfies the oral competency requirement in the General Education curriculum (see pages 63-64). Pass-fail grade. First semester, second semester, or summer.

**CHE 475. Advanced Faith and Learning Integration**

**3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**CHE 485. Chemistry Seminar II (Cross-listed as FSC 485)**

**1 credit**

A seminar course designed to provide students with skills complimentary to the traditional coursework. Participants will give progress reports on undergraduate research projects, interact with professional speakers, learn proper literature search techniques, undertake ethics analyses, and practice technical writing skills. This course, in conjunction with CHE 385 and 499, satisfies the oral competency requirement in the General Education curriculum (see pages 63-64). Prerequisites: Chemistry or Forensic Science Program senior status. Fall

**CHE 195, 295, 395, 495. Special Topics**

**3 credits**

**CHE 499. Capstone Research (formerly CHE 499, Senior Research)**

**1 credit**

A course requiring the completion of an original research project and oral presentation of this work. Upon completion of the project, a comprehensive and well-documented research report written in the style of an ACS chemistry journal article is also required. This course, in conjunction with CHE 385 and 485, satisfies the oral competency requirement in the General Education curriculum (see pages 63-64).

## COMMUNICATION

### DEPARTMENT OF COMMUNICATION

RICHARD L. KRAUSE, M.A., M.S.J., CHAIR

To study communication is to study the messages that bombard us daily through the print and broadcast media, the film industry, and the emerging communication technologies, such as social media. To study communication is to learn about the ways in which we interact with one another — how we inform and persuade one another. The communication major offers students three areas of study leading to the Bachelor of Arts degree: electronic media, journalism, and general communication. The objectives of the communication major are to advance student skills in the areas of writing, speaking, editing, audio and video production, and social media production; to provide students with technical knowledge and experience in the fields of print and broadcast journalism, advertising, public relations, and the visual arts; to develop students' critical thinking skills so that they become thoughtful producers and consumers of media; and, to prepare students for graduate study in a related field of communication.

It is expected that a student in the Communication major program will complete field-related experience, which may come from one or more of the following areas: the Yellow Jacket, the Mad Anthony, WCYJ-FM, WCTV, the

Sports Information Office, the Waynesburg University Sports Network, the Public Relations Student Society of America chapter, the Design Group, or any other field-related activity approved by the Department of Communication.

The following minimum criterion must be fulfilled in order to graduate from the Communication major program.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## COMMUNICATION MAJOR

### Required Courses

Department	Course		Course Title	Recommended Sequence Year/Semester
	Number	Credits		
COM	105	3	Understanding Media.....	1F
	109	3	Multimedia I .....	1
	126	3	Principles of Design.....	1
	209	3	Photography I.....	2 or 3
	211	3	News Writing and Reporting .....	2
	215	3	Web Production .....	2 or 3
	228	3	Business and Professional Speaking .....	2 or 3
	317	3	Communication Law.....	3
	326	3	Social Media Production.....	3
	329	3	Cross Cultural Communication.....	3 or 4
	438	3	Communication Theory and Research .....	3S or 4S
	465	3	Internship .....	4
	466	3	Practicum .....	4F
<b>Specialized Area:</b>				
COM	101	3	Introduction to Electronic Media .....	1F or 2F
	—	3	One course to be selected from .....	2
			digital design menu: COM 219, 308, 309, 315	
	—	3	One course to be selected from journalism menu: .....	3 or 4
MKT	—	3	COM 212, 307, 316, 406	
	—	3	Any Communication course .....	3 or 4
	207	3	Integrated Marketing.....	2 or 3
			or COM 137, Introduction to Public Relations	
		54	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## COMMUNICATION MAJOR (ELECTRONIC MEDIA OPTION)

### Required Courses

Course			Recommended Sequence Year/Semester	
Department	Number	Credits		
Communication Core:				
COM	105	3	Understanding Media.....	1F
	109	3	Multimedia I .....	1
	126	3	Principles of Design.....	1
	209	3	Photography I.....	2 or 3

COM	211	3	News Writing and Reporting .....	2
	215	3	Web Production .....	2 or 3
	228	3	Business and Professional Speaking .....	2 or 3
	317	3	Communication Law.....	3
	326	3	Social Media Production.....	3
	329	3	Cross Cultural Communication.....	3 or 4
	438	3	Communication Theory and Research .....	4F
	465	3	Internship .....	4
	466	3	Practicum .....	4F
<b>Electronic Media Courses:</b>				
COM/MGT/MKT	___	3	One course to be selected from:	
			COM 305; MGT 205; MKT 205, 207, 305.....	2 or 3
COM	101	3	Introduction to Electronic Media .....	1F
	110	3	Fundamentals of Television.....	1S
	201	3	Fundamentals of Radio .....	2F
	206	3	Videography .....	2 or 3
	212	3	Broadcast Journalism.....	2S or 3S
	301	3	Remote Television Production.....	3F
			or COM 302, Television Studio Production	
	436	3	History of Broadcasting .....	3S or 4S
	___	6	Two of the following courses (must select one track):	
	___		Radio track: COM 207, 311, 318, 411	
			Television track: COM 202, 301, 302, 335, 336, 345, 401	
ENG	329	3	Business and Professional Writing.....	3 or 4
		72	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## COMMUNICATION MAJOR (JOURNALISM OPTION)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
<b>Communication Core:</b>				
COM	105	3	Understanding Media.....	1F
	109	3	Multimedia I .....	1
	126	3	Principles of Design.....	1
	209	3	Photography I.....	2 or 3
	211	3	News Writing and Reporting .....	2
	215	3	Web Production .....	2 or 3
	228	3	Business and Professional Speaking .....	2 or 3
	317	3	Communication Law.....	3
	326	3	Social Media Production.....	3
	329	3	Cross Cultural Communication.....	3 or 4
	438	3	Communication Theory and Research .....	4F
	465	3	Internship .....	4
	466	3	Practicum .....	4F
<b>Journalism Courses:</b>				
COM	110	3	Fundamentals of Television.....	1S
	212	3	Broadcast Journalism.....	2S or 3S
	219	3	Illustration.....	2 or 3
	237	3	Public Relations Writing and Production.....	2S or 3S
	307	3	Profile and Feature Writing .....	3S or 4S

COM	315	3	Web Design .....	3S or 4S
	316	3	Advanced News Writing and Reporting .....	3S or 4S
	406	3	Newsroom Production .....	3F or 4F
	—	3	One course to be selected from: COM 205, 208, 308, 309	
CRJ	109	3	Criminal Justice Administration .....	2 or 3
ENG	—	3	One course to be selected from: ENG 206 or 228	
		72	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## COMMUNICATION MINOR

### Required Courses

Department	Course Number	Credits	Course Title
COM	101	3	Introduction to Electronic Media
	105	3	Understanding Media
	126	3	Principles of Design
	211	3	News Writing and Reporting or COM 212, Broadcast Journalism
	—	3	Any 100-level or above Communication course
	—	3	Any 200-level or above Communication course
	—	3	Any 300-level or above Communication course
	—	3	Any 400-level or above Communication course
		24	Credits for this minor.

## FILM STUDIES MINOR

### Required Courses

Department	Course Number	Credits	Course Title
COM	105	3	Understanding Media
	318	3	Script Writing or THE 201: Acting for the Stage I
	336	3	History of Film
THE	305	3	Directing for the Stage
LAFSP		16	BestSemester: Los Angeles Film Studies Program
		28	Credits for this minor.

## JOURNALISM MINOR

### Required Courses

Department	Course Number	Credits	Course Title
<b>Communication Core:</b>			
COM	105	3	Understanding Media
	209	3	Photography I
	211	3	News Writing and Reporting
	307	3	Profile and Feature Writing or COM 406, Newsroom Production
	315	3	Web Design or COM 326, Social Media Production
	316	3	Advanced News Writing and Reporting
—	—	6	Two courses to be selected from:

## COMMUNICATION COURSE OFFERINGS

### **COM 101. Introduction to Electronic Media** **3 credits**

Introductory course exploring the business of radio and television broadcasting while learning the basic hands-on skills necessary for careers in broadcasting. Fall

### **COM 105. Understanding Media** **3 credits**

A history of the various forms of print and electronic media, their development, and an identification of their various markets. Emphasis will be placed on the manipulative techniques used by the media to inform and persuade, as well as the media producer's responsible use of these techniques.

### **COM 109. Multimedia I** **3 credits**

An introduction to the theory and practice of multimedia production. Course content will include graphics creation, animation, video editing, audio editing, and post-production editing. Students will learn to combine media formats into various multimedia productions.

### **COM 110. Fundamentals of Television** **3 credits**

Hands-on, skills development course covering major aspects of television production. Students will start with learning the camera as an electronic medium to tell a story, moving on to learning lighting, audio, graphics, editing, and directing; all skills will be used in studio and field production. Students will be involved with WCTV and other department television productions. Prerequisite: COM 101 or permission of the department chair. Spring

### **COM 126. Principles of Design** **3 credits**

An introduction to the principles and visual elements of design to use them for optimal visual impact in media applications. The course will also cover the tools and processes used to complete graphic design and interactive design projects. This course satisfies the computer literacy requirement for communication.

### **COM 127. Sports Announcing I** **3 credits**

A study of introductory techniques for on-air sports announcing on radio, television, and emerging media; emphasis placed on play-by-play announcing and interviewing. Spring

### **COM 137. Introduction to Public Relations** **3 credits**

This course seeks to introduce students to the context and processes by which public relations professionals establish and maintain lines of communication between an organization and its publics. The course examines methods and engages in skill development relevant to the practice of public relations, including historical development, definitions, concepts and management of public relations. Spring

### **COM 201. Fundamentals of Radio Broadcasting** **3 credits**

A practical course introducing students to the operation of radio equipment. Projects are designed to acquaint students with current radio station requirements. Included is a survey of the major areas of radio: history, technical information, programming philosophy, regulations, and social effects. Course work will be closely related to the campus station WCYJ-FM; thus, the course is required for all students who wish to be on the WCYJ-FM staff. Prerequisite: COM 101. Fall

### **COM 202. Television Technology** **3 credits**

The nature of television production is not only an aesthetic medium, but a technical one as well. Students will learn how television equipment works in order to function as a knowledgeable crew member in various kinds of production situations. Students will be involved with WCTV and other department television productions. Prerequisite: COM 110. (Fall of even numbered years)

### **COM 205. Sports Writing** **3 credits**

An introduction to and overview of the specific techniques of news and feature writing as they relate to the coverage of sporting events. Includes practical experience in preparing copy for print and broadcast media. Prerequisite: ENG 102 or 188. Fall

### **COM 206. Videography** **3 credits**

This course involves a careful evaluation of digital video production skills with an emphasis on shooting techniques and visual composition and post-production editing. This course will introduce students to the terminology, application interfaces, and creative processes utilized in broadcasting today. This is a workshop-style course designed around open

class discussions in which topics are presented, discussed, and put into practice. Students will be challenged to think visually, creatively, and collaboratively. Fall

**COM 207. Announcing 3 credits**

A study of on-air announcing for radio and television. Emphasis on news reading, commentary, interviewing, sports play-by-play, and sports color announcing. Fall

**COM 208. E-publishing 3 credits**

Electronic publishing is a medium for distribution of short and long documents that include newsletters, magazines and books. This course explores tools for E-publishing in an effort to address emerging means of communication in this area. Students will study interpretation of traditional print documents in digital format, focusing on planning and design considerations. (Spring of odd numbered years)

**COM 209. Photography I † (formerly COM 121; 2017-2018 academic catalog) 3 credits**

The basic study of photography as an art form and a medium of communication. Emphasis will be on visualization, composition, and aesthetics of digital photography. An introduction to the operation of the camera and to electronic imaging will be covered.

**COM 211. News Writing and Reporting 3 credits**

An introduction to the principles and practices of journalism, with a special emphasis on newsgathering for print media. Includes basic techniques of newswriting, interviewing and editing copy for publication. Prerequisite: ENG 101 or 187.

**COM 212. Broadcast Journalism 3 credits**

A further study of the principles and practices of journalism, with special emphasis on newsgathering and newswriting for electronic media. Includes techniques of writing and interviewing in the preparation of news for radio and television broadcast. Prerequisites: COM 211 or permission of the department chair. Spring

**COM 215. Web Production (formerly Web Concepts; 2017-2018 academic catalog) 3 credits**

An introduction to the processes required to develop and maintain content for the internet. Topics will include content management systems, web usability, web resources, database management, web programming, and advanced content creation. (Fall of odd numbered years)

**COM 216. Introduction to Sports Management 3 credits**

This course will provide students will an introduction to the critical principles and issues impacting the sports industry. Topics will include the development of the modern sports industry from the late 19th Century to the present, promotion and external relations, communication strategies, strategic planning, emerging technologies, and revenue streams in sport, such as media rights and sponsorship cultivation and activation. (Fall of even numbered years)

**COM 219. Illustration (formerly Digital Illustration; 2017-2018 academic catalog) 3 credits**

An introduction to the tools and processes used to create digital illustrations and graphics for print and electronic media.

**COM 228. Business and Professional Speaking 3 credits**

Study of and practice in public speaking, conference speaking, oral presentations, group dynamics, interviewing, mediation, and conciliation. Theoretical basis for the course is in process-oriented rhetoric that emphasizes problem-solving and language appropriate for audience and purpose. This course satisfies the speech course requirement and the oral competency requirement in the General Education curriculum (see pages 63-64). Prerequisite: ENG 102, 188.

**COM 235. Sign Communication 3 credits**

This course provides a study of the fundamentals of sign communication. Preparation for visual/gestural communication includes basic information relating to finger spelling, vocabulary, grammar, sentence structure and expressive/receptive techniques. Students will also engage in an intensive study of American Deaf Culture. (Fall of even numbered years)

**COM 237. Public Relations Writing and Production 3 credits**

This course provides students with the opportunity to study and practice the various kinds of writing required of public relations practitioners, including but not limited to news releases, brochures, newsletters, and speeches. The course will also examine the emerging communication technologies diffusing into the field. Spring

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† indicates a special fee is charged

**COM 238. Message Design** **3 credits**

This course presents an opportunity to explore the planning and teamwork related to a design project. Discussions and hands-on work focus on the documentation and resources that support a project and include reinforcement of principles and elements of design for effective communication of a specific message to a particular audience through an appropriate format. (Spring of even numbered years)

**COM 301. Television Remote and Field Production** **3 credits**

An advanced level course that focuses on producing and directing television productions that take place in the field. Specific focus will be on sports production. Attention will be given to lighting, set design, editing, and technical considerations. Students will be involved with WCTV and other department television productions. Prerequisite: COM 110. (Fall of odd numbered years)

**COM 302. Television Studio Production** **3 credits**

An advanced level course that focuses on the producing and directing of television production that is live or taped in the studio. An emphasis will be placed on the role of producer and director. Technical considerations including editing will also be covered. Students will learn to work together as a crew to accomplish good programming. Prerequisite: COM 110. (Spring of even numbered years)

**COM 305. Sports Information Management** **3 credits**

A study of the operation of a sports information office, with the goal of making the student aware of the various responsibilities assumed by the sports information professional. Included in the course are study of and practice in developing a variety of news and information releases, coordinating news conferences, gathering and disseminating statistics, conducting interviews, managing a sports information staff, and developing positive relationships with the media. Spring

**COM 307. Profile and Feature Writing** **3 credits**

A study of the fundamentals of profile and feature writing. This course will focus on the narrative story structures and their use in publication. Long-form story development and structure will also be discussed. Prerequisite: COM 211. (Spring of odd numbered years)

**COM 308. Document Design** **3 credits**

This course is a study of design principles and the practical application of those principles for the conceptualization and creation of short and long documents. The documents students will be expected to plan and design will include a variety of single and multiple-page documents, including newspapers and magazines.

**COM 309. Photography II † (formerly COM 122; 2017-2018 academic catalog)** **3 credits**

An advanced exploration of digital photography techniques and studio photography. The course will cover the use of industry-standard digital cameras and software applications to produce quality digital images. Prerequisite: COM 209. Spring

**COM 311. Radio Station Management and Operations** **3 credits**

Prepares students for future jobs in radio management. Topics covered include audience analysis, ratings, programming, developing on-air sound, playlists, FCC regulations, and financing. The course is required for all students who wish to be on the WCYJ-FM staff. Spring

**COM 315. Web Design** **3 credits**

An introduction to the tools and processes used to create semantic and valid web sites. Topics will include modern web programming, web design, web typography, and web development. Spring

**COM 316. Advanced News Writing and Reporting** **3 credits**

A further study of the principles and practices of journalism for print media. Students will refine skills in news and feature writing, interviewing and editing copy for publication. Prerequisite: COM 211. (Spring of even numbered years)

**COM 317. Communication Law** **3 credits**

Introduction to the federal, state, and local law concerning the uses and abuses of media, including copyright law.

**COM 318. Script Writing** **3 credits**

Students produce scripts for radio, television, and other media productions. Scripts may be produced for WCYJ-FM and/or WCTV. Prerequisites: COM 101, 105. (Fall of even numbered years)

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† indicates a special fee is charged

**COM 326. Social Media Production (formerly Writing for Web 2.0; 2017-2018 academic catalog) 3 credits**

An examination of the Internet and social networks as message delivery media. This course explores the impact of technology on how media professionals do their job, the way stories are told, and the manner in which relationships with audiences are nurtured and transformed. Students will study current issues in the industry, focusing on advances in technology and their impact on both the practice and the business of media.

**COM 327. Sports Announcing II 3 credits**

A study of advanced techniques for on-air sports announcing on radio, television and emerging media in a field setting; emphasis placed on intensive critique of play-by-play announcing and interviewing field experiences completed by the students. Prerequisite: COM 127. Fall

**COM 329. Cross Cultural Communication (formerly COM 236; 2017-2018 academic catalog) 3 credits**

The course is designed to examine the principles and processes of communicating from one culture to another. Focus for the course lies in the theoretical framework including differing perceptions, ways of thinking, values, non-verbal expression, language expression, and sub-groups within a culture as they relate to the medium and the message. Furthermore, students will have the opportunity to discuss strategies for practical application that will address these issues and integrate Christian values. Fall

**COM 335. Documentary Production 3 credits**

In this course, students will learn the fundamentals of documentary production through analysis, critique, and hands-on production tasks. Students will work in a collaborative environment to create and develop ideas, write and illustrate compelling narratives, and produce creative content that documents events of historical and societal significance. While some of the material covered will be presented in the form of lecture, much of the course will entail hands-on production work that will be conducted both in and out of our regularly scheduled class time. This course involves a careful evaluation of documentary production with an emphasis on concept development, story composition, writing, interviewing, video/audio recording and editing techniques. Prerequisite: COM 206 or COM 212. (Spring of even numbered years)

**COM 336. The History of Film (cross-listed as THE 366) 3 credits**

A survey of the development of film from the early twentieth century through the 1960's, this course provides an understanding of cinematic art through an international survey of acknowledged classics of the past. This course satisfies the film course requirement in the General Education curriculum (see pages 63-64). (Fall of even numbered years)

**COM 337. Sound, Projection, and Lighting for Ministry 3 credits**

An in-depth study of operation and projection techniques, purchase and maintenance of media equipment and designing of media facilities including classrooms, PA systems, multimedia and traveling media packages within the context of ministry. (Offered when interest is expressed and departmental resources permit.)

**COM 338. Non-profit Public Relations and Fundraising 3 credits**

This course will introduce students to the concepts, tools, and applications used in non-profit public relations. Special emphasis is placed on the effective use of fundraising to enhance an organization's resources. Other topics include fund drives, gift planning, capital campaigns, and information technologies. (Fall of odd numbered years)

**COM 339. Creativity Theory and Practice 3 credits**

This course will focus on the theory and application of creative problem solving to the various fields of communication. Students will study the nature of creativity in relation to person, product, process, and environment. Throughout the course, students will be exposed to many facets of creativity. Students will become increasingly aware of their creative self and will learn how to nurture their creativity skills through the use of assorted creativity techniques. (Spring of even numbered years)

**COM 345. Advanced Field Reporting 3 credits**

This course is designed to prepare students for the challenges of working in a modern broadcasting, climate, covering topics related to news and/or sports. While some of the material covered will be presented in the form of lecture, much of the course will entail hands-on production work that will be conducted both in and out of our regularly scheduled class time. This course involves a careful evaluation of field reporting skills with an emphasis on story composition, writing, interviewing, video/audio recording and editing techniques. This course will challenge students to produce content suitable for professional news or sports broadcast under tight deadline. Projects will be presented weekly on WCTV or WCYJ. Prerequisite: COM 212. (Spring of odd numbered years)

**COM 346. Sports Announcing Seminar 3 credits**



A seminar course in which students will be introduced to advanced issues in the sports announcing field. An emphasis is placed on critique of professional announcers in addition to self-assessment. The course will also provide a broad overview of the sports announcing field and the skills required for success as a professional announcer.

**COM 399. Public Relations Research** **3 credits**

This course introduces students to the principles, tools, and methods in public relations research. Students will learn various methods and techniques to gather information, including case study, participant-observation, focus group, content analysis, and survey research. (Fall of even numbered years)

**COM 401. Single Camera Production** **3 credits**

An advanced level course which focuses on producing and directing film-style production. The focus will be on the entire production process from working with a client to off-line and on-line editing sessions. The course will also address lighting and editing. Prerequisite: COM 301 or permission of the department chair. (Spring of odd numbered years)

**COM 405. Advanced Public Relations Strategies** **3 credits**

This course provides instruction in the key elements of the public relations plan as they apply to public relations campaigns. Topics include situation analysis, objectives, strategies and tactics, timeline and budget. Additional topics include discussion of media relations, evaluation, internal communication and crisis management. Prerequisite: COM 237 or permission of the department chair. (Spring of odd numbered years)

**COM 406. Newsroom Production** **3 credits**

The course will enhance higher-level journalistic skills of writing and reporting. Students will explore the role of the editor and the editing process and the role of the freelance writer. The course will include a requirement to submit copy to local or regional media outlets. Prerequisite: COM 211. (Fall of even numbered years)

**COM 411. Advanced Radio Production** **3 credits**

This course develops the student's ability to produce and direct radio from idea to completed program. The course covers both live and recorded radio including talk radio formats, sports production, commercials, documentaries, and music production. (Spring of odd numbered years)

**COM 419. Multimedia II (formerly Advanced Multimedia; 2017-2018 academic catalog)** **3 credits**

A study of advanced multimedia techniques, including video editing and post-production. Includes a study of theory and practice of designing advanced multimedia productions. Prerequisite: COM 309. Spring

**COM 436. History of Broadcasting** **3 credits**

An examination of the development of radio and television in the United States, specifically its programming, audience, organization, technology, and philosophies. Special focus will be given to this development in light of cultural, economic, and civic interaction. (Spring of odd numbered years)

**COM 437. Special Events Planning** **3 credits**

This course will instruct students in the effective planning, implementing, and managing of a special event. Students will examine the essential components of events planning, including identifying event objectives, working with planning committees, managing volunteers, marketing, and budgeting. Students will learn professional planning strategies and tactics for workshops, conferences, fundraisers, and many other special events. Prerequisite: COM 237. Spring

**COM 438. Communication Theory and Research** **3 credits**

The primary goals of this course are to provide the skills needed to understand and interpret research applications, methods, and results and to offer practice in basic research writing skills. This course will also prepare students to evaluate communication theories effectively and to apply these theories within a number of varying contexts. (Spring of even numbered years)

**COM 439. Design Seminar (formerly Digital Media Seminar; 2017-2018 academic catalog)** **3 credits**

A seminar course in which students will be introduced to design history and advanced discussions regarding current trends in the design industries. (Fall of odd numbered years)

**COM 465. Internship** **3-6 credits**

On-the-job experience in either an on-campus or off-campus site. Specific internship duties are determined in contractual arrangement among the student, the on-site supervisor, and the department internship coordinator. All interns write a proposal, keep a journal of their work experiences, meet regularly with the coordinator, write a final report, and deliver a public final report on their internship experiences. Academic credit is three semester credits for 12 hours of work each week or six semester credits for 24 hours of work each week; all internships run 14 weeks.

Prerequisites: attendance at three final report meetings prior to time of application, approval of the department internship selection committee, approval of the on-site supervisor, a 2.5 grade point average, and junior or senior standing. Graded credit.

**COM 466. Practicum**

**3 credits**

The course is designed to structure formally a practical working experience for students at the senior level in which a minimum of 50 clock hours of communication-related experience is required. Students will work in the general communication areas of electronic, print, and social media, and digital design to produce mass mediated messages for outlets such as The Yellow Jacket, The Lamp, WCYJ-FM, WCTV, and other on-campus activities or organizations. The emphasis for instruction will be on the management of media outlets and also the techniques for producing mass mediated messages. Fall

**COM 475. Advanced Faith and Learning Integration**

**3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors.

Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**COM 195, 295, 395, 495. Special Topics**

**3 credits**

A study of various particular topics which are chosen by the members of the department in consultation with students. The topic will usually be different for each semester. Students may take only two Special Topics courses to fulfill major requirements. Once the major requirements have been completed, the student may take as many Special Topics courses as his/her schedule permits. (Offered when interest is expressed and departmental resources permit.)

**COM 497. Independent Studies**

**1-3 credits**

A carefully guided writing, editing, or communication project, this course is open to sophomore, junior, and senior Communication majors with the approval of their advisor. The course is also open to non-majors with the approval of the Communication department chair and their major advisors.

**COM 499. Senior Project**

**3 credits**

An intensive study of an advanced topic selected by the student in consultation with a faculty supervisor. Suggested topics may include, but are not limited to, Web-based applications, digital pre-press processes, or multimedia presentations. The student's study will lead to the production of a portfolio-quality project. Other course requirements will be negotiated between the students and the faculty supervisor.

## COMPUTER SCIENCE

DEPARTMENT OF MATHEMATICS, COMPUTER SCIENCE, AND PHYSICS

RICHARD A. LEIPOLD, PH.D., CHAIR

The computer science programs at Waynesburg University are designed:

- to provide a coherent and broad-based coverage of the discipline of computing, including understanding and appreciation of the areas of study within computer science,
- to provide as much breadth and depth of study as possible in the field of computer science and to expose students to three areas of theory, abstraction and design within the field,
- to emphasize three areas for students in the discipline, namely preparation for entry into the computing professions, preparation for continued study beyond the baccalaureate level, and preparation for the more general challenges of personal and professional life,
- to provide an environment in which students are exposed to the ethical and societal issues that are associated with the computing field, including maintaining their currency in recent technological and theoretical developments and general professional standards,

- to prepare students to apply their knowledge to specific constrained problems and produce solutions, including the ability to define a problem clearly, to determine its tractability, to consult outside experts when necessary, to evaluate and choose an appropriate solution strategy, to study, specify, design, implement, test and document that solution, to evaluate alternatives and perform risk analyses, to integrate alternative technologies, to work in a team oriented environment and to communicate a solution to colleagues and the general public.

To accomplish the above, the computer science programs are centered on several areas of the field, namely algorithms and data structures, architecture, database management, human-computer communication, numerical and symbolic computation, operating systems, programming languages and software methodology.

A student majoring in a computer science program at Waynesburg University may choose one of four majors to enhance their future career path, either a Business Information Science major, a Computer Science major, an Information Technology major or a Cybersecurity and Forensics major. By careful selection of electives, a student may also enrich his or her learning experiences by receiving a minor in a related field such as business, mathematics or communications. The student should note that the Computer Science major and the Cybersecurity and Forensics major are designed to allow the student the opportunity for further study at a graduate level.

A student may elect only one of the programs listed below.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

**NOTE:** Once a student has completed a course in the department, the student cannot take any course that is in the pre-requisite/Co-requisite sequence leading up to the course taken, without the permission of the Department Chair.

## BUSINESS INFORMATION SCIENCE MAJOR

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
ACC	101	3	Principles of Managerial Accounting.....	1
	102	3	Principles of Financial Accounting.....	1
BUS	228	3	International Business and Cultures.....	3
COM	228	3	Business and Professional Speaking.....	3
CSC	105	3	Introduction to Computers.....	1
	106	1	Survey of Computer Science.....	1F
	116	3	Computer Programming I.....	1F
	117	3	Computer Programming II.....	1S
	119	4	Computer Hardware and Architecture.....	1S or 2S
	207	3	Data Structures.....	2
	208	3	Database Management.....	2
	217	1	Computers and Ethics in Society.....	2
	226	3	Programming in C and C++.....	2F
	309	3	Operating Systems and Computer Architecture.....	3
	316	3	Systems Analysis and Design.....	3 or 4
	318	3	Software Engineering.....	3 or 4
	319	4	Computer Networks.....	2S or 3S
	325	3	Analysis of Algorithms.....	3 or 4
	326	3	Programming for the Internet.....	3 or 4

CSC	365	3	Internship.....	4
	406	3	Formal Language and Automata.....	3 or 4
	409	3	Computer Security.....	4
	499	1	Senior Project.....	4
MAT	211	4	Calculus I.....	2
	215	3	Applied Statistics I.....	3
	217	3	Applied Discrete Mathematics.....	2 or 3
MGT	205	3	Principles of Management.....	2
	—	6	Any other CSC, MAT or BUS course which has been approved by the student's advisor and which has not been used as one of the above required courses.	
	—			
		84	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## COMPUTER SCIENCE MAJOR

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
COM	228	3	Business and Professional Speaking.....	3
CSC	105	3	Introduction to Computers.....	1
	106	1	Survey of Computer Science.....	1F
	116	3	Computer Programming I.....	1F
	117	3	Computer Programming II.....	1S
	119	4	Computer Hardware and Architecture.....	1S or 2S
	206	3	Computer Organization and Assembly Language.....	2
	207	3	Data Structures.....	2
	208	3	Database Management.....	2
	217	1	Computers and Ethics in Society.....	2
	226	3	Programming in C and C++.....	2 or 3
	309	3	Operating Systems and Computer Architecture.....	3
	316	3	Systems Analysis and Design.....	3 or 4
	318	3	Software Engineering.....	3 or 4
	319	4	Computer Networks.....	2S or 3S
	325	3	Analysis of Algorithms.....	3 or 4
	326	3	Programming for the Internet.....	2 or 3
	365	3	Internship.....	4
	406	3	Formal Language and Automata.....	3 or 4
	409	3	Computer Security.....	3 or 4
	499	1	Senior Project.....	4
MAT	211	4	Calculus I.....	1
	212	4	Calculus II.....	2
	215	3	Applied Statistics I.....	3
	217	3	Applied Discrete Mathematics.....	3 or 4
	218	3	Applied Linear Algebra.....	4
	—	3	Any MAT course above MAT 212	
	—	6	Any other CSC or MAT course which has been approved by the student's advisor and which has not been used as one of the above required courses.	
	—			
		85	Credits for this major; prerequisite courses May be necessary and the General Education Requirements must be completed (see pages 63-64).	

## COMPUTER SCIENCE MINOR

### Required Courses

Department	Course Number	Credits	Course Title
CSC	116	3	Computer Programming I
	117	3	Computer Programming II
	217	1	Computers and Ethics in Society
	—	3	Any 300-level or above Computer Science course
	—	3	Any two 200-level or above Computer Science course
	—	3	
	—	3	Any other CSC course at any level
		19	Credits for this minor.

## CYBERSECURITY AND FORENSICS MAJOR

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
COM	228	3	Business and Professional Speaking .....	3
CRJ	109	3	Criminal Justice Administration .....	1F
	218	3	Criminal Investigation .....	2F
	219	3	Criminal Law .....	2S
	328	3	Criminal Procedure .....	3F
	335	3	Criminalistics .....	3
CSC	105	3	Introduction to Computers .....	1
	106	1	Survey of Computer Science .....	1F
	116	3	Computer Programming I .....	1
	117	3	Computer Programming II .....	1
	119	4	Computer Hardware and Architecture .....	1S or 2S
	205	4	Ethical Hacking and Network Defense .....	2F or 3F
	206	3	Computer Organization/Assembly Language .....	2
	207	3	Data Structures .....	2
	208	3	Database Management .....	2
	217	1	Computer and Ethics in Society .....	2
	226	3	Programming in C and C++ .....	2 or 3
	309	3	Operating Systems and Computer Architecture .....	3
	319	4	Computer Networks .....	2S or 3S
	325	3	Analysis of Algorithms .....	3 or 4
	326	3	Programming for the Internet .....	3 or 4
	365	3	Internship .....	3 or 4
	409	3	Computer Security .....	4
	415	4	Computer Forensics .....	3F or 4F
	499	1	Senior Project .....	4
MAT	205	4	Functions and Trigonometry .....	2
	215	3	Applied Statistics I .....	3
	217	3	Applied Discrete Mathematics .....	2
	—	3	Any other MAT course at the 200-level or higher .....	2
	—	3	Any other CSC, MAT or CRJ course which have been approved by the student's advisor and which has not been used as one of the above required courses.	
		89	Credits for this major; prerequisite courses may be necessary	

and the General Education Requirements must be completed  
(see pages 63-64).

### Recommended Courses

CRJ	115	3	Law and the United State Legal System
	345	3	White Collar Crime
MAT	211	4	Calculus I
	218	3	Applied Linear Algebra

## INFORMATION TECHNOLOGY MAJOR

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
COM	126	3	Principles of Design.....	1 or 2
	209	3	Photography I.....	2 or 3
	219	3	Illustration.....	3
	228	3	Business and Professional Speaking .....	3
CSC	105	3	Introduction to Computers .....	1
	106	1	Survey of Computer Science .....	1F
	116	3	Computer Programming I .....	1
	117	3	Computer Programming II.....	1
	119	4	Computer Hardware and Architecture .....	1S or 2S
	206	3	Computer Organization and Assembly Language.....	2 or 3
	207	3	Data Structures.....	2
	208	3	Database Management.....	2
	217	1	Computer and Ethics in Society.....	2
	226	3	Programming in C and C++.....	2 or 3
	309	3	Operating Systems and Computer Architecture.....	3
	316	3	Systems Analysis and Design .....	3 or 4
	318	3	Software Engineering .....	3 or 4
	319	4	Computer Networks.....	2S or 3S
	326	3	Programming for the Internet.....	3
	365	3	Internship.....	3 or 4
	409	3	Computer Security .....	3 or 4
	415	4	Computer Forensics .....	3F or 4F
	499	1	Senior Project.....	4
	—	6	Any other CSC course which has been approved by the student's advisor and which has not been used as one of the above required courses	
MAT	205	4	Functions and Trigonometry.....	1 or 2
	215	3	Applied Statistics I.....	2 or 3
	217	3	Applied Discrete Mathematics.....	2
—	—	6	Any two CSC, MAT, COM or other technology-related course which has been approved by the student's advisor and which has not been used as one of the above required courses.	
		88	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## COMPUTER SCIENCE COURSE OFFERINGS

**CSC 105. Introduction to Computers †** **3 credits**

A course designed to help students become literate in the terminology and usage of computers. It covers a description of the hardware and software of a computer system, a brief history of computers, and the following topics on the personal computer: Windows, disk file management, word processing, and electronic spreadsheet. Other computer applications may be covered at the discretion of the instructor. This course satisfies the computer literacy skills requirement in the General Education curriculum (see pages 63-64).

**CSC 106. Survey of Computer Science** **1 credit**

This course will cover general aspects of computer science, including job descriptions, course descriptions and relations between the two. It will also cover algorithmic problem solving techniques, with an introduction to the basics of software development and engineering. Fall

**CSC 116. Computer Programming I †** **3 credits**

An introduction to the basic components of computer programming, using Java. Emphasis is placed on problem solving and structured design. The five basic programming elements of sequence, selection, repetition, methods, and arrays are stressed. Graphic components are also covered. Prerequisite: MAT 108 or any higher level math course

**CSC 117. Computer Programming II †** **3 credits**

Advanced programming in Java. Emphasis is placed on object-oriented design methodology. Topics include: classes, objects, methods, inheritance, exceptions handling, streams, file I/O, dynamic memory allocation, graphic components, and events driven programming. Prerequisite: CSC 116.

**CSC 119. Computer Hardware and Architecture** **4 credits**

A study of structured computer organization. Topics include the history of computer architecture, digital logic, microcomputer architecture, instruction sets and parallel computer architecture. Also included is a hands-on study of the basic hardware operation of PCs including memory, expansion, upgrades, troubleshooting and performance. (This course cannot be used to fulfill the General Education requirements for the Natural and Physical Sciences.) (Spring of even numbered years)

**CSC 205. Ethical Hacking and Network Defense** **4 credits**

This course provides an in-depth understanding of how to effectively protect computer networks. Students will learn the tools and penetration testing methodologies used by ethical hackers. In addition, the course provides a thorough discussion of what and who an ethical hacker is and how important they are in protecting corporate and government data from cyber attacks. Prerequisite: CSC 119. (Fall of even numbered years)

**CSC 206. Computer Organization and Assembly Language** **3 credits**

A study of the organization and operation of computer systems including addressing techniques, data representation, program control and I/O and assembly language programming. Prerequisite: CSC 117. (Fall of even numbered years)

**CSC 207. Data Structures** **3 credits**

Advanced programming and algorithm design using arrays, linked-lists, stacks, queues, trees, lists, searching and sorting. Also includes the implementation, use and reuse of abstract data types. Prerequisite: CSC 116. Spring

**CSC 208. Database Management** **3 credits**

This course introduces the design, use, and application of database management systems. Topics include the relational data

model, design theory, conceptual data design and modeling, and relational query languages for relational database design. Projects will provide practical experience in development and implementation. Prerequisite: CSC 117. Fall

**CSC 216. Modern Programming Languages** **3 credits**

This course provides students with the opportunity to learn a modern programming language that is not part of the content in another computer science course. The language to be taught will depend on the interest of students and the importance of the language in current computer programming endeavors. Examples of such languages are Python, game programming, and Ruby. Prerequisite: CSC 117. (Offered when interest is expressed and departmental resources permit.)

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† indicates a special fee is charged

**CSC 217. Computers and Ethics in Society** **1 credit**

Seminar designed to explore the impact of computers on society. The class will discuss contemporary technical issues and personal ethics and experiences from a variety of viewpoints: social, legal, political, constitutional, economic, and Judeo-Christian. Students will develop their own professional ethics guidelines. (Spring of even numbered years)

**CSC 226. Programming in C and C++** **3 credits**

This course covers the constructions, syntax, and semantics of the programming languages C and C++. Both of these languages are widely used in computer science, mathematics, engineering and operating systems. This course is for those students who already have knowledge of the fundamentals of computer programming. The course will build on those fundamentals in the development of extended problem solving using the C and C++ languages. Prerequisite: CSC 116. (Fall of odd numbered years)

**CSC 309. Operating Systems and Computer Architecture** **3 credits**

This course provides an understanding of the basic components of a general-purpose operating system. Topics include memory management, processes, process management, synchronization, concurrency, input/ output devices, resource allocation, and an introduction to file systems. Prerequisite: CSC 207. (Fall of odd numbered years)

**CSC 316. Systems Analysis and Design** **3 credits**

Program and system design including choice of hardware and software, data design, input and output user specifications and management of resources. Documentation is stressed in all phases of design. Includes a team project to analyze and design specific system for an organization possibly in the local community. Prerequisite: CSC 116. (Spring of odd numbered years)

**CSC 318. Software Engineering (formerly CSC 318, Software Design and Development)** **3 credits**

Study of the software life cycle, programming, algorithms and design, project management with an emphasis on a structured approach to software engineering. Prerequisite: CSC 117. (Fall of odd numbered years)

**CSC 319. Computer Networks** **4 credits**

A study of the fundamentals of computer networks, addressing topics such as various hardware and software components, network and Internet protocols, design topologies, and the essentials of managing a network. Students will gain hands-on experience in setting up and configuring peer -to-peer and client/server networks. Prerequisite: CSC 119. (This course cannot be used to fulfill the General Education requirements for the Natural and Physical Sciences.) (Spring of odd numbered years)

**CSC 325. Analysis of Algorithms** **3 credits**

A study of algorithms, their design, construction and efficiency. Topics will include the study of algorithms for searching, selection, sorting, recursion, hashing, and graph algorithms. Computational complexity and completeness will also be discussed. Prerequisite: CSC 207. (Spring of even numbered years)

**CSC 326. Programming for the Internet** **3 credits**

This course will cover the programming aspects involved in the design, implementation and interfacing of Web pages. Topics will include XHTML, style sheets, Java Script, Dynamical HTML, Web servers, SQL Server, PHP and other current web programming tools and languages. Prerequisite: CSC 116. (Spring of odd numbered years)

**CSC 365. Internship (cross-listed as MAT 365)** **1-3 credits**

On-the-job experience either on or off-campus. Specific internship duties are negotiated among the student, the on-site supervisor, and the department course instructor. Interns keep journals of their work experiences and time spent on the job, meet regularly with their instructor, and write a final report of their work experience as it relates to their liberal arts education. The final report must also relate the student's work experience to the General Education Goals of the University including those goals that address Judeo-Christian values and traditions. Credits will be awarded as agreed to by the parties involved, following the general rule of approximately thirty hours of on-site effort per hour of credit received. This course may be taken two times for a total of up to 6 hours of credit. Graded credit.

**CSC 397. Independent Study** **1-3 credits**

Independent study and research in a specific field of interest to the student. Prerequisite: Consent of the department chair.

**CSC 406. Formal Language and Automata** **3 credits**

Introduction to formal languages and their relation to automata. Topics will include normal forms, classes of grammars and recognition of languages by automata. Turing machines and computational complexity will also be discussed. Prerequisite: CSC 207 or MAT 217. (Spring of even numbered years)

**CSC 407. Artificial Intelligence** **3 credits**



Knowledge representation and natural language processing, search algorithms, design and application of computer systems to problems in areas such as medicine and science. Expert systems. Prerequisite: CSC 117. (Offered when interest is expressed and departmental resources permit.)

**CSC 409. Computer Security** **3 credits**

An examination of computer security and data retrieval. The course will consider topics and hands-on experience in security vulnerability, public key cryptology, firewalls, computer viruses and retrieval of lost and/or corrupted data. Prerequisites: CSC 119 and 319. (Spring of even numbered years)

**CSC 415. Computer Forensics** **4 credits**

A guide to computer forensics and investigation that presents methods to properly conduct a computer forensics investigation, beginning with a discussion of ethics while mapping to the objectives of the International Association of Computer Investigative Specialists (IACIS) certification. Prerequisites: CSC 117. (This course cannot be used to fulfill the General Education requirements for the Natural and Physical Sciences.) (Fall of odd numbered years)

**CSC 417. Cryptanalysis** **3 credits**

The course will study the basic methods of encrypting and decrypting data. It will cover the historical methods of cryptography and modern encryption techniques such as the EAS and RSA encryption standards. When applicable, mathematics software will be used to aid the student in encrypting and decrypting messages. (Offered when interest is expressed and departmental resources permit.)

**CSC 475. Advanced Faith and Learning Integration** **3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**CSC 195, 295, 395, 495. Selected Topics in Computer Science** **1-3 credits**

A study of particular topics of computer science chosen by the members of the department with consultation of the students. A formal classroom setting is used. Prerequisite: Consent of the department chair. (Offered when interest is expressed and departmental resources permit.)

**CSC 499. Senior Project (cross-listed as MAT 499)** **1-3 credits**

This course requires research of current literature and a written paper on a selected topic in computer science. The student meets each week with the coordinating instructor regarding research progress, the topic, the outline, the draft, etc. Upon completion, the project will be presented to the department faculty and a final paper will be submitted.

## CRIMINAL JUSTICE ADMINISTRATION

DEPARTMENT OF CRIMINAL JUSTICE AND SOCIAL SCIENCES

ADAM E. JACK, M.S., CHAIR

*For information on the University's graduate program in criminal investigation (i.e., M.A.), see page 322.*

The objective of the Criminal Justice Administration major is to offer students the opportunity for comprehensive study in criminal justice administration. Course selection and design insure that graduates have thorough and systematic knowledge of agencies and institutions in the public and private sector, have a firm and educated perception of law and its role in the delivery of American justice, and are aware of the social, psychological and political aspects of contemporary crime and punishment. Additionally, courses provide in-depth instruction in techniques of law enforcement, security issues, corrections, substantive and procedural law, research, management processes and administrative processes.

To insure a broadly educated graduate, the major requires and recommends numerous courses in allied and complimentary disciplines including the fields of sociology, political science, business, communication, writing, philosophy, psychology, language and computer science.

### Progression Policy

In order to progress to the junior level of the criminal justice administration program, students must meet all of the following minimum requirements:

- a minimum cumulative grade point average of 2.00;
- a grade of C (2.00) or higher in all criminal justice administration (CRJ) courses and all non-criminal justice administration courses required for the criminal justice administration major; and
- a recommendation from the Criminal Justice Administration Progression Committee upon review of a written application submitted by the student setting forth (1) a statement that the student has met all of the minimum requirements and (2) a statement of the student's good character.

In order to graduate with a degree in criminal justice administration, students must obtain a grade of C (2.00) or higher in all criminal justice administration (CRJ) courses and all non-criminal justice administration courses required for the criminal justice administration major.

A student may repeat a maximum of two criminal justice administration (CRJ) courses, but a student may repeat the same criminal justice administration (CRJ) course only one time. A student who fails to meet the minimum requirements for progression shall be prohibited from enrolling in junior level criminal justice administration courses.

If a student fails to meet the requirements for progression, he or she may submit a written appeal to the Criminal Justice Administration Progression Committee setting forth the reasons for the student's failure to meet the minimum requirements for progression. Upon review of a student's appeal, the Criminal Justice Administration Progression Committee shall (1) refuse the appeal or (2) grant the appeal and allow the student no more than two semesters to meet the minimum progression requirements.

Returning students and transfer students shall be subject to the Progression Policy in effect on the date of their return or transfer. Students who apply to change their major to Criminal Justice Administration must satisfy all requirements of the Progression Policy, including receiving a recommendation from the Progression Policy Committee, before enrolling in junior-level Criminal Justice Administration classes.

The Criminal Justice Administration Progression Committee shall be composed of the Chair of the Department of Criminal Justice Administration and two full-time Criminal Justice Administration faculty members.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## CRIMINAL JUSTICE ADMINISTRATION MAJOR

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
COM	228	3	Business and Professional Speaking .....	2 or 3
CRJ	109	3	Criminal Justice Administration .....	1F
	115	3	Law and the United States Legal System.....	1S
	135	1	Career Development in Criminal Justice .....	1S
	209	3	Private Security Administration.....	2 or 3
	217	3	American Policing .....	2 or 3
	218	3	Criminal Investigation .....	2
	219	3	Criminal Law .....	2
	227	3	Corrections.....	2 or 3

CRJ	305	3	Use of Force..... 3 or 4 or CRJ 349, Controlled Substances and Substance Abuse
	315	3	The Victim and the Justice System .....3
	328	3	Criminal Procedure .....3
	339	3	Juvenile Justice System .....3
	406	4	Law and Evidence.....4
	409	3	Current Issues in Criminal Justice..... 4S
	—	9	Any three Criminal Justice Administration courses other than CRJ 465.
	—	—	—
—	—	6	Any two Criminal Justice Administration courses other than CRJ 465 or any course from list of recommended courses
POL	105	3	American National Government .....1
PSY	105	3	Introduction to Psychology .....1
SOC	105	3	Principles of Sociology .....1 or SOC 106, Societies
	327	3	Cultural Differences in 21st Century America..... 3 or 4 or HIS 338, History of American Minority Relations (cross-listed as SOC 307, Minority Relations)
		71	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).

#### Recommended Courses (Complementary Disciplines)

ACC	102	3	Principles of Financial Accounting
CSC	116	3	Computer Programming I
	117	3	Computer Programming II
	119	3	Computer Hardware and Architecture
LAN	195	3	Special Topics in Language
MAT	215	3	Applied Statistics I
MGT	205	3	Principles of Management
PHL	106	3	Logic
	205	3	Ethics
POL	208	3	State and Local Government
	306	3	American Constitutional Law
	309	3	International Relations
PSY	106	3	Social Psychology
	107	3	Human Development: A Life Span Perspective
	215	3	Human Violence and Survival
SOC	205	3	Social Problems
	308	3	Deviant Behavior
	315	3	Juvenile Delinquency
	316	3	Criminology
	406	3	Social Science Research Methods
SPN	101	3	Elementary Spanish I
	102	3	Elementary Spanish II
	201	3	Intermediate Spanish I
	202	3	Intermediate Spanish II

## CRIMINAL JUSTICE ADMINISTRATION COURSE OFFERINGS

### **CRJ 109. Criminal Justice Administration** **3 credits**

An overview of the American criminal justice system dealing with the role, functions, and administration of the police, courts, and correctional institutions; the constitutional and practical limits of police power, the trial process, the sentencing structure; and the functions of the numerous agencies within the criminal justice system.

### **CRJ 115. Law and the United States Legal System** **3 credits**

An examination of the American judicial system, highlighting state, local, and federal tribunals, including an assessment of their hierarchy, subject matter jurisdiction, and administration. Also reviewed will be judicial reasoning, judicial process and the personnel responsible for judicial operations. Prerequisite: CRJ 109 or permission of the department chair.

### **CRJ 135. Career Development in Criminal Justice** **1 credit**

An introduction to the skills that are vital to be successful in various areas of the criminal justice system. This course will serve to provide a broad description of careers in criminal justice, while introducing students to professionals in the various disciplines and the tools utilized in training. Spring

### **CRJ 209. Private Security Administration** **3 credits**

This course is an administrative and managerial overview of the security field with emphasis on the private sector and its interaction with the public sector law enforcement agencies. Coverage will include consideration of security management problems involving security personnel, budgeting, risk management, physical security programs and safety policies. Additional coverage will include ways that security prepares for labor disputes, demonstrations, civil disorders, riots, terrorism, industrial espionage, and organized crime. Particular emphasis will be placed on issues that arise with organizations that operate under constraints imposed by federal and state regulatory agencies. Prerequisite: CRJ 109

### **CRJ 217. American Policing †** **3 credits**

Topics considered include the historical foundations of police processes in America, occupational roles and tasks of law enforcement, and the nature and designs of typical, as well as innovative police systems. Problems of policing and community interaction are also an essential component of the course. Prerequisite: CRJ 109

### **CRJ 218. Criminal Investigation** **3 credits**

A practical and theoretical assessment of the investigating process in the civil and criminal realm is the chief focus of this course. Covered matters include: witness examination, collection and presentation of evidence, surveillance techniques, photographic reproduction, physical and demonstrative evidence, as well as unique and specialized techniques for specific crimes. Prerequisite: CRJ 109.

### **CRJ 219. Criminal Law** **3 credits**

An introduction to substantive criminal law which includes a review of the social, philosophical, and legislative foundations of crimes codification. Specific crimes against the person, property, and public order are discussed and various judicial issues relative to the mental states of criminal liability will be covered. Prerequisites: CRJ 109 or CRJ 115.

### **CRJ 227. Corrections** **3 credits**

An in-depth study of institutional corrections and community corrections. This course is designed to cover all aspects of the correctional system, including community corrections, institutional management and design, release philosophy, bail and retention, goals of sentencing, careers in corrections, as well as safety and security. Prerequisite: CRJ 109. Fall

### **CRJ 235. Criminal Justice Report Writing** **3 credits**

This course provides an overview of the necessity of properly prepared and grammatically correct police reports. This course also introduces the methodologies employed in report writing within the criminal justice system, to include reports prepared by police, probation and correction officers. Additionally, it will introduce students to report writing from the private security prospective. The course will also highlight the top 25 grammatical mistakes that encompass over 80% of all grammatical errors.

Prerequisite: CRJ 109. (Offered when interest is expressed and departmental resources permit.)

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† indicates a special fee is charged

**CRJ 305. Use of Force****3 credits**

This course examines options in use of force, and how it relates to the peace officer in modern day law enforcement applications. Use of force theories, issues, and training paradigms will be discussed through lecture and demonstrated in a controlled practical setting. Prerequisite: CRJ 217. Fall

**CRJ 315. The Victim and the Justice System****3 credits**

This course examines the role and place victims play in the justice process. Topics include victims and their testimony, rights, legal legislative and emotional initiatives which seek to make the system more responsive, and the various restitution programs which compensate victims. Prerequisite: CRJ 109 or permission of the department chair.

**CRJ 318. Homeland Security and Intelligence****3 credits**

This course is designed to familiarize the student with the history, development, organizational structure, mission, and the important role of Homeland Security in post September 11th America. This course is in depth study of Homeland Security's various agencies, their functions and relationship to the federal government as well as local police in preventing terrorist attacks against the United States. Topics such as Intelligence Led Policing, Data Mining, Fusion Centers, Cybercrime, Border Security, Immigration, and Foreign and Domestic Threats will be discussed in this course. Activities such as field trips to Intelligence Fusion Centers, and readings such as the official "9/11 Commission Report" will serve to give students insight into the important role of intelligence sharing, and understanding emerging threats to America and law enforcement by radicalized groups or individuals inspired by extreme religious, political, or social change. Prerequisite: CRJ 109. Fall

**CRJ 325. Gang Investigations****3 credits**

This course is designed to provide students with a broad overview of national street gangs, local (neighborhood) street gangs, prison gangs, outlaw motorcycle clubs, hate groups and ethnic and organized crime gangs. Students will explore topics such as the history, membership, recruitment, activities, current trends, and influence of these gangs in the United States. Students will be presented with methods, solutions, and strategies that law enforcement may use to combat the criminal activity associated with gangs including intelligence collection activities. Prerequisites: CRJ 109 and 218. Spring

**CRJ 328. Criminal Procedure****3 credits**

A procedural law course which includes a review of the law of arrests, search and seizure, bail, adjudication, pre- and post-trial activities and the nature of plea bargaining. Substantial emphasis is given the constitutional protections afforded through the Bill of Rights, particularly the 4th, 5th, 6th, 8th, and 14th Amendments. Prerequisites: CRJ 109 or CRJ 115; and CRJ 219

**CRJ 329. Drug Investigations****3 credits**

This course will provide students with an overview of the fundamentals of conducting drug investigations. Topics will include the identification of different types of drugs, how these drugs are manufactured and how these drugs are manufactured and distributed. Additionally, Drug Scheduling will be studied and discussed. The crux of the course will examine different investigative techniques that can be applied, not only in drug cases, but other types of investigations as well. Drug crimes are closely associated with other vice-related offenses, so this course will include lectures on different methods to investigate prostitution and gambling crimes. Prerequisites: CRJ 109 and 218. Fall

**CRJ 335. Criminalistics****3 credits**

An interdisciplinary course covering topics of scientific investigative detection methods and the legal ramifications relating to such evidence and methods of investigation. The course provides a broad based assessment of the law relating to collection, preservation and introduction to forensic evidence, expert testimony, DNA evidence, hair and fiber evidence, ballistics, fingerprints, soil, glass and paint evidence, and blood spatter analysis. Prerequisites: CRJ 109 and CRJ 218. Spring

**CRJ 339. Juvenile Justice System****3 credits**

This course covers the juvenile justice system, with special emphasis on the way it procedurally differs from adult offender adjudication. The parts of the juvenile justice system, hearings, due process standards, and constitutional mandates are fully reviewed. Status offenders and other youth classifications are considered, together with a historical summary of the history of juvenile court philosophy. Prerequisite: CRJ 109 or permission of the department chair.

**CRJ 345. White Collar Crime****3 credits**

This course considers crime committed by corporations as well as white collar criminals; how such crimes are defined, who commits them, who is victimized by them, which moral, ethical, legal and social contexts promote them and how society responds to them. Procedural and policy considerations in the investigation and enforcement of pertinent

statutes will also be covered, including the concept of legal privilege, the role of the grand jury and other pre-trial processes, evidentiary questions, litigation strategies, and potential sanctions and other punishments. Prerequisite: CRJ 109 or permission of the department chair. Fall

**CRJ 349. Controlled Substances and Substance Abuse** **3 credits**

This course will examine and study legal and illegal narcotics and substances, dangerous drugs, and the people who abuse them. It will provide the student with the basic facts and major issues associated with drug-taking behavior on the mind, body, and our society. Prerequisites: CRJ 109 or permission of the department chair. (Spring of even numbered years)

**CRJ 405. Interview and Interrogation** **3 credits**

A practical examination of interview and interrogation techniques used in the investigation of criminal behavior. Covered matters include an in depth review of interviewing and interrogation strategies and legal decisions impacting on the process. Particular emphasis will be placed on the development of interviewing and interrogation skills based on cognitive interviewing techniques and the emotional approach to interrogations. Prerequisites: CRJ 109 and CRJ 218.

**CRJ 406. Law and Evidence (Cross-listed with FSC 406)** **4 credits**

A comprehensive review of common law and statutory evidentiary principles and their impact on and use in the civil process and criminal process. This course will cover: the history and development of the rules of evidence, burdens of proof, relevancy, materiality, competency, judicial notice, stipulations, examination of witnesses, documentary evidence, real evidence, demonstrative evidence, and privileges. The course is taught in a workshop format and students are required to participate in a mock trial. Prerequisites: CRJ 219 and CRJ 328.

**CRJ 409. Current Issues in Criminal Justice** **3 credits**

This course will examine current issues in the criminal justice field to include ethical decision making and dilemmas encountered by professionals in the various related occupations. Corruption, brutality and morality are discussed in relation to the duties of the criminal justice organizations. Systemic issues, legal issues, process issues, issues of social justice, and punishment issues that are relevant to criminal justice practitioners will also be discussed and debated. Prerequisites: CRJ 109, 227, and 315. Spring

**CRJ 415. Advanced Crime Scene Investigation (Cross-listed with FSC 415)** **3 credits**

This course is designed to explore advanced areas of crime scene investigation. This will be an in depth study of topics such as Autopsy, Forensic Anthropology, Collection & Preservation of Evidence, Blood Spatter Analysis, Documentation (sketching; photography; etc.), Death Scene Investigation, and Investigation of Specialized Scenes (explosions; outdoor; accidents). Other activities will serve to give students insight into various aspects of forensic science such as crime scene investigation projects, guest speakers, and field trips. Prerequisites: FSC 105 or CRJ 218. Fall

**CRJ 417. Advanced Law Enforcement Techniques** **3 credits**

A comprehensive review of the criminal justice system to include advanced topics in the areas of Vehicle Code, Crimes Code, Interview and Interrogation, Use of Force, and Rules of Criminal Procedure. Additionally, students will have an opportunity to participate in practical exercises/labs, to include vehicle stops, suspect interviews, search and seizure, and arrest procedures. Prerequisites: CRJ 109, 217, and 218. Spring

**CRJ 465. Criminal Justice Administration Internship** **3-6 credits**

An on-site, experiential learning experience where students work at a variety of locations for academic credit. Intern locations have included government agencies, police departments, federal, state and local law enforcement, private security, courthouses, correctional facilities, juvenile facilities, probation offices, and legal offices. Interns must complete self-evaluation, log, diary, 45 hours per internship credit, and present an acceptable recommendation from the internship supervisor upon completion of the experience. Prerequisites: the approval of the Internship Coordinator, the Departmental Internship Screening Committee and where appropriate, the department chair's permission; a 2.5 grade point average; and junior or senior standing.

**CRJ 475. Advanced Faith and Learning Integration** **3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors.

Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**CRJ 195, 295, 395, 495. Selected Topics in Criminal Justice Administration**

**3 credits**

An in-depth analysis of selected topics in criminal justice administration. (Offered when interest is expressed and departmental resources permit.)

## DATA SCIENCE

DEPARTMENT OF MATHEMATICS, COMPUTER SCIENCE, AND PHYSICS

RICHARD A. LEIPOLD, PH.D., CHAIR

Data science is an interdisciplinary field of study that draws knowledge from areas of mathematics, statistics, computer science, and machine learning. A data scientist learns how to extract data from large collections and perform analyses of that data for various end results. This information can be used to answer questions or form strategies in many areas of our world, e.g., business, cultural, and societal and scientific. Such knowledge extractions and analyses can be delivered in several forms, both structured and unstructured, so visualization techniques are also important. With the continuing growth of data in our society, on the Web, in social media and from experimentation, our society needs more individuals who are trained in the techniques required to obtain appropriate data, develop methods for picturing that data and perform valuable statistical analysis.

The Data Science program at Waynesburg University is designed:

- to provide a coherent and broad-based coverage of the discipline of data science,
- to prepare students for the field of data science by providing the required fundamental courses in mathematics, statistics and computer science,
- to educate students in the main areas of data science, namely data analysis, visualization, data mining, data analytics and machine learning, and
- to provide an environment in which students are exposed to the ethical and societal issues that are associated with the field of data science and to prepare them as professional in that field.

A student majoring in the Data Science program at Waynesburg University, with careful selection of electives, may obtain a minor in mathematics, computer science, or both. The student may also wish to pursue a double major in Data Science and one of the other majors within the Department of Mathematics, Computer Science and Physics. In addition, the Data Science major is designed to allow the student the opportunity for further study at a graduate level.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

**NOTE:** Once a student has completed a course in the department, the student cannot take any course that is in the pre-requisite/Co-requisite sequence leading up to the course taken, without the permission of the Department Chair.

## DATA SCIENCE MAJOR

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
COM	228	3	Business and Professional Speaking .....	2
CSC	105	3	Introduction to Computers .....	1F

CSC	116	3	Computer Programming I.....	1F
	117	3	Computer Programming II.....	1S
	207	3	Data Structures.....	1S
	208	3	Database Management.....	2
	316	3	Systems Analysis and Design.....	2 or 3
	325	3	Analysis of Algorithms.....	2 or 3
	407	3	Artificial Intelligence.....	3 or 4
DSC	205	3	Introduction to Data Science.....	2
	305	3	Data Analysis and Visualization.....	2 or 3
	306	3	Data Mining.....	2 or 3
	405	3	Web Analytics and Mining.....	3 or 4
	406	3	Machine Learning.....	3 or 4
MAT	205	4	Functions and Trigonometry.....	1
	211	4	Calculus I.....	1 or 2
	212	4	Calculus II.....	2 or 3
	215	3	Applied Statistics I.....	1 or 2
	217	3	Applied Discrete Mathematics.....	2
	218	3	Applied Linear Algebra.....	3
	325	3	Applied Statistics II.....	3 or 4
			or MAT 407, Numerical Analysis	
	—	6	Any other 200-level or above CSC, MAT or BUS course	
	—		which has been approved by the student's advisor and	
			which has not been used as one of the above required courses.	
		72	Credits for this major; prerequisite courses may be necessary	
			and the General Education Requirements must be completed	
			(see pages 63-64).	

## DATA SCIENCE COURSE OFFERINGS

### DSC 205. Introduction to Data Science

**3 credits**

This is an introductory course for the Data Science major. Data Science is a study of information, what it represents and how it can be used as a valuable resource for answering questions and forming strategies. Student will be introduced to several software tools used in data science and learn how to formulate hypotheses concerning data, analyze data and report results. The R programming language will be introduced. Pre-requisites: CSC 116 and MAT 215. Spring

### DSC 305. Data Analysis and Visualization

**3 credits**

This course will introduce students to the field by covering trending modeling, analysis and visualization techniques in the field of data science. It will emphasize practical challenges involving complex real-world data and include several case studies and hands-on work with the R programming language. Prerequisites: DSC 205 or MAT 215. Fall

### DSC 306. Data Mining

**3 credits**

This course serves as an introduction to data mining for students. Students will learn about many commonly used methods for predictive and descriptive analytics tasks. They will also learn to assess the methods' predictive and practical utility. Pre-requisites: CSC 208 and DSC 205, or DSC 305. Spring

### DSC 405. Web Analytics and Mining

**3 credits**

This course covers the areas of web analytics, text mining, web mining, and practical application domains. Web analytics studies the metrics of web sites. Google analytics is used for collection of web site data and doing the analysis. Text mining covers the analysis of text including content extraction, string matching, clustering, classification, and recommendation systems. Web crawlers, social web and game metrics and the Internet of Things (IoT) will be discussed. Pre-requisite: DSC 306. Fall

### DSC 406. Machine Learning

**3 credits**

Machine learning is the science of getting computers to act without being explicitly programmed. This course is designed to give the student a thorough grounding in the methodologies, technologies, mathematics and algorithms



currently needed by data science professionals to build data products using machine learning. Pre-requisite: DSC 306.  
Spring

# DIGITAL DESIGN

## DEPARTMENT OF COMMUNICATION

### RICHARD L. KRAUSE, M.A., M.S.J., CHAIR

The digital design field focuses on the study of the use of visual arts to communicate effectively a key message to a specifically targeted audience. The study of digital design includes an examination of the integration of visual and text; the use of emerging technologies, such as web-based technologies and social media platforms; and the use of the basic principles of design for effective presentation.

The objectives of the Digital Design major are to advance student skills in the areas of visual communication, which include photography and design; to provide students with technical knowledge and experience in the digital design field and related fields of communication, such as broadcast journalism and the print media; to develop students' critical thinking skills so that they become thoughtful producers and consumers of mediated messages; and, to prepare students for graduate study in the fields of graphic design, visual communication, or a related communication field.

It is expected that a student in the Digital Design major program will join the Waynesburg University Design Group as well as complete additional field-related experience that may come from areas that include: the Yellow Jacket (newspaper), the Mad Anthony (yearbook), the Public Relations Student Society of America (PRSSA), WCYJ-FM, WCTV, the Sports Information Office, or any other field-related activity approved by the Department of Communication.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## DIGITAL DESIGN MAJOR

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
COM	105	3	Understanding Media.....	1F
	109	3	Multimedia I.....	1
	126	3	Principles of Design.....	1
	209	3	Photography I.....	2 or 3
	211	3	News Writing and Reporting .....	2
	215	3	Web Production .....	2 or 3
	228	3	Business and Professional Speaking .....	2 or 3
	317	3	Communication Law.....	3
	326	3	Social Media Production.....	3
	329	3	Cross Cultural Communication.....	3 or 4
	438	3	Communication Theory and Research .....	3S or 4S
	465	3	Internship .....	4
	466	3	Practicum.....	4F
<b>Specialized Area:</b>				
ART	106	3	Drawing .....	1 or 2

COM	208	3	E-publishing.....	2 or 3
	219	3	Illustration.....	2 or 3
	238	3	Message Design.....	2 or 3
	308	3	Document Design .....	3
	309	3	Photography II .....	3S
	315	3	Web Design .....	3S
	339	3	Creativity Theory and Practice .....	3S
	419	3	Multimedia II.....	3S or 4S
	439	3	Design Seminar.....	3S or 4S
MGT/MKT	—	3	One course to be selected from MGT 205; MKT 205, 207	
	72		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## DIGITAL DESIGN MINOR

### Required Courses

Department	Course Number	Credits	Course Title
COM	126	3	Principles of Design
	208	3	E-publishing
	209	3	Photography I
	215	3	Web Production
	219	3	Illustration
	308	3	Document Design
	315	3	Web Design
	439	3	Design Seminar
		24	Credits for this minor.

## ECONOMICS

DEPARTMENT OF BUSINESS ADMINISTRATION

GORDON W. MCCLUNG, PH.D., CHAIR

## ECONOMICS MINOR

**Residency Requirement:** A minimum of 12 credits must be completed at Waynesburg University.

### Required Courses

Department	Course Number	Credits	Course Title
ACC	101	3	Principles of Managerial Accounting
ECO	202	3	Economics of Business
	—	3	Any Economics course
	—	3	Any Economics course
	—	3	Any Economics course
	—	3	Any Economics course
		18	Credits for this minor

## ECONOMICS COURSE OFFERINGS

**ECO 105. World Poverty and World Development (Cross-listed as INT 105)**

**3 credits**

This class surveys fundamental issues in international development, including food security, public health, environmental resource management, education, population, gender issues and economic development. The course explores the root causes of hunger and poverty, and assesses various development strategies to address these problems. The course will fulfill one of the General Education course requirements in social science. (Offered when interest is expressed and departmental resources permit.)

**ECO 201. Macro Economics (formerly ECO 201, Introduction to Macroeconomics) 3 credits**

Analyses of the determinants of the level of economic activity, employment, price fluctuations, and economic growth are followed by discussions of the nature of current fiscal and monetary policies and the problems concerning international trade.

**ECO 202. Economics of Business (formerly ECO 202, Introduction to Microeconomics) 3 credits**

Analyses of consumer behavior, production costs, and price determination in different market structures are followed by discussions of general equilibrium and selected economic problems.

**ECO 206. Money and Banking 3 credits**

This course consists of a survey of monetary practices and principles, proposed monetary reforms, principles of banking, with special attention to commercial banking and credit regulation. Current monetary and banking developments are considered. Prerequisite: ECO 201. (Offered when interest is expressed and departmental resources permit.)

**ECO 309. International Economics (Cross-listed as INT 309) 3 credits**

Pure theory of international trade. Balance of payments and foreign exchange rates. Commercial policy and the interaction between internal and external equilibrium. International liquidity and the international monetary system. Prerequisites: ECO 201 and 202 or permission of the department chair. (Offered when interest is expressed and departmental resources permit.)

**ECO 325. Managerial Economics 3 credits**

Application of microeconomic theory and analysis to business and administrative problems. Topics to be examined include demand analysis, production and cost analysis, market structures and pricing practices, regulation, risk and capital budgeting. Prerequisite: ECO 202. (Offered when interest is expressed and departmental resources permit.)

**ECO 326. Economics of Sports 3 credits**

This course explores selected aspects of the economics of the sports industry. Focus will be on the four major professional team sports as well as collegiate athletics. Topics include professional sports franchises, economics of sport stadia, professional sports labor markets, government involvement in the sports industry, and the economics of collegiate sports. Prerequisite: ECO 202. (Offered when interest is expressed and departmental resources permit.)

**ECO 327. Labor Relations (Formerly ECO 327, Labor Economics; Cross-listed as MGT 327) 3 credits**

A study of labor. This course will examine labor productivity, industrial relations system, the determination of wages, the various demands for labor, labor migration, the role of unions, the role of government in labor markets, discrimination, collective bargaining, legal aspects of labor relations, union structure and administration, the employer role, union organizing, bargaining issues, the negotiation process, grievances and arbitration, public sector labor relations, and unemployment. Prerequisites: MGT 305; ECO 201 and 202 or approval of department chair. (Offered when interest is expressed and departmental resources permit.)

**ECO 328. Public Finance 3 credits**

A study of government taxing and spending policies. Christian and secular views on government economic activity, consideration of the financing of local, state, and federal government taxation and spending on incentives are examined. Prerequisites: ECO 201, 202. (Offered when interest is expressed and departmental resources permit.)

**ECO 329. Economic Policy 3 credits**

This course examines the parameters of contemporary fiscal, monetary, and international economic policy debates and the major theorists and political figures who are engaged in the economic issues. The course will build upon the insights of the prerequisites ECO 201 (Macro Economics) and ECO 202 (Economics of Business). Students will thoroughly wrestle with topics such as tax policy, regulatory policy, trade and protectionism, pollution, and inflation. Prerequisites: ECO 201 and 202. (Offered when interest is expressed and departmental resources permit.)

**ECO 465. Economics Internship Program 3-6 credits**

A program in which qualified economics majors intern with a business or governmental unit. The student will use this experience to supplement his or her academic program. Prerequisite: Economics minors only, senior standing and consent of the department chair. Graded Credit.

**ECO 195, 295, 395, 495. Seminar in Selected Topics****3-6 credits**

A study of selected economic issues. A research paper is required. Prerequisites: 15 semester hours in economics and a 2.50 average in economics. (Offered when interest is expressed and departmental resources permit.)

**ECO 499. Independent Research****1-6 credits**

A program designed to meet specific interests of the student. A research paper is required. Prerequisites: Senior standing and the consent of the department chair. Maximum total credit allowed is 6 hours.

# EDUCATION

DEPARTMENT OF EDUCATION

KELLEY SOLOMON, ED.D., CHAIR

*For information on the University's graduate programs in education (i.e., M.A.T., M.Ed., post-baccalaureate special education certification, principal certification), see page 328.*

**Teacher Certification Program**

The mission of the Education Department at Waynesburg University is to prepare teachers who embrace learning and dedicate themselves to service and leadership in the profession. Department programs reflect teacher candidate competencies established by the Pennsylvania Department of Education (PDE) and the Interstate Teacher Assessment and Support Consortium (InTASC) professional practice standards. The program graduate will:

- understand how learners grow and develop, recognizing that patterns of learning and development vary individually within and across the cognitive, linguistic, social, emotional, and physical areas, and design and implement developmentally appropriate and challenging learning experiences
- use understanding of individual differences and diverse cultures and communities to ensure inclusive learning environments that enable each learner to meet high standards
- work with others to create environments that support individual and collaborative learning, and that encourage positive social interaction, active engagement in learning, and self-motivation
- understand the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and create learning experiences that make these aspects of the discipline accessible and meaningful for learners to assure mastery of the content
- understand how to connect concepts and use differing perspectives to engage learners in critical thinking, creativity, and collaborative problem solving related to authentic local and global issues
- understand and use multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher's and learner's decision making
- plan instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, and pedagogy, as well as knowledge of learners and the community context
- understand and use a variety of instructional strategies to encourage learners to develop deep understanding of content areas and their connections, and to build skills to apply knowledge in meaningful ways
- engage in ongoing professional learning and use evidence to continually evaluate his/her practice, particularly the effects of his/her choices and actions on others (learners, families, other professionals, and the community), and adapt practice to meet the needs of each learner.
- seek appropriate leadership roles and opportunities to take responsibility for student learning, to collaborate with learners, families, colleagues, other school professionals, and community members to ensure learner growth, and to advance the profession

**Admission to the Education Department and Admission to Student Teaching**

Students seeking admission into Waynesburg University's teacher preparation programs (Pennsylvania State Certification) may, upon admission to the University, declare Early Childhood Education PreK-4; Elementary/Middle Level Education 4-8; Special Education PreK-12; or Secondary Education 7-12 as their certification area. Early Childhood Education PreK-4 majors may elect a curriculum track that provides an additional certification in special

education PreK-8. Middle level and secondary education certification candidates may opt for an additional certification in special education via a five year, dual degree and dual certification program.

Students must apply for formal admission into the Education Department during the second semester of the sophomore year or no later than the semester that the student will accumulate 60 credit hours on transcript. Admission applications are reviewed by the faculty; admission decisions are made at the end of the sophomore year or at the end of the semester when 60 credits are recorded on transcript. Consistent with Pennsylvania Department of Education mandates, formal admission to the Education Department will not occur until students have met the following criteria:

- Satisfactory FBI Federal Criminal History Record Clearance (Fingerprint)
- Satisfactory Pennsylvania General Assembly Act 34 Pennsylvania Criminal Record Clearance
- Satisfactory Pennsylvania General Assembly Act 151 Pennsylvania Child Abuse Record Clearance
- TB Tine Test Negative Results
- Minimum of 48 hours of approved course work listed on transcript
- 3.0 cumulative GPA with a grade of C or higher in Education Department courses
- Six credits of college math on transcript
- Three credits of English composition and three credits of English literature on transcript
- Active membership in Student Pennsylvania State Education Association (SPSEA)
- Satisfactory completion of basic skills assessment requirements as specified in Pennsylvania General Assembly Act 168 of 2014; currently either the Pennsylvania Pre-service Academic Performance Assessment (PAPA) or the PRAXIS Core Academic Skills for Educator Tests meets the requirements for the basic skills assessment
- Basic skills requirement may be met based on SAT or ACT scores; this option must be discussed with the Department Chair
- Formal application including an essay

Admission to the student teaching semester requires the following additional criteria:

- 3.0 cumulative GPA
- Formal application

### **Transfer credits**

Credit is granted by transfer in a manner consistent with University policy. Admission to Education Department teacher preparation programs will be considered on an individual basis for each transfer student. Transfer students must take and pass the Act 168 basic skills assessment prior to program entry/transfer if they have more than 60 credits on transcript and/or have taken professional core courses.

### **Academic Progression**

Students with 60 credits on transcript must meet all Education Department formal admission requirements as listed above before progressing to the fall semester of the junior year and to each succeeding semester. All education courses must be completed with a grade of C or higher. Students may repeat an education course only once. Students must meet all prerequisites listed in the course description before taking that course.

If extenuating circumstances exist, a student who is denied department admission and/or progression may appeal the decision to the department chair. This appeal must be in writing and must specify the extenuating circumstances and include documentation of the basis of the appeal. The department chair cannot waive the Pennsylvania Department of Education certification basic skills testing requirements.

### **Dismissal from the Education Department**

If the Education Department faculty finds that a student does not meet standards considered necessary for successful performance as a professional educator, the student will be dismissed. These standards include, but are not limited to, level of achievement, emotional stability, professional disposition, physical health, and personal conduct.

### **Field Experience Requirements**

The Pennsylvania Department of Education (PDE) requires that individuals enrolled in teacher certification preparation programs participate in developmental field experiences as well as student teaching. The field experience is a mandated component and an integral part of multiple courses within the Waynesburg University ECE, ECE/SPE, MLE, and SED teacher certification programs. Field experience activities begin in the freshman year and continue through the senior year; students will need access to transportation to travel to field experience locations. Students who fail to complete mandated field experiences in a course will be given a maximum final grade of C- in the course and will be required to repeat the course.

Placements for field experiences are arranged by the University Field Placement Coordinator.

### **Program Completion and Teacher Certification**

Completion of degree requirements and eligibility for teacher certification are integrated, separate activities. Upon the successful completion of the requirements of the major program of study, a student will be awarded a degree from Waynesburg University. Upon successful completion of degree requirements including the student teaching experience and successful completion of the state-mandated PRAXIS II Subject Assessments and/or Pennsylvania Educator Certification Tests (PECT) for a given certification area, the Waynesburg University graduate will be eligible to apply to the Pennsylvania Department of Education for teacher certification.

### **Expenses—Education Majors**

Additional personal costs to be incurred by students will include required health examinations, diagnostic TB tests, FBI fingerprinting, state-mandated criminal and child abuse record clearances, transportation costs to and from field placement sites beginning the freshman year, annual membership in SPSEA which includes professional liability insurance for the student, state-mandated assessments for both admission to the program and certification and Pennsylvania teacher certification application fees.

### **Waynesburg University Title II Program Disclosure**

Information is posted on the Waynesburg University Education web site.

### **Major Requirements and General Education Requirements**

In addition to completing the following required courses, students must fulfill the General Education requirements for Waynesburg University as listed in this catalog. In the ECE, ECE/SPE, and MLE major programs, general education requirements are embedded within the curriculum requirements. Major requirements and/or General Education requirements may be changed by the official action of the faculty and/or the Pennsylvania Department of Education.

*Under “Recommended Sequence” below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## **CURRICULUM: UNDERGRADUATE EDUCATION PROGRAMS**

### **EARLY CHILDHOOD EDUCATION MAJOR (PREK-4 CERTIFICATION)**

**Program Description:** The Early Childhood Education Program is an undergraduate degree designed primarily as a concentration in the education of preschool and elementary age children. The degree program is required for a PreK-4 teaching certification. The program emphasizes the knowledge, skills, and competencies required for successful teaching in the 21st century PreK-4 classroom. Courses focus upon research-based, developmentally appropriate instructional practices. Field experiences are integrated with course work beginning in the freshman year.

#### **Required Courses**

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
ART	217	3	Art in the Elementary School.....	3S
BIO	118	4	Human Biology for Non-Majors.....	3F
			or ENV 117, Introduction to Environmental Science	
BMS	105	3	Introduction to the Old Testament .....	2S
			or BMS 106, Introduction to the New Testament	
ECE	105	3	Introduction to Teaching PreK-4 .....	1F
	106	3	Creative Arts in PreK-4 .....	1F
	108	3	Early Literacy Development .....	2F
	109	3	Language Development in PreK-4 - Birth-Grade 1 .....	1S
	115	3	Typical Atypical Development 0-5 (Cross-listed as SPE 115) .....	1F
	205	3	Language Development in PreK-4 – Grade 2-4 .....	2F
	209	3	Literacy Development in the Elementary Grades .....	2S
	306	3	PreK-4 Curriculum .....	3F

ECE	307	3	Teaching the Language Arts .....	3S
	401	3	Math Methods I PreK-4 .....	3S
	402	3	Math Methods II PreK-4 .....	4F
	405	3	Literacy: Differentiation and Remediation .....	4F
	407	3	Social Studies Methods PreK-4 .....	4F
	408	3	Science Methods PreK-4 .....	4F
	409	3	Health Methods PreK-4 .....	3S
ECSPE	409	12	PreK-4/Special Education Student Teaching .....	4S
	415	2	PreK-4/Special Education Student Teaching Seminar .....	4S
EDU	107	3	Technology in Education .....	1S
	215	3	Teaching the English Learner PreK-12 .....	1S
ENG	101	3	College Composition I .....	1F
	102	3	College Composition II .....	1S
	308	3	The Study of Children's Literature .....	2S
GLG	106	4	Physical Geology and Oceanography .....	2S
			or GLG 107, Basic Meteorology and Space Science	
HIS	101	3	The United States to 1865 .....	2F
			or HIS 102, The United States since 1865	
LSK	101	1	Wellness .....	3F
			or LSK 125, Varsity Sports	
MAT	—	3	Approved Course .....	1F
	—	3	Approved Course .....	2F
MUS	119	3	Music in the Elementary Classroom .....	2S
PHL	105	3	Introduction to Philosophy .....	2F
SLR	107	1	Service Learning for Education .....	3F
SPE	209	3	Introduction to Exceptional Individuals .....	1S
			(Cross-listed with PSY 209)	
	316	3	Assessment in the Inclusive Classroom .....	3F
	325	3	Instructional Strategies in the Inclusive Classroom .....	3S
	405	3	Issues and Trends in ECE/SPE Seminar .....	4F
WBE	406	3	Communication and Collaboration in ECE/SPE .....	4F
	108	1	Fiat Lux .....	1F

Required credits for this major: .....	80.0
Additional credits for General Education requirement: .....	41.0
Elective credits: .....	3.0
Total credits required for graduation: .....	124.0

#### EARLY CHILDHOOD EDUCATION MAJOR WITH SPECIAL EDUCATION CERTIFICATION OPTION

**Program Description:** The Special Education Certification Option for Early Childhood Education Majors leads to dual teaching certifications in PreK-4 and Special Education PreK-12. Teacher candidates are prepared to teach students with disabilities in general education inclusive settings and in special education settings.

#### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
SPE	115	3	Typical Atypical Development 0-5 .....	1F
	208	3	Instructing Students with Mild/Moderate Disabilities .....	2F
	209	3	Introduction to Exceptional Individuals .....	1S
			(Cross-listed with PSY 209)	
	305	3	Teaching Students with Severe Disabilities .....	3S
	306	3	Teaching Students with Emotional Disturbance .....	3F
	307	3	Teaching Students with Learning Disabilities .....	3S

SPE	308	3	Teaching Students with Developmental Disabilities.....	3F
	316	3	Assessment in the Inclusive Classroom .....	3F
	325	3	Instructional Strategies in the Inclusive Classroom .....	3S
	405	3	Issues and Trends in ECE/SPE Seminar .....	4F
	406	3	Communication and Collaboration in ECE/SPE.....	4F
Required credits for this option: .....				15.0
Additional required credits for Early Childhood Education Major: .....				80.0
Additional required credits for General Education:.....				41.0
Total Credits required for graduation:.....				136.0

Students selecting this option are encouraged to participate in the student chapter of the Council for Exceptional Children (CEC), the largest professional organization in the world for individuals working with children with special needs.

#### ELEMENTARY/MIDDLE LEVEL EDUCATION MAJOR (4-8 CERTIFICATION)

**Program Description:** The Elementary/Middle Level Education Program is an undergraduate degree designed primarily as a concentration in the education of upper elementary and middle school students. The degree program is required for a grades 4-8 teaching certification; teacher candidates are prepared as upper elementary teacher generalists and middle level teacher specialists. Students enrolled in this major are required to have two middle level specializations, one of which has to be either Math or Science. Students may choose from the following five concentrations: English/Language Arts and Mathematics, English/Language Arts and Science, Social Studies and Mathematics, Social Studies and Science, or Science and Mathematics. Field experiences are integrated with course work beginning in the freshman year.

##### Required Courses for English/Language Arts and Mathematics Concentration

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO	118	4	Human Biology for Non-Majors.....	3F
			or ENV 117, Introduction to Environmental Science	
BMS	105	3	Introduction to Old Testament .....	4F
			or BMS 106, Introduction to the New Testament	
EDU	107	3	Technology in Education .....	1S
	115	3	Introduction to Middle Level and Secondary Education.....	1F
	215	3	Teaching the English Learner PreK-12 .....	2S
ENG	101	3	College Composition I.....	1F
	102	3	College Composition II.....	1S
	308	3	Study of Children's Literature .....	3S
	316	3	Adolescent Literacy .....	2S
	338	3	Teaching Grammar and Writing .....	3S
	—	3	ENG Elective .....	2F
	—	3	ENG Elective .....	3F
Fine Arts	—	3	Approved courses .....	2S
GEO	105	3	Introduction to Geography .....	1F
GLG	106	4	Physical Geology and Oceanography .....	1S or 2F
	107	4	Basic Meteorology & Space Science .....	1S or 2F
HIS	101	3	The United States to 1865.....	2S
			or HIS 102, The United States since 1865	
	206	3	Twentieth-Century World History and Culture.....	2F
HIS	339	3	Pennsylvania History: Beginnings to Present .....	4F
LSK	101	1	Wellness.....	2S
			or LSK 125, Varsity Sports	
MAT	106	3	Beginning Algebra.....	1F



			or MAT 107, Practical Mathematics for Everyday Life	
MAT	108	3	Intermediate Algebra .....	1S
	204	3	Math in the Middle School .....	3S
	205	4	Functions and Trigonometry .....	2F
	211	4	Calculus I.....	2S
	215	3	Applied Statistics I.....	3F
MSE	206	3	Elementary/Middle Level Educational Psychology .....	2F
	305	3	Elementary/Middle Level Curriculum .....	3F
	306	3	Elementary/Middle Level Science Methods .....	3F
	307	3	Elementary/Middle Level Reading/Language Arts.....	3F
	308	3	Elementary/Middle Level Social Studies Methods .....	3F
	309	3	Elementary/Middle Level Math Methods .....	4F
	315	3	Elementary/Middle Level English Methods .....	4F
	405	2	Elementary/Middle Level Practicum .....	4S
	406	2	Elementary/Middle Level Student Teaching Seminar .....	4S
	407	12	Elementary/Middle Level Student Teaching.....	4S
PHL	105	3	Introduction to Philosophy.....	4F
PHY	105	3	Basic Physics .....	3S
PSY	202	3	Developmental Psychology: The Adolescent.....	3S
SLR	107	1	Service Learning for Education .....	2S
SPE	209	3	Introduction to Exceptional Individuals.....	1S
	316	3	Assessment in Inclusive Classroom .....	4F
	325	3	Instructional Strategies/inclusive Classroom .....	3S
WBE	108	1	Fiat Lux.....	1F
Required Credits for this option: .....				138.0
Total Credits required for graduation: .....				138.0

#### Required Courses for Social Studies and Mathematics Concentration

Department	Course		Course Title	Recommended Sequence Year/Semester
	Number	Credits		
BIO	118	4	Human Biology for Non-Majors.....	3F
			or ENV 117, Introduction to Environmental Science	
BMS	105	3	Introduction to Old Testament .....	1S
			or BMS 106: Introduction to the New Testament	
ECO	201	3	Macro Economics .....	3S
			or ECO 202, Economics of Business	
EDU	107	3	Technology in Education .....	1S
	115	3	Introduction to Middle Level and Secondary Education.....	1F
	215	3	Teaching the English Learner PreK-12 .....	3S
ENG	101	3	College Composition I.....	1F
	102	3	College Composition II.....	1S
	308	3	Study of Children's Literature .....	3S
	316	3	Adolescent Literacy .....	2S
Fine Arts	—	3	Approved courses .....	2S
GEO	105	3	Introduction to Geography .....	2F
GLG	106	4	Physical Geology and Oceanography .....	2F or 2S
	107	4	Basic Meteorology & Space Science .....	2F or 2S
HIS	101	3	The United States to 1865.....	1S
			or HIS 102, The United States since 1865	
	206	3	Twentieth-Century World History and Culture.....	2F
	339	3	Pennsylvania History: Beginnings to Present .....	4F

LSK	101	1	Wellness.....	3F
			or LSK 125, Varsity Sports	
MAT	106	3	Beginning Algebra.....	1F
			or MAT 107, Practical Mathematics for Everyday Life	
	108	3	Intermediate Algebra .....	1S
	204	3	Math in the Middle School .....	3S
	205	4	Functions and Trigonometry.....	2F
	211	4	Calculus I.....	2S
	215	3	Applied Statistics I.....	3F
MSE	206	3	Elementary/Middle Level Educational Psychology .....	2F
	305	3	Elementary/Middle Level Curriculum .....	4F
	306	3	Elementary/Middle Level Science Methods .....	3F
	307	3	Elementary/Middle Level Reading/Language Arts.....	3F
	308	3	Elementary/Middle Level Social Studies Methods .....	3F
	309	3	Elementary/Middle Level Math Methods .....	4F
	315	3	Elementary/Middle Level English Methods .....	4F
	405	2	Elementary/Middle Level Practicum .....	4S
	406	2	Elementary/Middle Level Student Teaching Seminar .....	4S
	407	12	Elementary/Middle Level Student Teaching.....	4S
PHL	105	3	Introduction to Philosophy.....	4F
PHY	105	3	Basic Physics .....	2S
POL	105	3	American National Government .....	1F
	208	3	State and Local Government.....	3F
PSY	202	3	Developmental Psychology: The Adolescent.....	3S
SLR	107	1	Service Learning for Education .....	3F
SPE	209	3	Introduction to Exceptional Individuals.....	1S
	316	3	Assessment in Inclusive Classroom .....	4F
	325	3	Instructional Strategies/inclusive Classroom .....	3S
WBE	108	1	Fiat Lux.....	1F
Required Credits for this option: .....				138.0
Total Credits required for graduation: .....				138.0

#### Required Courses for Science and Mathematics Concentration

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
BIO	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
BMS	105	3	Introduction to Old Testament .....	4F
			or BMS 106, Introduction to the New Testament	
CHE	121	3	General Chemistry I.....	2F
	121L	1	Laboratory for General Chemistry I.....	2F
EDU	107	3	Technology in Education .....	1S
	115	3	Introduction to Middle Level and Secondary Education.....	1F
	215	3	Teaching the English Learner PreK-12 .....	3S
ENG	101	3	College Composition I.....	1F
	102	3	College Composition II.....	1S
	308	3	Study of Children's Literature .....	2S
ENG	316	3	Adolescent Literacy .....	3S
Fine Arts	—	3	Approved courses .....	2S
GEO	105	3	Introduction to Geography .....	2F
GLG	106	4	Physical Geology and Oceanography .....	1F or 1S

GLG	107	4	Basic Meteorology and Space Science .....	1F or 1S
HIS	101	3	The United States to 1865.....	2F
			or HIS 102, The United States since 1865	
	206	3	Twentieth-Century World History and Culture.....	3F
	339	3	Pennsylvania History: Beginnings to Present .....	4F
LSK	101	1	Wellness.....	3S
			or LSK 125, Varsity Sports	
MAT	106	3	Beginning Algebra.....	1F
			or MAT 107, Practical Mathematics for Everyday Life	
	108	3	Intermediate Algebra .....	1S
	204	3	Math in the Middle School .....	3S
	205	4	Functions and Trigonometry .....	2F
	211	4	Calculus I.....	2S
	215	3	Applied Statistics I.....	3F
MSE	206	3	Elementary/Middle Level Educational Psychology .....	2F
	305	3	Elementary/Middle Level Curriculum .....	4F
	306	3	Elementary/Middle Level Science Methods .....	3F
	307	3	Elementary/Middle Level Reading/Language Arts.....	3F
	308	3	Elementary/Middle Level Social Studies Methods .....	3F
	309	3	Elementary/Middle Level Math Methods .....	4F
	315	3	Elementary/Middle Level English Methods .....	4F
	405	2	Elementary/Middle Level Practicum .....	4S
	406	2	Elementary/Middle Level Student Teaching Seminar .....	4S
	407	12	Elementary/Middle Level Student Teaching.....	4S
PHL	105	3	Introduction to Philosophy.....	3F
PHY	105	3	Basic Physics .....	2S
PSY	202	3	Developmental Psychology: The Adolescent.....	3S
SLR	107	1	Service Learning for Education .....	3S
SPE	209	3	Introduction to Exceptional Individuals.....	1S
	316	3	Assessment in Inclusive Classroom .....	4F
	325	3	Instructional Strategies/Inclusive Classroom.....	3S
WBE	108	1	Fiat Lux.....	1F

Required Credits for this option: .....137.0

Total Credits required for graduation: .....137.0

#### Required Courses for English/Language Arts and Science Concentration

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
BIO	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
BMS	105	3	Introduction to Old Testament .....	3F
			or BMS 106, Introduction to the New Testament	
CHE	121	3	General Chemistry I.....	2F
	121L	1	Laboratory for General Chemistry I.....	2F
EDU	107	3	Technology in Education .....	1S
	115	3	Introduction to Middle Level and Secondary Education.....	1F
	215	3	Teaching the English Learner PreK-12 .....	2S
ENG	101	3	College Composition I.....	1F
	102	3	College Composition II.....	1S
	308	3	Study of Children's Literature .....	3S
	316	3	Adolescent Literacy .....	2S

ENG	338	3	Teaching Grammar and Writing .....	2S
	—	3	ENG Elective .....	3F
	—	3	ENG Elective .....	4F
Fine Arts	—	3	Approved courses .....	2S
GEO	105	3	Introduction to Geography .....	2F
GLG	106	4	Physical Geology and Oceanography .....	1F or 1S
	107	4	Basic Meteorology and Space Science .....	1F or 1S
HIS	101	3	The United States to 1865 .....	2S
			or HIS 102, The United States since 1865	
	206	3	Twentieth-Century World History and Culture .....	2F
	339	3	Pennsylvania History: Beginnings to Present .....	4F
LSK	101	1	Wellness .....	3S
			or LSK 125, Varsity Sports	
MAT	106	3	Beginning Algebra .....	1F
			or MAT 107, Practical Mathematics for Everyday Life	
	108	3	Intermediate Algebra .....	1S
			or MAT 215, Applied Statistics I	
	204	3	Math in the Middle School .....	3S
	205	4	Functions and Trigonometry .....	2F
MSE	206	3	Elementary/Middle Level Educational Psychology .....	2F
	305	3	Elementary/Middle Level Curriculum .....	3F
	306	3	Elementary/Middle Level Science Methods .....	3F
	307	3	Elementary/Middle Level Reading/Language Arts .....	3F
	308	3	Elementary/Middle Level Social Studies Methods .....	3F
	309	3	Elementary/Middle Level Math Methods .....	4F
	315	3	Elementary/Middle Level English Methods .....	4F
	405	2	Elementary/Middle Level Practicum .....	4S
	406	2	Elementary/Middle Level Student Teaching Seminar .....	4S
	407	12	Elementary/Middle Level Student Teaching .....	4S
PHL	105	3	Introduction to Philosophy .....	4F
PHY	105	3	Basic Physics .....	2S
PSY	202	3	Developmental Psychology: The Adolescent .....	3S
SLR	107	1	Service Learning for Education .....	3S
SPE	209	3	Introduction to Exceptional Individuals .....	1S
	316	3	Assessment in Inclusive Classroom .....	4F
	325	3	Instructional Strategies/inclusive Classroom .....	3S
WBE	108	1	Fiat Lux .....	1F

Required Credits for this option: ..... 139.0

Total Credits required for graduation: ..... 139.0

#### Required Courses for Social Studies and Science Concentration

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO	121	4	Principles of Biology I .....	1F
	122	4	Principles of Biology II .....	1S
BMS	105	3	Introduction to Old Testament .....	2S
			or BMS 106, Introduction to the New Testament	
CHE	121	3	General Chemistry I .....	3F
	121L	1	Laboratory for General Chemistry I .....	3F
ECO	201	3	Macro Economics .....	3S
			or ECO 202, Economics of Business	

EDU	107	3	Technology in Education .....	1S
	115	3	Introduction to Middle Level and Secondary Education.....	1F
	215	3	Teaching the English Learner PreK-12 .....	3S
ENG	101	3	College Composition I.....	1F
	102	3	College Composition II.....	1S
	308	3	Study of Children's Literature .....	3S
	316	3	Adolescent Literacy .....	2S
Fine Arts	—	3	Approved courses .....	2S
GEO	105	3	Introduction to Geography .....	2F
GLG	106	4	Physical Geology and Oceanography .....	1F or 1S
	107	4	Basic Meteorology and Space Science .....	1F or 1S
HIS	101	3	The United States to 1865.....	2F
			or HIS 102, The United States since 1865	
	206	3	Twentieth-Century World History and Culture.....	2F
	339	3	Pennsylvania History: Beginnings to Present .....	4F
LSK	101	1	Wellness.....	3F
			or LSK 125, Varsity Sports	
MAT	106	3	Beginning Algebra.....	1F
			or MAT 107: Practical Mathematics for Everyday Life	
	108	3	Intermediate Algebra .....	1S
			or MAT 215, Applied Statistics I	
	204	3	Math in the Middle School .....	3S
	205	4	Functions and Trigonometry.....	2F
MSE	206	3	Elementary/Middle Level Educational Psychology .....	2F
	305	3	Elementary/Middle Level Curriculum .....	4F
	306	3	Elementary/Middle Level Science Methods .....	3F
	307	3	Elementary/Middle Level Reading/Language Arts.....	3F
	308	3	Elementary/Middle Level Social Studies Methods .....	3F
	309	3	Elementary/Middle Level Math Methods .....	4F
	315	3	Elementary/Middle Level English Methods .....	4F
	405	2	Elementary/Middle Level Practicum .....	4S
	406	2	Elementary/Middle Level Student Teaching Seminar .....	4S
	407	12	Elementary/Middle Level Student Teaching.....	4S
PHL	105	3	Introduction to Philosophy.....	4F
PHY	105	3	Basic Physics .....	2S
POL	105	3	American National Government .....	2S
	208	3	State and Local Government.....	3F
PSY	202	3	Developmental Psychology: The Adolescent.....	3S
SLR	107	1	Service Learning for Education .....	3F
SPE	209	3	Introduction to Exceptional Individuals.....	1S
	316	3	Assessment in Inclusive Classroom .....	4F
	325	3	Instructional Strategies/inclusive Classroom .....	3S
WBE	108	1	Fiat Lux.....	1F

Required Credits for this option: .....139.0

Total Credits required for graduation: .....139.0

## SECONDARY EDUCATION CERTIFICATION

**Program Description:** Students seeking certification to teach at the secondary level (grades 7-12) major in an academic content area: Biology, Chemistry, English, History, or Mathematics. At Waynesburg University, the following secondary certification areas are possible: Biology, Chemistry, English, General Science (dual certification with Chemistry), Mathematics and Social Studies (major in history). Students pursuing secondary certification begin

their education-related course work and field experiences during the freshman year. Secondary content area majors must formally apply for admission to the Education Department during the spring semester of their sophomore year.

**Required courses for secondary education certification:**

*Biology, Chemistry, General Science Certification:* PSY 202; EDU 107, 115; ENG 215, 316; SED 206, 305, 306, 405, 406, and 407; SLR 107; SPE 209, 316, and 325.

*English Certification:* PSY 202; EDU 107, 115; ENG 215, 316; SED 206, 305, 315, 405, 406, and 407; SLR 107; SPE 209, 316, and 325.

*Mathematics Certification:* PSY 202; EDU 107, 115; ENG 215, 316; SED 206, 305, 309, 405, 406 and 407; SLR 107; SPE 209, 316, and 325.

*Social Studies Certification (Major in History):* PSY 202; EDU 107, 115; ENG 215, 316; SED 206, 305, 308, 405, 406 and 407; SLR 107; SPE 209, 316, and 325.

**SCIENCE EDUCATION MAJOR (SECONDARY EDUCATION OPTION — GENERAL SCIENCE  
CERTIFICATION — BACHELOR OF SCIENCE)**

**Required Courses**

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO	121	4	Principles of Biology I.....	2F
	122	4	Principles of Biology II.....	2S
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	122	3-4	General Chemistry II .....	1S
			or CHE 206, Inorganic Chemistry	
	122L	1	Laboratory for General Chemistry II .....	1S
			or CHE 206L, Laboratory for Inorganic Chemistry	
EDU	107	3	Technology in Education .....	1S
	115	3	Introduction to Middle Level and Secondary Education.....	1F
ENG	215	3	Language and Teaching of the English Language Learner .....	3S
	316	3	Adolescent Literacy .....	2S
ENV	117	4	Introduction to Environmental Science.....	4F
GLG	106	4	Physical Geology and Oceanography .....	3S
	107	4	Basic Meteorology and Space Science .....	4F
MAT	205	4	Functions and Trigonometry .....	1S
	215	3	Applied Statistics I.....	2
PHY	115	4	Introduction to Astronomy and Cosmology .....	3F
	201	4	Introductory Physics I.....	2F
	202	4	Introductory Physics II.....	2S
PSY	202	3	Developmental Psychology: Adolescent.....	3S
SED	206	3	Secondary Educational Psychology .....	2F or 3F
	305	3	Secondary Curriculum .....	3F
	306	3	Secondary Science Methods .....	3F or 4F
	405	2	Secondary Student Teaching Practicum.....	4S
	406	2	Secondary Student Teaching Seminar .....	4S
	407	12	Secondary Student Teaching.....	4S
SLR	107	1	Service Learning for Education .....	3S
SPE	209	3	Introduction to Exceptional Individuals.....	1S
	316	3	Assessment in the Inclusive Classroom .....	3F
	325	3	Instructional Strategies in the Inclusive Classroom .....	3S
	97-98		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## SPECIAL EDUCATION MAJOR (PREK-12 CERTIFICATION)

**Program Description:** The Special Education Program is an undergraduate degree designed primarily as a concentration in the education of instructing students with exceptionalities. The degree program is required for a PreK-12 teaching certification. The program emphasizes the knowledge, skills, and competencies required for successful teaching in the 21<sup>st</sup> century PreK-12 special education classroom(s). Courses focus upon research-based, developmentally appropriate instructional practices. Field experiences are integrated with course work beginning in the freshman year.

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
ART/MUS/THE	___	3	Any Art, Music, or Theatre Course.....	2S
BIO	118	4	Human Biology for Non-Majors..... or ENV 117, Introduction to Environmental Science	3F
BMS	105	3	Introduction to the Old Testament ..... or BMS 106, Introduction to the New Testament	1S
ECE	105	3	Introduction to Teaching PreK-4 .....	1F
	108	3	Early Literacy Development .....	2F
	109	3	Language Development in PreK-4 - Birth-Grade 1 .....	1S
	115	3	Typical Atypical Development 0-5 (Cross-listed as SPE 115) .....	1F
	205	3	Language Development in PreK-4 – Grade 2-4 .....	2F
	209	3	Literacy Development in the Elementary Grades .....	2S
	307	3	Teaching the Language Arts .....	3S
	401	3	Math Methods I PreK-4 .....	3S
	402	3	Math Methods II PreK-4 .....	4F
	405	3	Literacy: Differentiation and Remediation .....	4F
ECSPE	409	12	PreK-4/Special Education Student Teaching .....	4S
	415	2	PreK-4/Special Education Student Teaching Seminar .....	4S
EDU	107	3	Technology in Education .....	1S
	215	3	Teaching the English Learner PreK-12 .....	2S
ENG	101	3	College Composition I..... or ENG 187H, Honors College Composition I	1F
	102	3	College Composition II..... or ENG 185, Topics in Literary Studies or ENG 188H, Honors College Composition II	1S
	308	3	The Study of Children's Literature .....	2S
Fine Arts	___	3	Fine Arts (art, music, theatre), Language Arts (language, ..... literature, writing, Spanish) or Communication (film, photography, speech)	3F
GLG	106	4	Physical Geology and Oceanography .....	2S
			or GLG 107, Basic Meteorology and Space Science	
HIS	101	3	The United States to 1865..... or HIS 102, The United States since 1865	2F
LSK	101	1	Wellness..... or LSK 125, Varsity Sports	3F
MAT	___	3	Approved Course .....	1F
	___	3	Approved Course .....	2F
PHL	105	3	Introduction to Philosophy .....	2F
SLR	107	1	Service Learning for Education .....	3F
___	___	3	EDUCATION MENU: (select from)..... ECE 306; MSE 305, 306; SED 305, 306	4F
SPE	208	3	Instructing Students with Mild/Moderate Disabilities .....	2F
	209	3	Introduction to Exceptional Individuals.....	1S

	305	3	Teaching Students with Severe Disabilities .....	3S
	306	3	Teaching Students with Emotional Disturbance .....	3F
	307	3	Teaching Students with Learning Disabilities.....	3S
	308	3	Teaching Student with Developmental Disabilities .....	3F
	315	3	Assessment in Grades PreK-8.....	3F
	325	3	Instructional Strategies in the Inclusive Classroom .....	3S
	405	3	Issues and Trends in ECE/SPE Seminar .....	4F
	406	3	Communication and Collaboration in ECE/SPE.....	4F
WBE	108	1	Fiat Lux.....	1F

Required credits for this major:..... 83.0

Additional credits for General Education requirement:..... 41.0

Total credits required for graduation:..... 124.0

### FIVE YEAR, DUAL DEGREE AND DUAL CERTIFICATION PROGRAM (BACCALAUREATE AND MASTER'S DEGREES)

**Program Description:** The five year, dual degree and dual certification program option is available for students in the Elementary/Middle Level 4-8 and secondary 7-12 teaching certification programs. The program is not available for students in the PreK-4 certification program. Students will earn an undergraduate degree and teaching certification in either Elementary/Middle Level 4-8 or secondary 7-12 and a graduate degree, Master of Education in Special Education, with an additional teaching certification in either special education PreK-8 or special education 7-12. Students will be required to successfully complete PECT special education certification exams before admission to final special education practicum.

Students considering the five year, dual degree and dual certification program should formally notify their Education Department advisor no later than the end of the fall semester of their junior year. Students must complete the Intent to Apply for Dual Degree and Dual Certification Program Notice at that time. Formal application to the graduate program must be made no later than March 1 of the senior year. Admission into the graduate program, academic progression, and degree completion is contingent upon the student meeting all criteria established by the Graduate Education Program. Courses in the graduate program are presented in an accelerated, eight week format.

#### Required Courses

##### Year 5 – Summer I

SPE 505: Teaching Students with High Incidence Disabilities — 3 credits

SPE 506: Teaching Students with Low Incidence Disabilities — 3 credits

##### Year 5 – Fall I

EDU 505: Introduction to Educational Technologies — 3 credits

SPE 507: Special Education Processes and Procedures — 3 credits

##### Year 5 – Fall II

SPE 508: Technology to Support Instruction — 3 credits

SPE 509: Content Area Instructional Strategies — 3 credits

SPE 525: Autism Etiology and Characteristics of ASD — 3 credits

##### Year 5 – Spring I

SPE 516: Teaching Students with Behavior and Emotional Disabilities — 3 credits

SPE 547: Teaching in the Inclusive Society — 3 credits

##### Year 5 – Spring II

SPE 548: Advanced Special Education Processes, Procedures, and Instructional Strategies — 3 credits

SPE 517: Practicum — 6 credits

#### Tuition

During a student's 4th year, tuition will be assessed at a flat, undergraduate tuition rate including six graduate credits. Once a student enters the summer of the 5th year, tuition will be assessed at the standard M.Ed. rate. If



students transfer their 4th year M.Ed. course(s) to another school, students will be retroactively assessed the M.Ed. tuition rate for the M.Ed. course(s) taken during the 4th year.

## EDUCATION COURSE OFFERINGS

### **ECE 105. Introduction to Teaching PreK-4** **3 credits**

This course is designed as a beginning exploration into the study of PreK-4 education. Students are introduced to all areas of child development: physical, cognitive, social, emotional, and moral. The contexts of family, culture, and community are emphasized. Other topics in the course include: environmental design, learning and developmental theories, curricular approaches, assessment, pedagogical orientations, and ethics. This class requires a field experience. Fall

### **ECE 106. Creative Arts in PreK-4** **3 credits**

Teacher candidates will explore learning and teaching in, about, and through the creative arts. They will gain experience in the various art forms in the context of exploring creative arts pedagogy and curriculum. The course will focus upon creative arts instruction in PreK-grade 1. Fall

### **ECE 108. Early Literacy Development (Formerly ECE 108, Early Literacy Foundations PreK-1)** **3 credits**

The purpose of this course is to provide education students with an understanding of the development of language and literacy skills in young children. The course will emphasize age appropriate lesson design, instruction and assessment. This class requires a field experience. Fall

### **ECE 109. Language Development in PreK-4 – Birth-Grade 1** **3 credits**

This course will provide teacher candidates an understanding of speech and language acquisition among birth to grade one monolingual and bilingual populations. Some content subject development is discussed using a case study approach to examine real classroom strategies used with young children. Spring

### **ECE 115. Typical Atypical Development 0-5 (Cross-listed with SPE 115)** **3 credits**

The purpose of this course is to provide students with an overview of early child development, typical and atypical, in children ages 0-5. Key developmental domains to be considered include gross and fine motor development, cognitive and communication development. Social and emotional development will also be reviewed with a particular focus on current research on social and emotional development in the context of peers, friendship and social play. This class requires a field experience. Fall

### **ECE 205. Language Development in PreK-4 Education – Grade 2-4 †** **3 credits**

This course will provide teacher candidates an understanding of speech and language acquisition among grades 2-4 monolingual and bilingual populations. Some content subject development is discussed using a case study approach to examine real classroom strategies for children in grades 2-4. This class requires a field experience. Fall

### **ECE 207. Differentiated Reading Instruction PreK-4** **3 credits**

This course will provide teacher candidates the opportunity to examine and study field-based, research-based routines and procedures to manage whole and small group instruction for students in pre-K to 4 using a differentiated instructional approach. An analysis of the various models used to teach children to read will be the starting point for the study of children PreK-4 who have difficulty with literacy. There is an emphasis on the assessment and instruction process along with various remedial strategies and methods used by specialists in the field that complement the understanding of the reading process. A field component is required. (Offered when interest is expressed and departmental resources permit.)

### **ECE 209. Literacy Development in the Elementary Grades** **3 credits** (formerly ECE 209, Foundations of Literacy Development – Grades 2-4)

The purpose of this course is to provide education students with an understanding of the development of language and literacy skills in elementary school children. The course will emphasize age appropriate lesson design, instruction and assessment. This class requires a field experience. Spring

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† indicates a special fee is charged

**ECE 306. PreK-4 Curriculum † 3 credits**

This course leads teacher candidates to consider the interests, needs, and characteristics of PreK-4 learners, and to incorporate their understanding into aspects of early childhood settings, including classroom design, scheduling, assessment/evaluation, and teaching styles. The study of curricular methods is the central theme. This class requires a field experience. Fall

**ECE 307. Teaching the Language Arts 3 credits**

(formerly ECE 307, Foundations of Language Arts Instruction-PreK-4)

This course is an introduction to planning and implementing classroom instruction in the area of the six language arts: listening, speaking, reading, writing, viewing, and visually representing as a means of communication. Teacher candidates learn to write objectives, select appropriate strategies and media, choose age-appropriate materials and manage instruction and evaluation for PreK-4 students. This class requires a field experience. Spring

**ECE 401. Math Methods I PreK-4 3 credits**

This course is a study of concepts and effective teaching strategies in PreK-4 mathematics. Curriculum, teaching, learning, assessment, literacy integration and technology integration will be addressed. An emphasis will be placed upon content and strategies of teaching number sense and operations. Teacher candidates will become proficient in mathematics concepts and learn to apply best practices in mathematics instruction in the PreK-4 classroom. This class requires a field experience. Spring

**ECE 402. Math Methods II PreK-4 3 credits**

This course is a study of concepts and effective teaching strategies in PreK-4 mathematics. Curriculum, teaching, learning, assessment and technology integration will be addressed. An emphasis will be placed upon content and strategies for teaching in the areas of Computation, Fractions, Algebraic Thinking, Geometry, and Measurement and Data. Teacher candidates will become proficient in mathematics concepts and learn to apply best practices in mathematics instruction in the PreK-4 classroom. This class requires a field experience. Fall

**ECE 405. Literacy: Differentiation and Remediation † 3 credits**

(formerly ECE 405, Instructional Strategies for Teaching Reading - PreK-4)

This course will provide teacher candidates the opportunity to examine and implement research-based strategies, routines and procedures to manage whole and small group instruction for PreK-4 students using a differentiated instructional approach. The course will emphasize the data-based instructional decision making process along with the implementation of various remedial strategies and methods to support students in the acquisition of literacy skills. A field component is required. Fall

**ECE 407. Social Studies Methods PreK-4 3 credits**

This course uses an interdisciplinary approach to the teaching of social studies. Methods to teach the skills used by social scientists to analyze and evaluate human behavior will be adapted for use with student in PreK-4 classrooms. This class requires a field experience. Fall

**ECE 408. Science Methods PreK-4 3 credits**

This course emphasizes the study of teaching models and instructional practices. The development and design of processed-based activities for the teacher of PreK-4 science is examined. The investigation of scientific attitudes and inquiry, problem-solving, creative and critical thinking skills necessary for effective PreK-4 level science instruction occurs. This class requires a field experience. Fall

**ECE 409. Health Methods PreK-4 3 credits**

This course is a study of concepts and effective teaching strategies in early childhood health PreK-4 and will provide a context for addressing health standards in the elementary classroom. The course will focus on instructional approaches for the integration of health with other content areas. Curriculum, teaching, learning, assessment, and technology integration will be addressed. Teacher candidates will be instructed in the application of best practices in health instruction in the PreK-4 classroom. This class requires a field experience. Spring

**ECE 195, 295, 395, 495. Special Topics 3 credits**

Topics reflective of current theories and practices in PreK-4 education will be decided upon at the time the student chooses to do a special topics course. (Offered when interest is expressed and departmental resources permit.)

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† indicates a special fee is charged

**ECE 497. Independent Study** **1-6 credits**

Independent research on current problems in the field of PreK-4 education and/or specific field experiences. No more than six credits in this sequence of courses may count toward a major or a baccalaureate degree. Prerequisite: Permission of the department.

**ECSPE 409. PreK-4/Special Education Student Teaching** **12 credits**

Student teaching in grade PreK-4 and special education PreK-12 under the sponsorship of a certified teacher with supervision shared by host teacher and Waynesburg University faculty. Pass-Fail grade. Prerequisite: Final approval of the Education Department. Spring

**ECSPE 415. PreK-4/Special Education Student Teaching Seminar** **2 credits**

This course will reflect contemporary issues and initiatives a beginning teacher in the PreK-4 and special education PreK-12 classroom will face. These issues and initiatives will include, but not be limited to, planning and preparation, classroom environment, instructional delivery, professional conduct, assessment, knowledge of diverse learners, certification, and professional portfolio development. The course will be taken concurrently with ECSPE 409. Spring

**EDU 107. Technology in Education** **3 credits**

This course will encourage exploration of instructional technologies and computer applications for PreK-12 classrooms. Teacher candidates learn about various uses of technology and value their uses in the activities and responsibilities of teaching and learn to use and evaluate types of technology and computer applications to enhance classroom lesson design and instruction. Teacher candidates can expect to interact with a variety of technologies which may be medically or therapeutically necessary to meet the needs of students with disabilities in inclusive settings. This course satisfies the computer literacy skills requirement in the General Education curriculum (see pages 63-64). Spring

**EDU 115. Introduction to Middle Level and Secondary Education †** **3 credits**

An introduction to teaching as a profession in the 21st century middle level and secondary school. Social, philosophical, and historical foundations will be examined with a focus upon the organizational structure of education, pedagogy, assessment, and professionalism. This class required a field experience. Fall

**EDU 215. Teaching the English Learner PreK-12 (Cross-listed with ENG 215)** **3 credits**

Along with a historical approach to the acquisition of language, this course will investigate the instructional needs and appropriate strategies necessary for English language learners in the PreK-12 setting. Along with cultural diversity an emphasis will be placed on the needs in language, instruction, and assessment. Pennsylvania ELL standards will be used for areas of reading, writing, speaking, and listening to allow for planning instruction to assist students in acquiring skills in the English language. Spring

**EDU 255. Tutor Training** **1 credit**

Interdisciplinary in approach, this course is designed to train students in skills to support, mentor and tutor students. Students will develop a tutor portfolio and will participate in opportunities for practical application as well as observation. Drawing from all academic disciplines, topics will include communication skills, learning styles, study skills, learning processes, diversity issues, organizational skills, learning theory, learning disabilities, reading comprehension and student need assessment. Upon successful completion of this course, students will meet the guidelines and standards specified for certification by the College Reading and Learning Association and the National Tutoring Association. Spring

**EDU 256. Peer Education** **1 credit**

A comprehensive training designed to empower students with the core training to educate, confront, listen to and help peers make healthy lifestyle choices. Students will learn about a variety of issues relevant to college living, and will learn to present programs on one or more of these topics. Admission to course is based on faculty/staff recommendation and interview with instructor. Spring

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† indicates a special fee is charged

**EDU 475. Advanced Faith and Learning Integration 3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**EDU 195, 295, 395, 495. Special Topics 3 credits**

Topics reflective of current theories and practices in education will be announced by semester. Prerequisite: Permission of the department chair. (Offered when interest is expressed and departmental resources permit.)

**EDU 497. Independent Study 1-6 credits**

Independent research on current problems in the field of education and/or specific field experiences. No more than six credits in this sequence of courses may count toward a major or a baccalaureate degree. Prerequisite: Permission of the department.

**MSE 205. Elementary/Middle Level English Language Learner 3 credits**

Strategies for meeting the instructional needs of English language learners in grades 4-8. (Offered when interest is expressed and departmental resources permit.)

**MSE 206. Elementary/Middle Level Educational Psychology † 3 credits**

A study of cognitive, developmental, and motivational theory as it applies to /Elementary/Middle Level (grades 4-8) students. Required field experience. Fall

**MSE 305. Elementary/Middle-Level Curriculum † 3 credits**

An introduction to the upper elementary and middle level (grades 4-8) curriculum with an emphasis on lesson and unit planning, including testing and evaluation and classroom management. Required field experience. Fall

**MSE 306. Elementary/Middle Level Science Methods 3 credits**

An introduction to planning and implementing upper elementary and middle level (grades 4-8) classroom instruction including writing objectives that are consistent with PDE Science Anchors and Standards, selecting appropriate strategies and technologies, managing instruction and assessment. Required field experience. (Fall of even numbered years)

**MSE 307. Elementary/Middle Level Reading and Language Arts Methods 3 credits**

A research-based course designed to prepare teacher candidates for planning and implementation of classroom reading and language arts instruction in upper elementary and middle level grades 4-8. Field experience is required. (Fall of even numbered years)

**MSE 308. Elementary/Middle Level Social Studies Methods 3 credits**

A social science approach to the teaching of social studies in the upper elementary and middle level (grades 4-8) classroom. Interdisciplinary themes found in social studies curriculum will be examined. Methods to teach the skills used by social scientists to analyze and evaluate human behavior will be adapted for students in grades 4-8. Required field experience. (Fall of even numbered years)

**MSE 309. Elementary/Middle Level Math Methods 3 credits**

A study of the concepts and effective teaching strategies in Elementary/Middle Level (grades 4-8) mathematics. Teacher candidates will become experts in mathematical concepts and then apply them to best practice in the classroom. Curriculum, teaching, learning, assessment and technology integration will be addressed. Required field experience. (Fall of odd numbered years)

**MSE 315. Elementary/Middle Level English Methods 3 credits**

A research-based course designed to prepare teacher candidates for planning and implementation of English/Language Arts instruction in grades 4-8. Field experience is required. (Fall of odd numbered years)

**MSE 405. Elementary/Middle Student Teaching Practicum 2 credits**

Concentrated field experience in grades 4-8 under the sponsorship of a regular classroom teacher with supervision shared by host teacher and Waynesburg University faculty. This course will be taken concurrently with MSE 406.

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† indicates a special fee is charged

**MSE 406. Elementary/Middle Student Teaching Seminar † 2 credits**

This course will reflect contemporary issues and initiatives a beginning teacher in grades 4-8 will face. These issues and initiatives will include, but not be limited to, planning and preparation, classroom environment, instructional delivery, professional conduct, assessment, knowledge of diverse learners, certification, and professional portfolio development. The course will be taken concurrently with MSE 407.

**MSE 407. Elementary/Middle Student Teaching 12 credits**

Student teaching in grades 4-8 under the sponsorship of a certified teacher with supervision shared by host teacher and Waynesburg University faculty. Pass-Fail grade. Prerequisite: Final approval of the Education Department.

**MSE 195, 295, 395, 495. Special Topics 3 credits**

Topics reflective of current theories and practices in Elementary/Middle Level (grades 4-8) education will be announced by semester. Prerequisite: Permission of the department chair. (Offered when interest is expressed and departmental resources permit.)

**MSE 497. Independent Study 1-6 credits**

Independent research on current problems in the field of upper elementary/middle (grades 4-8) education and/or specific field experiences. No more than six credits in this sequence of courses may count toward a major or a baccalaureate degree. Prerequisite: Permission of the department.

**SED 205. Secondary English Language Learner 3 credits**

Strategies for meeting the instructional needs of English language learners in grades 7-12. (Offered when interest is expressed and departmental resources permit.)

**SED 206. Secondary Educational Psychology † 3 credits**

A study of cognitive, developmental, and motivational theory as it applies to secondary students. Required field experience. Fall

**SED 305. Secondary Curriculum † 3 credits**

An introduction to the secondary level curriculum with an emphasis on lesson and unit planning, including testing and evaluation and classroom management. Required field experience. Fall

**SED 306. Secondary Science Methods 3 credits**

An introduction to planning and implementing classroom instruction in grades 7-12 science including writing objectives that are consistent with PDE Science Anchors and Standards, selecting appropriate strategies and technologies, managing instruction and assessment. Required field experience. (Fall of even numbered years)

**SED 308. Secondary Social Studies Methods 3 credits**

A social science approach to the teaching of social studies in the secondary classroom. Interdisciplinary themes found in social studies curriculum will be examined. Methods to teach the skills used by social scientists to analyze and evaluate human behavior will be adapted for adolescents in grades 7-12. Required field experience. (Fall of even numbered years)

**SED 309. Secondary Math Methods 3 credits**

A study of the concepts and effective teaching strategies in secondary level mathematics with a concentration on grades 7-12. Teacher candidates will become experts in mathematical concepts and then apply them to best practice in the classroom. Curriculum, teaching, learning, assessment and technology integration will be addressed. Required field experience. (Fall of odd numbered years)

**SED 315. Secondary English Methods 3 credits**

The study of contemporary language arts curricula and instructional practices in the secondary level classroom. Required field experience. Spring

**SED 405. Secondary Student Teaching Practicum 2 credits**

Concentrated field experience in grades 7-12 under the sponsorship of a regular classroom teacher with supervision shared by host teacher and Waynesburg University faculty. This course will be taken concurrently with SED 406.

**SED 406. Secondary Student Teaching Seminar † 2 credit**

This course will reflect contemporary issues and initiatives a beginning secondary teacher will face. These issues and initiatives will include, but not be limited to, planning and preparation, classroom environment, instructional delivery, professional conduct, assessment, knowledge of diverse learners, certification, and professional portfolio development. The course will be taken concurrently with SED 407.

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† indicates a special fee is charged

**SED 407. Secondary Student Teaching 12 credits**

Student teaching in grades 7-12 under the sponsorship of a certified teacher with supervision shared by host teacher and Waynesburg University faculty. Pass-fail grade. Prerequisite: Final approval of the Education Department.

**SED 195, 295, 395, 495. Special Topics 3 credits**

Topics reflective of current theories and practices in secondary education will be announced by semester. Prerequisite: Permission of the department chair. (Offered when interest is expressed and departmental resources permit.)

**SED 497. Independent Study 1-6 credits**

Independent research on current problems in the field of secondary education and/or specific field experiences. No more than six credits in this sequence of courses may count toward a major or a baccalaureate degree. Prerequisite: Permission of the department.

**SPE 115. Typical Atypical Development 0-5 (Cross-listed with ECE 115) 3 credits**

The purpose of this course is to provide students with an overview of early child development, typical and atypical, in children ages 0-5. Key developmental domains to be considered include gross and fine motor development, cognitive and communication development. Social and emotional development will also be reviewed with a particular focus on current research on social and emotional development in the context of peers, friendship and social play. This class requires a field experience. Fall

**SPE 208. Instructing Students with Mild/Moderate Disabilities 3 credits**

The purpose of this course is to review evidence-based practices in meeting the learning needs of children in grades PreK-12 with high incidence disabilities including those identified as having or at-risk for learning disabilities, emotional disturbance, and high functioning autism spectrum disorder (ASD). The course also presents students with an overview of the special education evaluation, reevaluation and Individualized Education Program (IEP) process. This course requires a field placement. Fall

**SPE 209. Introduction to Exceptional Individuals (Cross-listed as PSY 209) 3 credits**

This course is designed to introduce teacher candidates to the philosophical, legal, historical foundations of the education of exceptional students. Exceptional is used by educators to describe any individual whose physical, mental, or behavioral performance deviates substantially from the norm, either higher or lower. In this course, exceptional students will include individuals with disabilities and/or giftedness. A study of the models and theories of typical/atypical growth, behaviors and the current identification criteria used to describe the characteristics of exceptional learners will be emphasized. This course requires a field experience. Spring

**SPE 305. Teaching Students with Severe Disabilities 3 credits**

Students will learn and become familiar with a wide range of instructional strategies to facilitate the academic and functional skill success of students in PreK-12 with low incidence or severe disabilities. Teacher candidates will also learn to identify and use specialized resources and assistive technologies in order to implement specially designed instruction for individuals with severe disabilities. This course requires a field experience. Spring

**SPE 306. Teaching Students with Emotional Disturbance 3 credits**

Teacher candidates will learn and become familiar with research-based academic, behavioral, and social interaction strategies and techniques to support PreK-12 students with emotional disturbance. Teacher candidates will also learn to implement behavioral interventions based on functional analyses of behaviors. The importance of collaborating with families and other professional to address students' learning, behavioral and emotional needs will also be emphasized. This course requires a field experience. Fall

**SPE 307. Teaching Students with Learning Disabilities 3 credits**

Teacher candidates will learn and become familiar with a wide range of instructional strategies to facilitate the academic success of PreK-12 students with specific learning disabilities. This course requires a field experience. Spring

**SPE 308. Teaching Students with Developmental Disabilities 3 credits**

The purpose of this course is to provide an overview of the knowledge and skills needed to be effective in teaching students in grades PreK-12 with developmental disabilities and autism spectrum disorders. This course requires a field experience. Fall

**SPE 316. Assessment in the Inclusive Classroom 3 credits**

This course is a study of student assessment practices and the use of the data-based instructional decision making process in the elementary, middle and secondary classroom. Instruction will focus upon formal and informal

assessments including screening measures, progress monitoring, benchmark testing, diagnostic testing, formative assessments, and summative assessments. Fall

**SPE 325. Instructional Strategies in the Inclusive Classroom 3 credits**

The purpose of this course is to review what is known about effective practices for teaching preschool, elementary, middle, and secondary students with and without disabilities in inclusive settings. Teacher candidates will learn methods to create classroom environments that support the learning of all students by designing instruction to meet group and individual learning needs. A field placement is required. Spring

**SPE 405. Issues and Trends in ECE/SPE Seminar 3 credits**

Topics reflective of current and emerging trends in PreK-4 and special education PreK-12 instruction will be explored. Fall

**SPE 406. Communication and Collaboration in ECE/SPE 3 credits**

This course will provide teacher candidates with the collaboration and communication skills necessary to interact and work with various stakeholders across all educational settings. Co-teaching procedures will be explored along with strategies to develop effective home/school partnerships. Fall

**SPE 195, 295, 395, 495. Special Topics 3 credits**

Topics reflective of current theories and practices in PreK-12 special education will be decided upon at the time the student chooses to do a special topics course. (Offered when interest is expressed and departmental resources permit.)

**SPE 497. Independent Study 1-6 credits**

Independent research on current problems in the field of PreK-12 special education and/or specific field experiences. No more than six credits in this sequence of courses may count toward a major or a baccalaureate degree. Prerequisite: Permission of the department.

## ENGINEERING

EVONNE A. BALDAUFF, PH.D., DEPARTMENT OF CHEMISTRY AND FORENSIC  
SCIENCE, CHAIR, AND ENGINEERING LIAISON OFFICER – CHEMISTRY  
JAMES R. BUSH, PH.D., ENGINEERING LIAISON OFFICE – MATHEMATICS  
RICHARD A. LEIPOLD, PH.D., DEPARTMENT OF MATHEMATICS, COMPUTER  
SCIENCE AND PHYSICS, CHAIR

Waynesburg University in conjunction with several cooperating University Schools of Engineering offers five-year (3-2) engineering programs. These provide for completion of chemistry, mathematics, physics, and liberal arts course work during three years at Waynesburg University and completion of the engineering course work in two years at a cooperating university. Upon successful completion of the five year program, the student earns a Bachelor of Science in Engineering degree from the cooperating university and a Bachelor of Science degree from Waynesburg University. Depending on the offerings of the cooperating universities, engineering programs are available in aerospace engineering, engineering and public policy, environmental engineering, industrial engineering, nuclear engineering, mechanical engineering, metallurgy & materials science, and others. During the first three years of the program, short courses are available at some cooperating universities to acquaint the student with engineering opportunities.

Students interested in this program should register with the Engineering Advisory Committee immediately upon entering Waynesburg University, since candidates in each branch of engineering or those planning for a specific cooperating university may follow slightly different programs during their first three years. Students who do not place in MAT 211, Calculus I, during their first semester may have difficulty completing the Waynesburg University portion of the program within three years. The 3-2 engineering student is required to complete the minimum residency requirement (at least 45 credit hours taken at Waynesburg University), the General Education Requirements (see pages 63-64), and the major requirements listed below.

At the beginning of the third year of study at Waynesburg University, students should apply for admission to one of the cooperating engineering schools. Upon completion of one of these programs (including all requirements to continue at the cooperating university) with a science & mathematics and overall grade point average of B or better,

and recommendation by our Engineering Advisory Committee, the student will be accepted at a cooperating university for the last two years of engineering courses. Some cooperating universities also have three-three programs in which after three years at the university the student may earn a Master in Engineering or Master of Business Administration degree along with the Bachelor of Science in Engineering degree.

Waynesburg University has a formal three-two agreement with The Pennsylvania State University in State College, PA.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## ENGINEERING — THREE-TWO PROGRAM (CHEMISTRY MAJOR)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	206	4	Inorganic Chemistry .....	1S
	206L	1	Laboratory for Inorganic Chemistry .....	1S
	211	4	Organic Chemistry I.....	2F
	212	4	Organic Chemistry II .....	2S
	301	4	Physical Chemistry: Thermodynamics and Kinetics.....	2S
	302	3	Physical Chemistry: Quantum Mechanics and Spectroscopy .....	3F
	311	4	Analytical Chemistry .....	3F
	312	5	Instrumental Analysis .....	3S
	327	1	Advanced Spectroscopy Lab.....	3S
CSC	116	3	Computer Programming I.....	1F
	117	3	Computer Programming II .....	1S
	226	3	Programming in C and C++ .....	2F
MAT	211	4	Calculus I.....	1F
	212	4	Calculus II.....	1S
	213	3	Calculus III .....	2S
	406	3	Differential Equations.....	3F or 4F
PHY	211	4	General Physics .....	2F
	212	4	General Physics II.....	2S
	65		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64). The program requirements at a cooperating university must also be completed.	

### Recommended courses

CHE	385	1	Chemistry Seminar I.....	3F
	399	1-5	Undergraduate Research .....	1, 2 or 3
COM	228	3	Business and Professional Speaking .....	3
ECO	201	3	Macro Economics .....	2
	202	3	Economics of Business .....	2
ENG	329	3	Business and Professional Writing.....	3
PHL	106	3	Logic.....	3
PHY	305	4	Electronic Circuits and Instrumentation.....	3



## ENGINEERING — THREE-TWO PROGRAM (MATHEMATICS MAJOR)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	122	3	General Chemistry II .....	2S
	122L	1	Laboratory for General Chemistry II .....	2S
CSC	116	3	Computer Programming I .....	1F
	117	3	Computer Programming II .....	1S
	207	3	Data Structures.....	3
	226	3	Programming in C and C++.....	3
MAT	211	4	Calculus I.....	1F
	212	4	Calculus II.....	1S
	213	3	Calculus III .....	2S
	215	3	Applied Statistics I.....	2S
	216	3	Statics for Engineers .....	2F or 3F
	217	3	Applied Discrete Mathematics.....	2S
	218	3	Applied Linear Algebra .....	2F
	315	3	Introduction to Mathematical Statistics .....	3
	317	3	Operations Research .....	3
	406	3	Differential Equations.....	3
PHY	211	4	General Physics I .....	2F
	212	4	General Physics II.....	2S
	60		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64). The program requirements at a cooperating university must also be completed.	

### Recommended courses

COM	228	3	Business and Professional Speaking .....	3
ECO	201	3	Macro Economics .....	2
	202	3	Business of Economics .....	2
ENG	329	3	Business and Professional Writing.....	3
MAT	316	3	Vector Calculus .....	2F or 3F
PHL	106	3	Logic.....	1
PHY	305	4	Electronic Circuits and Instrumentation.....	3

## ENGLISH

DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES

JILL MOYER SUNDAY, M.A., CHAIR

The mission of the Department of English and Foreign Languages is to cultivate reading, writing, speaking, and research skills in Waynesburg University students to prepare them for successful careers and meaningful lives grounded in Christian faith and service.

Students in the English Program will achieve the following objectives:

- To develop, support, and organize a strong argument in a clear and grammatically correct style.

- To effectively research, use information technologies, and gain a command of citation styles and formatting.
- To cultivate strong reading skills by studying major authors, genres, and literary terminology while applying theory to texts.
- To grow as writers through workshoping, creating texts in several genres, experimenting with a variety of literary techniques, and crafting a personal authorial voice.
- To engage in literary studies as a reflection of the University's commitment to Christian faith and service.
- To prepare for post-graduate opportunities in education, further studies, or the world of professional writing.

English majors can choose among three tracks: creative writing, literature, or professional writing. Secondary Education is offered with either the literature or the creative writing track.

The creative writing track provides developing writers superior skills in fiction, poetry, creative non-fiction, and other genres as well as study in literature and interpretive strategies. Students in this track will be prepared for graduate studies or a position that requires effective writing skills.

The literature track offers students with a passion for reading the opportunity to develop interpretive strategies and gain practice in advanced writing. Students who complete this track are prepared for graduate studies in literature and/or writing, a career in law, or a position that requires strong communication skills.

Professional writing prepares students for work in a field that requires strong communication skills. Students in this track will receive intensive training in advanced writing and research as well as reading and interpreting literature. Upon graduation professional writing students will be prepared for a writing or editing position or to pursue graduate studies in literature, writing, or law.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## ENGLISH MAJOR (CREATIVE WRITING OPTION)

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
COM	228	3	Business and Professional Speaking .....	2, 3, or 4
ENG	155	3	Introduction to Creative Writing.....	1F
	185	3	Introduction to Literary Studies .....	1S
	228	3	Creative Non-Fiction Writing .....	2
	236	3	Intermediate Creative Writing .....	2F
	256	3	The World of Creative Writing.....	2S or 3S
	336	3	Advanced Creative Writing .....	3F
	339	3	Critical Theory.....	3F or 4F
	359	3	Writing Spiritual Autobiographies.....	3S or 4S
	385	3	Advanced Creative Non-Fiction .....	3S or 4S
	499	1	Portfolio Review .....	4
	—	3	Any LAN or SPN course .....	1, 2, 3, or 4
	—	12	Any 300-level or above literature courses.....	2, 3, or 4
	—			
	—			
	—	3	One course to be selected from ENG 348, 349, and 385.....	3 or 4
	—	9	Any three 200-level or above ENG courses.....	1, 2, 3, or 4
	—			
	—			

58 Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).

## ENGLISH MAJOR (CREATIVE WRITING OPTION, WITH SECONDARY EDUCATION)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
EDU	107	3	Technology in Education .....	2S
	115	3	Introduction to Middle Level and Secondary Education.....	1F
ENG	155	3	Introduction to Creative Writing.....	1F
	185	3	Introduction to Literary Studies .....	1S
	215	3	Language and Teaching of the English Language Learner .....	3S
	228	3	Creative Non-Fiction Writing .....	2
	236	3	Intermediate Creative Writing .....	2F
	256	3	The World of Creative Writing .....	2S or 3S
	301	3	American Literature I.....	2S
			or ENG 302, American Literature II	
	311	3	British Literature I .....	3
			or ENG 312, British Literature II	
	316	3	Adolescent Literacy .....	2S
	317	3	World Literature I .....	3
			or ENG 318, World Literature II	
	336	3	Advanced Creative Writing .....	3
	337	3	Shakespeare .....	2F or 3F
	338	3	Teaching Grammar and Writing .....	2S or 3S
	339	3	Critical Theory .....	3F
	499	1	Portfolio Review .....	4
	—	3	One courses to be selected from: ENG 235, 301, 302, 308, 311, 312, 317, 318, 327, 335, 337, 358, or 435.....	2, 3 or 4
	—	3	One course to be selected from: ENG 206, 305, 329, 338, or 345 .....	3 or 4
MAT	106	3	Beginning Algebra.....	1F
			or MAT 107, Practical Mathematics for Everyday Life	
	108	3	Intermediate Algebra .....	1S
			or MAT 215, Applied Statistics I	
PSY	202	3	Developmental Psychology .....	2S
SED	206	3	Secondary Educational Psychology .....	2F
	305	3	Secondary Curriculum .....	3F
	315	3	Secondary English Methods .....	3S
	405	2	Secondary Student Teaching Practicum.....	4
	406	2	Secondary Student Teaching Seminar .....	4
	407	12	Secondary Student Teaching.....	4
SLR	107	1	Service Learning for Education .....	3S
SPE	209	3	Introduction to Exceptional Individuals.....	1S
	316	3	Assessment in the Inclusive Classroom .....	3F
	325	3	Instructional Strategies in the Inclusive Classroom .....	3S
		99	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## ENGLISH MAJOR (LITERATURE OPTION)

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
COM	228	3	Business and Professional Speaking .....	2, 3, or 4
ENG	185	3	Introduction to Literary Studies .....	1S
	301	3	American Literature I or ENG 302, American Literature II .....	2S or 3S
	311	3	British Literature I or ENG 312, British Literature II .....	2S or 3F
	317	3	World Literature I or ENG 318, World Literature II .....	2F or 3S
	339	3	Critical Theory .....	3F or 4F
	435	3	Senior Seminar in Literature .....	4
	499	1	Portfolio Review .....	4
	—	3	Any LAN or SPN course .....	1, 2, 3, or 4
	—	15	LITERATURE: Five courses to be selected from ENG 235, 301, 302, 308, 311, 312, 317, 318, 335, 337, 358, or 435 Three must be 300-level or above. Students may also take special topics courses in literature to fulfill this requirement.....	2, 3, or 4
	—	9	WRITING: Three courses to be selected from ENG 155, 206, 228, 248, 249, 256, 305, 329, 338, 345, 348, 349, 359, or 385. Students may also take special topics courses in creative writing or writing courses to fulfill this requirement....	2, 3, or 4
	—	49	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## ENGLISH MAJOR (LITERATURE OPTION, WITH SECONDARY EDUCATION)

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
EDU	107	3	Technology in Education .....	2S
	115	3	Introduction to Middle Level and Secondary Education.....	1F
ENG	185	3	Introduction to Literary Studies .....	1S
	215	3	Language and Teaching of the English Language Learner .....	3S
	301	3	American Literature I..... or ENG 302, American Literature II .....	2S
	311	3	British Literature I .....	2
			or ENG 312, British Literature II .....	
	316	3	Adolescent Literacy .....	2S
	317	3	World Literature I .....	2
			or ENG 318, World Literature II .....	
	337	3	Shakespeare .....	2F or 3F
	338	3	Teaching Grammar and Writing .....	2S or 3S
	339	3	Critical Theory .....	3F
	499	1	Portfolio Review .....	4
	—	6	Two courses to be selected from:	

	—		ENG 235, 308, 311, 312, 317, 318, 335, 358 or 435
	—		One must be 300-level or above ..... 2, 3, or 4
ENG	—	6	Two courses to be selected from
	—		ENG 155, 206, 228, 248, 249, 256, 305, 329,
			345, 348, 349, 359, or 385
			Students may also take special topics courses in
			creative writing or writing courses to fulfill this
			requirement ..... 2, 3, or 4
MAT	106	3	Beginning Algebra ..... 1F
			or MAT 107, Practical Mathematics for Everyday Life
	108	3	Intermediate Algebra ..... 1S
			or MAT 215, Applied Statistics I
PSY	202	3	Developmental Psychology ..... 3S
SED	206	3	Secondary Educational Psychology ..... 2F
	305	3	Secondary Curriculum ..... 3F
	315	3	Secondary English Methods ..... 3S
	405	2	Secondary Student Teaching Practicum ..... 4
	406	2	Secondary Student Teaching Seminar ..... 4
	407	12	Secondary Student Teaching ..... 4
SLR	107	1	Service Learning for Education ..... 3S
SPE	209	3	Introduction to Exceptional Individuals ..... 1S
	316	3	Assessment in the Inclusive Classroom ..... 3F
	325	3	Instructional Strategies in the Inclusive Classroom ..... 3S
		90	Credits for this major; prerequisite courses may be necessary
			and the General Education Requirements must be completed
			(see pages 63-64).

## ENGLISH MAJOR (PROFESSIONAL WRITING OPTION)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
ART/COM	—	3	VISUAL ART: to be selected from	
			ART 101, 102, 115; COM 126, 209, 218, or 315 ..... 1, 2, 3, or 4	
COM	228	3	Business and Professional Speaking ..... 2, 3, or 4	
	—	6	COMMUNICATION: Two courses to be selected from	
	—		COM 137 or 338; 208, 215, 228, 239, or 317 ..... 1, 2, 3 or 4	
	—	6	COMMUNICATION: Two courses to be selected from	
	—		COM 205, 211, 237, 307, 316, 318, or 326 ..... 2, 3 or 4	
ENG	206	3	Advanced Expository Writing ..... 2, 3 or 4	
			or ENG 228, Creative Nonfiction Writing	
	305	3	Research Writing Skills ..... 2S or 3S	
	329	3	Business/Professional Communications Technical Writing ..... 3 or 4	
	339	3	Critical Theory ..... 3F or 4F	
	345	3	Grants Writing ..... 3S or 4S	
	385	3	Advanced Creative Non-Fiction	
			or ENG 465, Internship ..... 3 or 4	
	499	1	Portfolio Review ..... 4	
	—	3	LAN, SPN, or other language or cultural studies course	
			approved by the department ..... 1, 2, 3, or 4	
	—	12	LITERATURE: Four courses to be selected from	
ENG	—		ENG 235, 301, 302, 308, 311, 312, 317,	
	—		318, 335, 337, 358, or 435	

ENG	—	Three must be 300-level or above.
		Students may take one special topics course in literature to fulfill this requirement ..... 2, 3, or 4
	52	Credits for this major; prerequisite courses .....may be necessary and the General Education Requirements must be completed (see pages 63-64).

## ENGLISH MINOR

### Required Courses

Department	Course Number	Credits	Course Title
ENG	—	6	Two courses to be selected from: ENG 235, 301, 302, 308, 311, 312, 317, 318, 335, 337, 358, or 435 ..... 2, 3, or 4
	—	3	One course to be selected from: ENG 155, 206, 228, 248, 249, 256, 305, 329, 338, 349, 359, or 385 ..... 2, 3, or 4
	—	9	Three 200-level or above ENG courses ..... 2, 3, or 4
	—		
	—	18	Credits for this minor.

## ENGLISH COURSE OFFERINGS

### ENG 101. College Composition I 3 credits

This course is designed to help the student develop strong communication and critical thinking skills through formal and informal writing assignments, challenging readings, stimulating discussion, and group activities. The assignments for the course will prepare students for college-level writing and thinking.

### ENG 102. College Composition II 3 credits

This course continues development as a writer in a university setting by formally introducing the student to research writing. Also, students will learn how to argue ethically and prepare themselves as a useful citizen of their communities, churches, nation, and the world. Students will practice both speaking and writing and will work collaboratively in workshop settings. Prerequisite: ENG 101.

### ENG 155. Introduction to Creative Writing 3 credits

A workshop in the arts of fiction and poetry. Students will become familiar with the conventions of each genre as they strive to develop a personal voice and style. Discussion will focus on student writing and will be supplemented by the exploration of the work of contemporary authors. Fall

### ENG 185. Introduction to Literary Studies 3 credits

This course provides experience in writing and interpreting literature. Students will research and write academic papers exhibiting effective use of sources and MLA style format. Emphasis is placed on the writing process, literary analysis, literary-based research, and in-class writing. Students will engage in critical thinking about the texts and class discussions. An introduction to the field of literary studies, this class is required for all English majors and is open for all who are interested in exploring the study of literature and writing. This course fulfills the second semester of the composition requirement of the General Education curriculum. Prerequisite: ENG 101 or 187. Spring

### ENG 187-188. Honors College Composition 3-3 credits

In these courses, students will gain experience using a variety of writing techniques and critical skills. Researching and crafting academic papers that exhibit effective use of sources and a standard style format is a main objective. Because students in these courses are expected to possess strong writing abilities, the focus will be on developing content and a sophisticated style. Emphasis will be placed on the writing process, critical thinking skills, the development of solid arguments, and in-class writing. Placement in these courses is based upon combined verbal and math scores on the SAT and/or ACT. While these courses fulfill an Honors College requirement, students do not have to be in the Honors Program to enroll. ENG 187 is a pre-requisite for ENG 188. (ENG 187 – Fall; ENG 188 – Spring)

**ENG 206. Advanced Expository Writing****3 credits**

A written communications course designed to develop or refine skills in exposition (writing to inform) and persuasion. Students will learn to generate, select, and sequence information appropriate to the purpose of the message, the subject, and the needs of the audience. Prerequisite: ENG 102 or 188. (Offered when interest is expressed and departmental resources permit.)

**ENG 215. Language and Teaching of the English Language Learner (Cross-listed with EDU 215)****3 credits**

Along with a historical approach to the acquisition of language, this course will investigate the instructional needs and appropriate strategies necessary for English language learners in the PreK-12 setting. Along with cultural diversity an emphasis will be placed on the needs in language, instruction, and assessment. Pennsylvania ELL standards will be used for areas of reading, writing, speaking, and listening to allow for planning instruction to assist students in acquiring skills in the English language. Spring

**ENG 228. Creative Nonfiction Writing****3 credits**

A workshop in creative nonfiction writing. Through reading and writing, students will become familiar with the rhetorical forms and stylistic conventions of the genre. Possible concentrations include the personal essay, impersonal essay, journalistic essay, journalistic novel, and memoir. Students are expected to demonstrate advanced writing ability and awareness of audience. Prerequisite: ENG 102, 185, or 188. (Spring of odd numbered years)

**ENG 235. Topics in Literary Studies****3 credits**

This course offers an introduction to the study of literature through thematic offerings aimed to help the general education student grow spiritually, intellectually, and socially; to spark a love of learning; and to think critically and communicate effectively in writing. The focus is on responsive reading and writing about literature. Topics vary per semester. Topics may include, but are not limited to, *Coming of Age*; *Crime & Punishment*; *Evil*; J. R. R. Tolkien and *Fantasy*; *Love, Sex, Marriage, and the Family*; *Science Fiction*; and *Travel & Adventure*. This course may be repeated up to three times for credit. Prerequisite: ENG 102, 185, or 188.

**ENG 236. Intermediate Creative Writing****3 credit**

A workshop in the arts of fiction and poetry for students eager to continue their development as creative writers. Discussion will focus on students' writing, with additional study of complete books of fiction and poetry by contemporary authors. This course will include individual conferences with the instructor. Prerequisites: ENG 102, 185 or 188; ENG 155 or permission of the department chair.

**ENG 256. The World of Creative Writing (formerly Prosody)****3 credits**

A study of contemporary form and theory of creative writing through examining poems, stories, and creative nonfiction currently published in selected journals. Student will read, discuss, and write about recently published creative writing. The course will also present an understanding of the publication market for creative writing. Prerequisites: ENG 102, 185, or 188; ENG 155.

**ENG 295. Special Topics in Literature or Creative Writing****3 credits**

A study of various particular topics – including individual authors, works, genres, themes–chosen by the members of the department in consultation with students. The topic will usually be different for each semester. This course, when offered as Special Topics in Literature, meets the literature course requirement of the General Education curriculum. Prerequisite: ENG 102, 185, or 188. (Offered when interest is expressed and departmental resources permit.)

**ENG 301. American Literature I****3 credits**

A study of major authors, literary periods, and terms associated with American Literature from the beginnings to 1865. Prerequisite: ENG 102, 185, or 188. (Fall of even numbered years)

**ENG 302. American Literature II****3 credits**

A study of major authors, literary periods and terms associated with American Literature from 1865 to the present. Prerequisite: ENG 102, 185, or 188. (Spring of odd numbered years)

**ENG 305. Research Writing Skills****3 credits**

This course emphasizes collaborative writing/learning skills and research skills. Each student will research and write at least one substantial paper during the semester. This course meets the writing course requirement in the General Education curriculum. Prerequisite: ENG 102, 185, or 188. Spring

**ENG 308. The Study of Children's Literature****3 credits**

A study of literature written for children and of the social trends that have figured in its evolution, for the purpose of furnishing an adult reader with the background necessary for the enjoyment of this extensive literary form. This course

meets the literature course requirement in the General Education curriculum. Prerequisite: ENG 102, 185, or 188.

Spring

**ENG 309. History of the English Language (Cross-listed as LAN 309) 3 credits**

This course covers the history of English, a polyglot language, claimed by Americans and British as their mother tongue. From the earliest beginnings of Old English through the Norman Invasion, Samuel Johnson's dictionary, imposition of Germanic grammar rules, and the advent of the internet, we'll trace the ways in which English came to be what it is today. Prerequisite: ENG 102, 185, or 188. (Offered when interest is expressed and departmental resources permit.)

**ENG 311. British Literature I 3 credits**

A study of major authors, literary periods, and terms associated with British Literature up to Romanticism.

Prerequisite: ENG 102, 185, or 188. (Fall of odd numbered years)

**ENG 312. British Literature II 3 credits**

A study of major authors, literary periods, and terms associated with British Literature from Romanticism to the present. Prerequisite: ENG 102, 185, or 188. (Spring of even numbered years)

**ENG 316. Adolescent Literacy 3 credits**

A study of recent literature for adolescents and appropriate instructional strategies. Prerequisites: ENG 102, 185, or 188. Spring

**ENG 317. World Literature I 3 credits**

A study of selected works of world literature including fiction, drama, poetry, and memoir up to the 17th Century.

Primary focus will be on non-European works. Prerequisite: ENG 102, 185, or 188. (Spring of even numbered years)

**ENG 318. World Literature II 3 credits**

A study of selected works of world literature including fiction, drama, poetry, and memoir from the 17th Century to the present. Texts will be drawn from the post-colonial literature and non-European works composed in the English language representing cultural perspectives from such locals as India, Africa, and the Caribbean as well as world literature in translation. Prerequisite: ENG 102, 185, or 188. (Fall of even numbered years)

**ENG 329. Business and Professional Writing 3 credits**

This course prepares students to write business and professional documents, including, but not limited to, memos, letters, reports, and resumes. Students will also gain experience in technological communication using email, presentation software, and word processing programs. The focus is on clear, concise and error-free writing that follows strict format guidelines. Prerequisite: ENG 102, 185, or 188.

**ENG 335. Gender and Literature 3 credits**

A study of gender from traditional, feminist, and critical perspectives, as reflected in major works of fiction, poetry, drama and cinema. Prerequisite: ENG 102, 185, or 188. (Spring of odd numbered years)

**ENG 336. Advanced Creative Writing 3 credits**

A workshop in the arts of fiction and poetry for students eager to advance further in their development as creative writers. Discussion will focus on students' writing, with additional study of complete books of fiction and poetry by contemporary authors. Also, student will investigate publishing opportunities and how to submit to literary magazines. A further requirement will be to complete and submit a collection of stories or a chapbook of poetry suitable for submission as a portfolio to graduate programs in creative writing. This course will include individual conferences with the instructor. Prerequisites: ENG 102, 185 or 188; ENG 248.

**ENG 337. Shakespeare 3 credits**

A study of several plays by William Shakespeare, representing major phases of his career and the genres of comedy, tragedy, and history. Through the course, students will gain a deeper understanding of the author's major themes, poetic techniques, and modes of characterization as well as the conventions of early modern drama and theatre.

Prerequisite: ENG 102, 185, or 188. (Fall of even numbered years)

**ENG 338. Teaching Grammar and Writing (Formerly ENG 338, Grammar Through Writing) 3 credits**

This course is designed to introduce prospective writing teachers to the theories, practices, and skills of composition pedagogy, which can be applied to teaching writing in a variety of learning situations, from middle and high school classrooms to first year college composition classes and writing center practicum. In this course, students will learn composition theory, history, and pedagogy. They will identify styles of teaching writing, and integrate the necessary background skills including grammar and teaching techniques. Prerequisites: ENG 102, 185, or 188; or permission of the department chair. (Spring of odd numbered years)



**ENG 339. Critical Theory****3 credits**

A survey of the major approaches to the analysis of texts, this course is designed to familiarize students with the work of the most significant theories, theorists and fields of study in critical theory. Students will also gain a strong command of literary terminology and will apply theory to texts and classroom teaching. Prerequisites: ENG 185 and/or at least one 300-level literature course. Fall

**ENG 345. Grants Writing and Research****3 credits**

Based in a process approach, this course provides students with experience writing, editing, and researching the components of an actual grant proposal. Enrollment is limited to junior and senior students. This course meets the writing course requirement in the General Education curriculum. Prerequisite: ENG 102, 185, or 188. Spring

**ENG 358. The Bible as Literature****3 credits**

This course considers the Bible as a work of literature, focusing on the literary forms found within its pages. Topics covered include cultural history of the ancient Hebrews, literature of other ancient Near Eastern cultures, prophetic and wisdom literature, the Gospels as narratives, and parables, letters, and apocalyptic writings as literature. This course does not fulfill the General Education biblical and ministry studies requirement. Prerequisite: ENG 102, 185, or 188. (Spring of even numbered years)

**ENG 359. Writing Spiritual Autobiography****3 credits**

From Augustine's Confessions to contemporary writers, spiritual autobiography is probably the most important genre of religious writing. Students in this course will study the form by reading several texts as the students draft and revise parts of their own spiritual autobiographies. Prerequisites: ENG 102, 185, or 188; ENG 155. (Spring of odd numbered years)

**ENG 385. Advanced Creative Non-Fiction****3 credits**

A workshop for students eager to continue their development as writers. Discussion will focus on students' works, with additional study of contemporary authors. Also, students will investigate publishing opportunities and how to submit their work to literary magazines. Students will be expected to complete and submit a collection of creative non-fiction suitable for submission as a portfolio to a graduate program. Prerequisite: ENG 228. (Spring of even numbered years)

**ENG 395. Special Topics in Literature or Creative Writing****3 credits**

A study of various particular topics – including individual authors, works, genres, themes—chosen by the members of the department in consultation with students. The topic will usually be different for each semester. This course, when offered as Special Topics in Literature, meets the literature course requirement of the General Education curriculum. Prerequisite: ENG 185 or permission of Department Chair. (Offered when interest is expressed and departmental resources permit.)

**ENG 435. Senior Seminar in Literature****3 credits**

This course is an intensive study of literature, theory, rhetoric, research, and writing. Topics vary and are chosen by the instructor. Topics may include, but are not limited to, Chaucer, Milton, The Spirit in Literature, Creation Stories, and Faces of Evil. Students may repeat the course provided they enroll in different topics. Prerequisite: ENG 339.

**ENG 465. Internship****3-6 credits**

On-the-job experience in either an on-campus or off-campus site. Specific internship duties are determined in contractual agreement among the student, the on-site supervisor, and the department internship coordinator. All interns write a proposal, keep a journal of their work experiences, meet regularly with the coordinator, write a final report, and give a public presentation about their internship experiences. Academic credit is three semester credits for 12 hours of work each week or six semester credits for 24 hours of work each week; all internships run 14 weeks. Prerequisites: attendance at three final report meetings prior to time of application, approval of department internship selection committee, approval of the on-site supervisor, a 2.50 grade point average, and junior or senior standing. Graded credit.

**ENG 475. Advanced Faith and Learning Integration****3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when departmental resources permit.)

**ENG 195, 295, 395, 495. Special Topics in Literature or Creative Writing****3 credits**

A study of various particular topics – including individual authors, works, genres, themes–chosen by the members of the department in consultation with students. The topic will usually be different for each semester. This course, when offered as Special Topics in Literature, meets the literature course requirement of the General Education curriculum. Prerequisite: ENG 185 or permission of Department Chair. (Offered when interest is expressed and departmental resources permit.)

**ENG 497. Independent Studies****1-3 credits**

A carefully guided study of selected readings, usually with a definite thematic, historical, biographical, aesthetic, or philosophical connection, or a carefully guided writing, editing, or communications project. The course is open to sophomore, junior, and senior English majors with the approval of their advisor. The course is also open to non-majors with the approval of the English department chair and their major advisors.

**ENG 499. Portfolio Review****1 credit**

Under supervision of an appropriate faculty member, the student will create a portfolio of work accomplished within one's specific area of concentration. This portfolio will be reviewed and evaluated. Required of all English majors in the second semester of the senior year.

## ENVIRONMENTAL SCIENCE

DEPARTMENT OF BIOLOGY, ENVIRONMENTAL SCIENCE, AND HEALTH SCIENCE

CHRISTOPHER A. CINK, PH.D., CHAIR

Waynesburg University offers a course of study leading to a Bachelor of Science degree in Environmental Science. Students entering this fast-growing and dynamic field can expect to become involved directly in addressing some of the most significant problems related to human impacts on the environment.

The Environmental Science program includes courses in biology, ecology, chemistry, geology, environmental policy, mathematics, energy and geographic information science, and applies these courses to the evaluation of current environmental issues from a scientific perspective. This multidisciplinary approach is designed to meet the needs of students who desire a broadly based environmental education in preparation for careers in such areas as environmental consulting, environmental biology and ecology, remediation and restoration, environmental chemistry, and geology and natural resource management and administrative law. The goal of the curriculum is to be flexible, to accommodate the individual career interests of each student and to provide preparation for the ever-growing job market in environmental science. The program is also designed for students who are interested in pursuing graduate school.

Environmental Science majors are strongly encouraged to participate in summer internship opportunities available through many state and federal government agencies, private consulting firms and non-governmental organizations (NGOs). Student interns have the unique opportunity to obtain valuable training and experience with established scientists and other professionals currently working in their field of interest. The internship will provide students with definitive career and research experience using the latest technology that will further strengthen their preparation and competitiveness for jobs or continued education in the environmental area. Second semester juniors and seniors who are interested in research and further graduate study are encouraged to take as an elective BIO 499, Senior Research Projects. This course will guide them in the development of a research investigation in their field of interest, under the direction of an appropriate faculty mentor.

This major requires the successful completion of 95 credits, and 12 of these credits must be from courses at the 300 or 400 level. Students must maintain a cumulative GPA of 2.50 or higher in the major in order to progress to the junior year and senior year. All required courses in the major must be completed with a grade of C- or higher, and a student may repeat a required course no more than once.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under “Recommended Sequence” below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## ENVIRONMENTAL SCIENCE MAJOR

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
BIO	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
	202	4	Vertebrate Zoology .....	2S
	305	4	Ecology.....	3F
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	122	3	General Chemistry II .....	2S
	122L	1	Laboratory for General Chemistry II .....	2S
	205	4	Environmental Chemistry .....	3S
	207	4	Organic and Biochemical Concepts .....	2F or 3F
COM	228	3	Business and Professional Speaking .....	3S or 4S
ENG	345	3	Grants Writing and Research .....	3S or 4S
ENV	117	4	Introduction to Environmental Science.....	1S
	205	3	Introduction to GIS .....	2S or 3S
	217	2	Environmental Studies and Sustainability.....	2S, 3S, or 4S
	308	4	Field Botany Without Borders .....	2F or 3F
			or BIO 209, Botany	
	408	3	Toxicology and Environmental Health .....	3S or 4S
	409	3	Global Issues in Environmental Science.....	3S or 4S
	465	1	Environmental Internship.....	3S or 4F
			or ENV 498, Capstone Environmental Research	
GLG	101	4	Physical Geology .....	2F
	205	3	Hydrogeology .....	2S or 3S
MAT	108	3	Intermediate Algebra .....	1F
	205	4	Functions and Trigonometry .....	1S
	215	3	Applied Statistics I.....	2F
POL	209	3	Public Policy Analysis .....	3S
SLR	155	1	Added Credit Option (ENV 117, 217, or 409).....	1 or 2F
—	—	8	Additional Credits from Recommended Courses	
		84	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

### Recommended Courses

ACC	102	3	Principles of Managerial Accounting
BIO	201	4	Invertebrate Zoology
	215	4	Microbiology
	307	4	Entomology
	308	4	Field Botany without Borders
	315	4	Cell and Molecular Biology
	405	3	Biochemistry
	406	4	Genetics
	495	1-3	Special Topics (permission needed)

BIO	498	1-2	Capstone Research Project
	499	3	Capstone Research Seminar
BUS	228	3	International Business and Cultures
CHE	211	4	Organic Chemistry I
	212	5	Organic Chemistry II
	311	4	Analytical Chemistry
	312	5	Instrumental Analysis
CRJ	109	3	Criminal Justice Administration
	115	3	Law and the United States Legal System
ENG	305	3	Research Writing Skills
ENT	225	3	Introduction to Entrepreneurial Leadership
MGT	205	3	Principles of Management
MKT	205	3	Marketing
POL	309	3	International Relations

Courses offered at an Au Sable Field Station (Michigan, Washington, India, or Africa) and Creation Care Study Program are also open to Waynesburg University students. An appropriate course can be chosen to fit the student's interests. Please contact the director of the environmental science program for more information.

## ENVIRONMENTAL STUDIES MAJOR (BACHELOR OF ARTS)

The BA program in Environmental Studies helps to bridge the gap between scientific and the application of this knowledge to other disciplines which will be required to develop strategies to protect and sustain our planet. The program draws upon the abilities of several departments and programs at the University, including environmental science, biology, chemistry, geology, business, communications, political science, criminal justice and sociology, and is designed to prepare a diverse group of environmental professionals in a growing environmental job market. Students focus on courses in the natural sciences and humanities to provide a framework for the study of critical issues such as the impacts of climate change, water and energy insecurities, ecological degradation, wasteful consumption, our debilitated recycling system, sustainability, corporate responsibility and the development of environmental policies. Employment opportunities for students with a degree in Environmental Studies include environmental consulting, business development, corporate responsibility, communication, regulation and policy, urban planning and sustainability, environmental advocacy, and the management and conservation of natural resources.

Environmental Studies majors begin their program with a foundational curriculum in their freshman and sophomore year, and advance their interests by taking courses in 4 different focal areas in their junior and senior year to provide opportunities for individualized study. Foundational curriculum will include general training in the natural sciences and humanities. Students will then apply this training to the focal areas of business, communication, public policy and sociology, and may choose to focus on one or more areas of study. Students in this program will be exposed to a variety of learning strategies including problem-based learning, laboratory activities, experiential learning and service related to environmental stewardship. Service will focus on both local and global environmental issues.

### Required Courses

Department	Course		Course Title	Recommended Sequence Year/Semester
	Number	Credits		
BIO	121	4	Principles of Biology I.....	1F
	305	4	Ecology.....	3F
BUS	228	3	International Business and Cultures.....	1S or 2S
CHE	106	4	Practical Chemistry for Life.....	1F or 2F
			or CHE 121, General Chemistry I and CHE 121L, Laboratory for General Chemistry I	
COM	228	3	Business and Professional Speaking.....	2
ENG	345	3	Grants Writing and Research.....	3S or 4S
ENV	117	4	Introduction to Environmental Science.....	1F

ENV	205	3	Introduction to GIS .....	2F, 3F or 4F
	217	2	Environmental Studies and Sustainability.....	2S
	308	4	Field Botany Without Borders .....	2F or 3F
	409	3	Global Issues in Environmental Science .....	3S or 4S
	465	1	Environmental Internship.....	3S or 4F
	498	1	Capstone Environmental Research	
GLG	101	4	Physical Geology .....	2F or 3F
HIS	225	3	Environmental History .....	2F, 3F, or 4F
POL	105	3	American National Government .....	1S or 2S
SLR	155	1	Added Credit Option (ENV 117, 217, or 409).....	1 or 2F
SOC	105	3	Principles of Sociology .....	1 or 2
—	—	12	Focal Area Requirement .....	3 or 4
	—			
	—			
	—			
		53	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

#### FOCAL AREA REQUIREMENTS:

Student must select 4 additional courses in focal areas to be taken in their junior and senior year of study. Students may choose a generalized plan of study (12 credits from any focal area) or concentrate on a specific focal area. Projects and research papers in focal areas will focus on environmental issues.

#### BUSINESS

##### Required Courses

Department	Course Number	Credits	Course Title
ACC	101	3	Principles of Managerial Accounting
MGT	205	3	Principles of Management
MKT	205	3	Principles of Marketing
—	—	3	Once course from the following: BUS 358, FIN 305, or ENT 325

#### COMMUNICATION

##### Required Courses

Department	Course Number	Credits	Course Title
COM	105	3	Understanding Media
	109	3	Multimedia I
	126	3	Principles of Design
—	—	3	Once course from the following: COM 237, 315, 329, or 399

#### SOCIAL SCIENCE

##### Required Courses

Department	Course Number	Credits	Course Title
SOC	106	3	Societies
	206	3	Social Problems
SOC	309	3	Urban Sociology
	—	3	Once course from the following: SOC 327, 328, or 405

**PUBLIC POLICY****Required Courses**

<b>Department</b>	<b>Course</b>		<b>Course Title</b>
	<b>Number</b>	<b>Credits</b>	
CRJ	109	3	Criminal Justice Administration
	115	3	Law and the United States Legal System
POL	105	3	Introduction to Politics
—	—	3	Once course from the following: POL 206, 208, 209, 309, 307, or 316

**ENVIRONMENTAL STUDIES MINOR**

The Environmental Studies Minor at Waynesburg University will allow students to explore the relationship between their major course of study and the compelling contemporary issues that connect humans to the environment. Today's society is currently confronted with a multitude of environmental issues which will affect the sustainability of future generations. As our population grows, environmental issues have entered the forefront of concerns of our society, both locally and globally. These issues need to be addressed by scientists, but they will also require an in-depth understanding by those in many other fields of study. Sustainability of our earth's resources will require the expertise of a multitude of disciplines, including the social sciences, public health, international studies, public policy and law, communications, business, education, biblical studies and the arts. The minor in environmental studies will include an interdisciplinary collection of courses which will provide a foundation for students who are educated and directed in working toward an environmentally sustainable future for God's Creation.

**Required Courses**

<b>Department</b>	<b>Course</b>		<b>Course Title</b>
	<b>Number</b>	<b>Credits</b>	
CHE	105	4	Contemporary Topics in Chemistry
			or CHE 106, Practical Chemistry for Life
			or CHE 121, General Chemistry and CHE 121L, Laboratory
			for General Chemistry I
ENV	117	4	Introduction to Environmental Science
	217	1	Environmental Ethics
GLG	101	4	Physical Geology
POL	105	3	American National Government
			or POL 106, Introduction to Politics
	209	3	Public Policy Analysis
—	—	4	Two courses to be selected from:
	—		BIO 395 (environmental emphasis), 409, 465
	—		(environmental emphasis); BMS 215; HIS 225
			SLR 105 (environmental stewardship)
		23	Credits for this minor

**ENVIRONMENTAL SCIENCE COURSE OFFERINGS****ENV 117. Introduction to Environmental Science (cross-listed with BIO 117)****4 credits**

This course is an introduction to the study of issues in environmental science and is intended for students in the environmental science major, the environmental studies minor, and non-majors. Topics include: Ecology, Biodiversity, Environmental Policy and Law, Environmental Ethics, Sustainability, Overpopulation and Consumption, Agriculture and Food, Soil Science, Geology, Global Climate Change, Environmental Health, air and water pollution, and Energy Resources. A major goal of the course is to develop an understanding of how daily actions and attitudes regarding the environment may affect the future of our society. Environmental science majors should take this course in their 1<sup>st</sup> or 2<sup>nd</sup> semester of study. Three hours of lecture and one two-hour laboratory each week.

**ENV 205. Introduction to GIS****3 credits**

This course introduces the concepts and components of a geographic information system (GIS). It also teaches the essential skills of operating a functional GIS through the use of ArcGIS software package and Google Earth. (Spring of even numbered years)

**ENV 209. General Botany (cross-listed with BIO 209)**

**4 credits**

This course is an introduction to plant biology and the importance of plants to human society. Topics include plant structure, physiology, reproduction, diversity, plant identification, and ethnobotany, economic botany, and ecology. Three hours of lecture and one three-hour laboratory period each week. Prerequisites BIO 121-122. (Fall of odd numbered years)

**ENV 217. Environmental Ethics (Cross-listed as BIO 217)**

**2 credits**

This seminar course focuses on past and present human philosophies on nature, Creation Care, and the environment. It applies these philosophies to address current environmental issues in our society. The course will apply environmental ethics to the design of local environmental projects to address campus and community sustainability. Two hours of lecture per week. Prerequisite: ENV 117. (Spring of odd numbered years)

**ENV 308. Field Botany Without Borders (cross-listed as BIO 308)**

**4 credits**

This course provides students with an understanding of why plants are important to the sustainability of our human society and how plants cross the borders of time, geography, and biological disciplines. We will discuss plant form, function and evolution, learn to identify local flora and invasive species, explore ethnobotany, apply methods of ecological restoration and evaluate impacts of climate change. Field trips and special projects will focus how we utilize plants in our modern world including our use in food, fibers, medicinals and energy, and current efforts to sustain native ecosystems. (Fall of even numbered years)

**ENV 408. Environmental Health and Toxicology (cross-listed with BIO 408)**

**3 credits**

An introduction to the science of environmental health and toxicology. Topics include environmental epidemiology, zoonotic and vector-borne diseases, fate and transport of contaminants, heavy metals and pesticides, bioaccumulation, mechanics of biotransformation, endocrine disruption, carcinogenesis and radiation toxicology. Prerequisites: Junior or Senior level status; BIO 202; CHE 121, 122 and 207. (Spring of odd numbered years)

**ENV 409. Global Environmental Issues (cross-listed with BIO 409)**

**3 credits**

A survey of global environmental issues including population and carrying capacity, land degradation and global food production, soil and water conservation, deforestation, biodiversity, energy use and climate change, waste disposal and biotechnology. Examines sustainable technologies to address these concerns and the role of international treaties. Prerequisites: Junior or Senior level status. (Spring of even numbered years)

**ENV 498. Capstone Environmental Research**

**1-2 credits**

This course is designed for senior biology majors to conduct an experimental research project, guided by a faculty member that results in a paper written in a scientific journal format. Progress reports, results, and the final paper will be monitored and assessed by the mentor. Weekly meetings for mentoring are required. Prerequisite: junior or senior status.

**ENV 499. Capstone Research Seminar (cross-listed with BIO 499)**

**3 credits**

An in-depth course designed to emphasize research methods by critically analyzing scientific literature and oral presentation skills. Results from the capstone research project may be presented in this course. A total of three credits is required; one credit will be taken in the spring of the junior year, one credit in the fall semester of the senior year, and one credit in the spring semester of the senior year. Weekly meetings are required. Prerequisites: BIO 121, 122, and junior status.

## EXERCISE SCIENCE

DEPARTMENT OF BIOLOGY, ENVIRONMENTAL SCIENCE, AND HEALTH SCIENCE

CHRISTOPHER A. CINK, PH.D., CHAIR

### Mission Statement of the Exercise Science Program

The Waynesburg University Exercise Science (ESC) program seeks to prepare students for successful careers by supplying a comprehensive liberal arts education and in-depth study in Exercise Science. The program provides

opportunities for student to achieve balance between academic scholarship and the acquisition of skills necessary for careers in healthcare. The curriculum design provides opportunities for the development, synthesis, and demonstration of cognitive competency and professional behavior. The curriculum is enriched in the sciences along with the Christian principles on which the University was founded. The American College of Sports medicine (ACSM) Code of Ethics guides our efforts to provide the means, inspiration and values that will enable our students to pursue successful, productive, and compassionate lives of service.

### **Exercise Science Program Purpose, Goals, and Student Learning Outcomes**

#### **PURPOSE**

The purpose of the ESC program at Waynesburg University is to prepare students for a career in healthcare that leads to the students fulfilling a path of life, leadership, and service with and among others.

#### **GOALS**

The goals of the ESC program are to:

1. Prepare students for employment as exercise, rehabilitation, recreational, educational, or athletic professionals.
2. Provide students the ability to gain experience in their respective fields by developing opportunities for students to learn and practice their knowledge, skills, and abilities under direct supervision of qualified healthcare professionals.
3. Incorporate leadership abilities through the Christian faith by fully engaging in their clinical sites and community services.
4. Provide opportunities for students to participate in the advancement within the field of exercise science.
5. Allow students to compete for scholarly awards, scholarship, and grants.

#### **PROGRAM/STUDENT LEARNING OUTCOMES**

The students, upon completion of the ESC program, will be able to:

1. Demonstrate cognitive and psychomotor competence as a healthcare provider.
2. Integrate communication skills, both written and oral, as a health care provider within the larger context of the health care system to be able to work collectively with other health care professionals.
3. Assess and construct ethical, moral, and legal behavior as a healthcare provider.
4. Integrate the most current technological, innovative, and evidence-based approach to effectively practice with diverse populations in a variety of clinical settings, and with various healthcare professionals.
5. Integrate the Christian tradition/mission to incorporate life, leadership, and service with and among others.
6. Critique and engage in research to enhance the quality of care for the healthcare profession.

#### **PROGRAM PROGRESSION**

Students must maintain a cumulative GPA of 2.50 or higher in the major in order to progress to the junior and senior year.

All required courses in the major must be completed with a grade of C- or higher, and a student may repeat a required course no more than once.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

*Additionally, in some cases, students may have to take additional courses to meet the specific admission requirements of the graduate school/program of their choice (e.g. Physics I & II, Chemistry I & II, etc.).*

## **EXERCISE SCIENCE MAJOR**

### **Required Courses**

#### **Course**

#### **Recommended Sequence**



Department	Number	Credits	Course Title	Year/Semester
BIO	105	2	Medical Terminology .....	1
	121	4	Principles of Biology I.....	1F
	206	4	Human Anatomy.....	1S
	207	4	Human Physiology.....	2F
	216	3	Kinesiology.....	2F
	317	3	Physiology of Exercise .....	4S
CHE	106	4	Practical Chemistry for Life.....	2F
COM	228	3	Business and Professional Speaking .....	1
ESC	205	3	Nutrition for Fitness and Sport.....	2F
	206	2	Personal and Community Health .....	2S
	207	3	Advanced Functional Anatomy .....	2S
	209	4	Essentials of Strength and Conditioning .....	3S
	405	3	Advanced Cardiovascular/Respiratory Physiology.....	3S
	406	3	Administration of Exercise Science .....	4S
	407	3	Seminar in Health Science .....	4S
	408	3	Research Methods in Health Science.....	4F
	409	1	Certification (CSCS Prep).....	4S
	415	3	Assessment and Screening Procedures .....	4S
HSC	465	6	Internship in Exercise Science .....	4
	499	3	Capstone .....	4S
	105	1	Introduction to Health Sciences .....	1F
	136	1	First Aid and CPR – Professional Rescuer.....	3S
	205	3	Sports Medicine Concepts .....	2S
MAT	206	3	Pharmacology for the Health Sciences .....	4F
	106	3	Beginning Algebra.....	1S
PHY	215	3	Applied Statistics I.....	3F
	105	3	Basic Physics .....	1S
PSY	105	3	Introduction to Psychology .....	1
	106	3	Social Psychology.....	3F
			or PSY 107, Human Development: A Life Span Perspective	
	217	3	Sports Psychology .....	2S or 3S
	90		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## EXERCISE SCIENCE MAJOR (PRE-MBA OPTION)

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
ACC	101	3	Principles of Managerial Accounting.....	2F
	102	3	Principles of Financial Accounting.....	2S
BIO	105	2	Medical Terminology .....	1
	121	4	Principles of Biology I.....	1F
	206	4	Human Anatomy.....	1S
	207	4	Human Physiology.....	2F
	216	3	Kinesiology.....	2F
	317	3	Physiology of Exercise .....	4S
CHE	106	4	Practical Chemistry for Life.....	3F
COM	228	3	Business and Professional Speaking .....	1
ECO	201	3	Macro Economics .....	3F
ESC	205	3	Nutrition for Fitness and Sport.....	2F

ESC	206	2	Personal and Community Health .....	2S
	207	3	Advanced Functional Anatomy .....	2F
	209	4	Essentials of Strength and Conditioning .....	3S
	405	3	Advanced Cardiovascular/Respiratory Physiology .....	3S
	406	3	Administration of Exercise Science .....	4S
	407	3	Seminar in Health Science .....	4S
	408	3	Research Methods in Health Science .....	4F
	409	1	Certification (CSCS Prep).....	4S
	415	3	Assessment and Screening Procedures .....	4S
	465	6	Internship in Exercise Science .....	4F
FIN	499	3	Capstone .....	4S
	305	3	Business Finance II .....	3
HSC	105	1	Introduction to Health Sciences .....	1F
	136	1	First Aid and CPR – Professional Rescuer.....	3S
	205	3	Sports Medicine Concepts .....	2S
	206	3	Pharmacology for the Health Sciences .....	4F
MAT	106	3	Beginning Algebra.....	1S
	215	3	Applied Statistics I.....	3F
PHY	105	3	Basic Physics .....	1S
PSY	105	3	Introduction to Psychology .....	1
	106	3	Social Psychology.....	3F
			or PSY 107, Human Development: A Life Span Perspective	
	217	3	Sports Psychology .....	2S or 3S
	102		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64). <i>Note that additional requirements must be met for entrance into the MBA graduate program.</i>	

## EXERCISE SCIENCE MAJOR (PRE-MSAT OPTION)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO	105	2	Medical Terminology .....	1
	121	4	Principles of Biology I.....	1F
	206	4	Human Anatomy.....	1F
	207	4	Human Physiology.....	2S
	216	3	Kinesiology.....	2F
	317	3	Physiology of Exercise .....	4S
CHE	106	4	Practical Chemistry for Life.....	2F
COM	228	3	Business and Professional Speaking .....	3
ESC	205	3	Nutrition for Fitness and Sport.....	2F
	206	2	Personal and Community Health .....	2S
	207	3	Advanced Functional Anatomy .....	2F
	209	4	Essentials of Strength and Conditioning .....	3S
	405	3	Advanced Cardiovascular/Respiratory Physiology .....	3S
	406	3	Administration of Exercise Science .....	4S
	407	3	Seminar in Health Science .....	4S
	408	3	Research Methods in Health Science.....	4F
	409	1	Certification (CSCS Prep).....	4S
	415	3	Assessment and Screening Procedures .....	4S
	465	6	Internship in Exercise Science .....	4
	499	3	Capstone .....	4S

HSC	105	1	Introduction to Health Sciences .....	1F
	136	1	First Aid and CPR – Professional Rescuer.....	3S
	205	3	Sports Medicine Concepts .....	2S
	206	3	Pharmacology for the Health Sciences .....	4F
MAT	106	3	Beginning Algebra.....	1S
	215	3	Applied Statistics I.....	3F
PHY	105	3	Basic Physics .....	1S
PSY	105	3	Introduction to Psychology .....	1
	106	3	Social Psychology.....	3F
			or PSY 107, Human Development: A Life Span Perspective	
	217	3	Sports Psychology .....	2S or 3S
	89		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64). <b><i>Note that additional requirements must be met for entrance into the MSAT graduate program.</i></b> <b><i>Also, all of the 400-level ESC courses above are substituted as graduate-level coursework upon completion of the first year of the MSAT.</i></b>	

## EXERCISE SCIENCE MAJOR (PRE-PHYSICAL THERAPY OPTION)

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
BIO	105	2	Medical Terminology .....	1F
	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
	206	4	Human Anatomy.....	1S
	207	4	Human Physiology.....	2F
	216	3	Kinesiology.....	2F
	317	3	Exercise Physiology.....	4S
CHE	121	3	General Chemistry I.....	3F
	121L	1	Laboratory for General Chemistry I.....	3F
	122	3	General Chemistry II .....	3S
	122L	1	Laboratory for General Chemistry II .....	3S
COM	228	3	Business and Professional Speaking .....	3F
ESC	205	3	Nutrition for Fitness and Sport.....	2F
	206	2	Personal and Community Health .....	2S
	207	3	Advanced Functional Anatomy .....	2F
	209	4	Essentials of Strength and Conditioning .....	3S
	405	3	Advanced Cardiovascular/Respiratory Physiology.....	4F
	406	3	Administration in Exercise Science .....	4S
	407	2	Seminar in Health Science .....	4S
	408	3	Research Methods in Health Science.....	4F
	465	3	Internship in Exercise Science .....	4F
HSC	105	1	Introduction to Health Sciences .....	1F
	136	1	First Aid and CPR – Professional Rescuer.....	3S
	205	3	Sports Medicine Concepts & Injuries .....	3F
	206	3	Pharmacology for the Health Sciences .....	4F
	207	3	Pathophysiological Foundations for Health Science.....	4S
MAT	108	3	College Algebra.....	1S
	205	4	Functions and Trigonometry.....	2F
	215	3	Applied Statistics I.....	3S

PHY	201	4	Introductory Physics I.....	2F
	202	4	Introductory Physics II.....	2S
PSY	105	3	Introduction to Psychology .....	1F
	106	3	Social Psychology.....	3F
			or PSY 107, Human Development: A Life Span Perspective	
		96	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64). <i>Note that there may be additional requirements for entrance into the graduate program of the student's choice.</i>	

#### Recommended Courses

CSC	105	3	Introduction to Computers
PHL	216	3	Health Care Ethics
SOC	105	3	Principles of Sociology

## EXERCISE SCIENCE MINOR

#### Required Courses

Department	Course Number	Credits	Course Title
BIO	206	4	Human Anatomy
	207	4	Human Physiology
	216	3	Kinesiology
	317	3	Physiology of Exercise
ESC	205	3	Nutrition for Fitness and Sport
	206	2	Personal and Community Health &
	209	4	Essentials of Strength and Conditioning
		23	Credits for this minor.

## EXERCISE SCIENCE COURSE OFFERINGS

#### ESC 205. Nutrition for Fitness and Sport

**3 credits**

The course entails the study of basic concepts of nutrition and the effects of sound nutritional practices on everyday life and sports. The course is designed to allow students to apply nutritional concepts to enhance athletic performance and general wellness. Open only to exercise science majors. Open to other majors by consent of instructor and department chair. Fall

#### ESC 206. Personal and Community Health

**2 credits**

A study of the practical application of health principles concerning personal and community health and wellness. Topics include health promotion, healthy people 2010/2020, as well as current topics of concern for personal and community health. Students will discuss different views of professionals in the health field and form opinions based on evidence collected. Spring

#### ESC 207. Advanced Functional Anatomy

**3 credits**

The purpose of this course is to strengthen the students' knowledge of general musculoskeletal anatomy with an emphasis on the upper and lower extremities. This course will focus on origins, insertions, and nerve innervations of key muscles that promote movement as well as bony anatomical landmarks with regards to the skeletal system. The student will also gain a thorough foundation of how the muscle groups contribute to and produce functional movement during physical activity. Prerequisite: BIO 206. This course cannot be used to satisfy the General Education requirements for natural and physical sciences. Spring

#### ESC 209. Essentials of Strength and Conditioning

**4 credits**

This course examines the responses and adaptations to resistive, anaerobic, and aerobic exercise and training. It utilizes practical application of scientific principles to human physical conditioning programs with emphasis on enhancement of maximum strength, power and endurance exercise for various populations. Lab will focus on skill acquisition and

exercise prescription in weight training, assessment, flexibility, plyometrics, and cardiovascular fitness. (Three hours of lecture and two hours of lab.) Prerequisites: BIO 206, 207, and 216. Spring

**ESC 405. Advanced Cardiovascular/Respiratory Physiology** **3 credits**

Students will engage in the investigation and discussion of function, pathological correlation, and diagnostic procedures as it relates to the cardiovascular and respiratory systems. Emphasis will be placed on the basic knowledge, use, and interpretation of EKG and spirometry studies. Prerequisite: BIO 207. (Spring of odd numbered years)

**ESC 406. Administration in Exercise Science** **3 credits**

This course examines the various issues, policies, and procedures involved with administration in exercise science. Emphasis is on facility organization and design, legal liability, personnel management, budgeting, equipment purchasing, and record keeping and promotions. Special topics will be related to fitness and wellness center administration. Spring

**ESC 407. Seminar in Health Science** **3 credits**

A course designed to address major issues and special topics in the health care fields. Particular attention will be given to the professional development, employment settings and graduate opportunities, the role of allied health professionals, and legal, political, ethical, and other controversial issues affecting the health care professions. Special topics relating to technological advances, research, pharmacology, and special populations, evaluation and treatment techniques will be addressed. Prerequisite: exercise science majors only. Spring

**ESC 408. Research Methods in Health Science** **3 credits**

This course is designed to develop an understanding of research methodology pertaining to various designs commonly used within the health science field. Relevant issues within the Health Science professions, including Exercise Science and Physical Therapy will be used to promote further understanding and build a foundation for student-designed research. Specific attention is directed toward formal written communication to develop a research project for the capstone course. Prerequisites: MAT 215; exercise science majors only. Fall

**ESC 409. Certification (CSCS) Prep** **1 credit**

The purpose of this course is to help the students prepare for the Certified Strength and Conditioning Specialist (CSCS) exam which can be taken upon graduation. Topics and concepts will be reviewed throughout the entire semester in correspondence with the main principles of the National Strength and Conditioning Association (NSCA). Students will take multiple practice exams and learn study techniques to help with preparation and registration for the Certification exam.

**ESC 415. Assessment and Screening Procedures** **3 credits**

This course is designed to help the student learn how to assess/screen patients/clients to determine the level of dysfunction and/or ability to perform required actions of daily living and/or sport. General principles of examination will include anatomical nomenclature, taking a history, observation, palpation, and examination of motion, strength and neurological status. Additionally, students will learn how to use specific assessment tools such as the FMS, SFMA, YBT, and PPE screening.

**ESC 465. Internship in Exercise Science** **3-6 credits**

The internship is for senior Exercise Science majors to gain practical experience with cooperating healthcare facilities, corporations, health clubs, or athletic teams. All internships will continue for one academic semester for at least ten weeks. Students will engage with program development and continuation throughout the course of their experience. In addition, students will engage in reflective and engaging course experience to help enhance their internship experience. The student must submit a written internship request to the Program Director and the request must be approved by the advisor, program director, department chair, and university before formal application to cooperating agencies is initiated. Interns will keep an hour log and journal of experiences evaluating their experiences. Fall

**ESC 475. Advanced Faith and Learning Integration** **3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**ESC 195, 295, 395, 495. Special Topics** **3 credits**

**ESC 499. Capstone****3 credits**

This course involves the completion of a research project developed and designed in Research Methods in Health Science. The student will carry out the research, analyze the data, evaluate ethical considerations, and present the project with a potentially publishable paper and/or a formal presentation of the research. This is an independent project, but the student will work closely with the course instructor and chosen mentors.

# FORENSICS

DEPARTMENT OF CHEMISTRY AND FORENSIC SCIENCE

EVONNE A. BALDAUFF, PH.D., CHAIR

Forensics consists of six distinct majors: Bachelor of Science, Forensic Science; Bachelor of Science, Forensic Biology; Bachelor of Science, Forensic Chemistry (see page 112); Bachelor of Science, Cyber Security and Forensics (see page 131); Bachelor of Science in Business Administration, Forensic Accounting (see page 99); and Bachelor of Arts, Forensic Investigation. The Forensic Science, Forensic Biology, and Forensic Chemistry majors prepare students to pursue careers in forensic laboratories, criminal investigations, and basic biological or chemical laboratories, or to pursue advanced degrees in the forensic or physical sciences, law, or medicine. The Forensic Investigation major prepares students to pursue careers in crime scene/forensic investigations, evidence handling, criminal investigations, private investigations, and law enforcement. Forensic Investigation majors will also be prepared to pursue graduate degrees in criminal investigation or criminal justice administration.

**Mission**

Waynesburg University educates students to make connections between faith, learning and serving so they might faithfully transform their communities and the world. As a Christian comprehensive university, we strive to inspire and challenge every undergraduate and graduate student to a life of leadership and purpose for the glory of God.

The mission of the Waynesburg University Forensic Program is to provide students with well-founded, interdisciplinary forensic science and investigation curricula. The Forensic Science Program will also uphold and adhere to the mission, commitments, and goals outlined in the University's Undergraduate Code of Conduct.

**Goals and Objectives — Forensic Science**

Students will:

- develop a sound natural science foundation and obtain minors in both biology and chemistry.
- learn critical thinking skills and understand forensic science professional practice through theory and hands-on experiences in the lab and field.
- develop an understanding of the principles and techniques utilized by forensic science practitioners in the laboratory and at the crime scene.
- gain practical instrumental experience using professional laboratory equipment such as the comparison microscope, gas chromatograph/mass spectrometer, scanning electron microscope, infrared spectrometer, microspectrophotometer, polarized light microscope, stereo microscope, and other analytical tools typically found in the forensic laboratory.
- develop an understanding of the importance of the scientific method and its application in crime scene processing and reconstruction.
- gain practical crime scene processing and evidence handling experience using appropriate equipment and technology in mock crime scene scenarios in a dedicated crime scene house.
- learn critical aspects of the criminal justice system, criminal investigation, common law principles, and rules of evidence through criminal justice administration course work and participation in mock court proceedings.
- learn the importance of ethics and quality assurance in the application of scientific examinations of physical evidence.
- develop communication and leadership skills through the University's general education requirements, service, and extracurricular opportunities.

Students must meet certain minimum requirements in order to progress into the junior year of the program. Those requirements include:

- a minimum cumulative grade point average of 2.5,
- at least a C- grade in all required courses designated with a BIO, CHE, CRJ or FSC prefix,
- a recommendation from the Forensic Science Progression Committee (composed of the Forensic Science Program Director, a faculty member from either Biology or Chemistry, and a faculty member from Criminal Justice Administration), based upon review, that the student has met all of the minimum requirements.

If a student fails to meet the requirements for progression, he or she may submit a written appeal to the Forensic Science Progression Committee addressing the reasons for the student's failure to meet said requirements. Upon review, the committee shall either refuse the appeal or grant the appeal and allow the student no more than two semesters to meet the minimum progression requirements. In order to graduate with a degree in forensic science, students must obtain a grade of C- or better in all forensic science major required courses.

In addition to grade requirements, honesty, integrity, and objectivity are of particular consequence to those pursuing careers in the fields of forensic science and/or law. As a result, each student's character will be considered continually. Students found to be in violation of the University's Student Code of Conduct or laws of the Commonwealth of Pennsylvania and/or the Borough of Waynesburg may be referred to the University Provost for dismissal from the program.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## CHEMISTRY MAJOR (FORENSIC CHEMISTRY OPTION)

(see page 112)

## CYBERSECURITY AND FORENSICS MAJOR

(see page 131)

## FORENSIC ACCOUNTING MAJOR

(see page 99)

## FORENSIC BIOLOGY MAJOR (BS)

### **Goals and Objectives – Forensic Biology**

Students will:

- develop a sound natural science foundation and obtain a minor in biology.
- learn critical thinking skills and understand forensic biology professional practice through theory and hands-on experiences in the lab and field.
- develop an understanding of the principles and techniques utilized by forensic biology practitioners in the laboratory and at the crime scene.
- gain practical instrumental experience using professional laboratory equipment such as the comparison microscope, scanning electron microscope, microspectrophotometer, polarized light microscope, and stereo microscope.

- develop an understanding of the fundamental units of cellular structure and function, the processes of cellular analyses, and molecular biological laboratory skills and techniques.
- gain an understanding regarding the fundamental nature of DNA, inheritance, and integration of genetics in various fields.
- gain practical experience in assessing the chemical nature of DNA and its regulatory processes, classical Mendelian and non-Mendelian inheritance, and application of statistics to genetics analyses.
- learn and practice current forensic biological fluid testing techniques while developing safe work practices as it relates to universal biohazard precautions.
- develop an understanding of the importance of the scientific method and its application in forensic biological research and analysis.
- learn critical aspects of the criminal justice system, criminal investigation, common law principles, and rules of evidence through criminal justice administration course work and participation in mock court proceedings.
- learn the importance of ethics and quality assurance in the application of scientific examinations of physical evidence.
- develop communication and leadership skills through the University's general education requirements, service, and extracurricular opportunities.

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
BIO	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
	206	4	Human Anatomy.....	2S
	215	4	Microbiology .....	2S
	—	9-16	Any three 300-level or higher biology course	
	—			
	315	4	Cell and Molecular Biology..... or FSC 326, Histology and Molecular Biology	4F
	321	3	Biochemistry.....	4F
	406	4	Genetics .....	4S
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	122	3	General Chemistry II .....	2S
			or CHE 206, Inorganic Chemistry	
	122L	1	Laboratory for General Chemistry II .....	2S
			or CHE 206L, Laboratory for Inorganic Chemistry	
	211	4	Organic Chemistry I.....	2F
	212	4	Organic Chemistry II .....	2S
CRJ	109	3	Criminal Justice Administration .....	1S
	219	3	Criminal Law .....	2F
FSC	105	3	Introduction to Forensic Science.....	1F
	205	2	Microscopic Methods and Forensic Analysis .....	2F or 3F
	305	3	Science and Evidence .....	3S
	306	3	Forensic Serology .....	3F
	385	1	Forensic Science Seminar I.....	3F
	399	1-3	Undergraduate Research .....	1, 2, 3, or 4
	406	4	Law and Evidence.....	4S
	485	1	Forensic Science Seminar II .....	4F
	499	1	Capstone Research.....	4
MAT	205*	4	Functions and Trigonometry .....	1
	211	4	Calculus I.....	2



MAT	215	3	Applied Statistics I.....	4
PHY	201	4	Introductory Physics I.....	3F
	202	4	Introductory Physics II.....	3S
	96-101		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

#### Recommended Course

BIO	321L	1	Biochemistry Lab
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- \* Math placement depends upon the results of the University math placement exam. Students with low math scores may be required to take MAT 108.

## FORENSIC INVESTIGATION MAJOR (BA)

### Goals and Objectives – Forensic Investigation

Students will:

- will learn critical thinking skills and understand forensic investigation professional practice through theory and hands-on experiences in the classroom and field.
- learn to properly recognize, identify, and preserve items of physical evidence encountered through criminal investigations.
- develop an understanding of the principles and techniques utilized by forensic practitioners during criminal investigations and at the crime scene.
- gain a practical understanding of the capabilities and limitations of scientific analyses of physical evidence.
- gain practical instrumental/methodological experience using professional equipment such as the comparison microscope, stereo microscope, latent print and impression evidence development tools, blood stain pattern analysis kits, and alternative light sources.
- learn the importance of the scientific method and its application in crime scene processing and reconstruction.
- gain practical crime scene processing and evidence handling experience using appropriate equipment and technology in mock crime scene scenarios in a dedicated crime scene house.
- learn critical aspects of the criminal justice system, criminal investigation, common law principles, and rules of evidence through criminal justice administration course work and participation in mock court proceedings.
- learn the importance of ethics and quality assurance in the application of forensic investigations and crime scene processing.
- learn to apply research methods, formulate theories, and report information concerning criminal investigations.
- develop communication and leadership skills through the University's general education requirements, service, and extracurricular opportunities.

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
ACC	101	3	Principles of Managerial Accounting.....	2F
	102	3	Principles of Financial Accounting.....	2S
	205	3	Introduction to Forensic Accounting .....	4F
	425	3	Introduction to Forensic Accounting: Fraud Examination.....	4S
BIO	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
CHE	106	4	Practical Chemistry for Life.....	1S
	121	3	General Chemistry I.....	2F
	121L	1	Laboratory for General Chemistry I.....	2F

CRJ	109	3	Criminal Justice Administration .....	1S
	217	3	American Policing .....	2F
	218	3	Criminal Investigation .....	2S
	219	3	Criminal Law .....	2F
	318	3	Homeland Security and Intelligence .....	3F
	328	3	Criminal Procedure .....	3S
	345	3	White Collar Crime .....	3F
	405	3	Interview and Interrogation .....	4S
	409	3	Current Issues in Criminal Justice .....	4S
FSC	105	3	Introduction to Forensic Science .....	1F
	205	2	Microscopic Methods and Forensic Analysis .....	2F or 3F
	307	3	Forensic Pattern Interpretation .....	3F or 4F
	406	4	Law and Evidence .....	4S
	415	3	Advanced Crime Scene Investigation .....	4F
	465	3	Internship .....	4
			or CRJ 465, Criminal Justice Administration Internship	
MAT	106*	3	Beginning Algebra .....	1F
	108	3	Intermediate Algebra .....	1S
	215	3	Applied Statistics I .....	3S
		82	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

\* Math placement depends upon the results of the University math placement exam. Students with low math scores may be required to take MAT 105.

## FORENSIC SCIENCE MAJOR (BS)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO	121	4	Principles of Biology I .....	1F
	122	4	Principles of Biology II .....	1S
	315	4	Cell and Molecular Biology .....	3F
			or FSC 326, Histology and Molecular Biology	
	321	3	Biochemistry .....	4F
	406	4	Genetics .....	4S
CHE	121	3	General Chemistry I .....	1F
	121L	1	Laboratory for General Chemistry I .....	1F
	122	3	General Chemistry II .....	2S
			or CHE 206, Inorganic Chemistry	
	122L	1	Laboratory for General Chemistry II .....	2S
			or CHE 206L, Laboratory for Inorganic Chemistry	
	211	4	Organic Chemistry I .....	2F
	212	4	Organic Chemistry II .....	2S
	311	4	Analytical Chemistry .....	3F
	327	1	Advanced Spectroscopy Lab .....	3S
CRJ	109	3	Criminal Justice Administration .....	1S
	218	3	Criminal Investigation .....	2S
	219	3	Criminal Law .....	2F
FSC	105	3	Introduction to Forensic Science .....	1F
	205	2	Microscopic Methods and Forensic Analysis .....	2F or 3F
	305	3	Science and Evidence .....	3S

FSC	306	3	Forensic Serology .....	3F
	312	5	Instrumental Analysis .....	3S
	325	4	Forensic Chemistry .....	4S
	385	1	Forensic Science Seminar I.....	3F
	406	4	Law and Evidence.....	4F
	415	3	Advanced Crime Scene Investigation .....	4F
	465	3-6	Internship .....	4
			or FSC 399, Undergraduate Research (2 credits) and FSC 499, Capstone Research (1 credit) or CRJ 465, Criminal Justice Administration Internship	
	485	1	Forensic Science Seminar II .....	4F
MAT	205*	4	Functions and Trigonometry .....	1F
	211	4	Calculus I.....	1S
	215	3	Applied Statistics I.....	4F
PHY	201	4	Introductory Physics I.....	2F
	202	4	Introductory Physics II.....	2S
	100-104		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

#### Recommended Course

BIO	321L	1	Biochemistry Lab
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- \* Math placement depends upon the results of the University math placement exam. Students with low math scores may be required to take MAT 108.

## FORENSIC COURSE OFFERINGS

### FSC 105. Introduction to Forensic Science 3 credits

This course is a broad based survey of forensic science, its application to criminal and civil investigations, and introduces crime laboratory organization, crime scene investigation, and recognition and handling of physical evidence. Basic methods of collection and analysis of chemical, biological, and comparative materials will be examined through lecture and hands-on experience in the laboratory and field. Fall

### FSC 106. Forensic Science for Non-Majors 4 credits

A lecture and laboratory course designed to introduce chemical concepts (e.g., reactions, chromatography, and spectroscopy) and scientific thinking through the examination of forensic investigative techniques. Three hours of lecture and one two-hour laboratory period each week. This course is intended for non-science majors.

### FSC 205. Microscopic Methods and Forensic Analysis 2 credits

A laboratory course involving the microscopic analysis of a range of materials commonly encountered in forensic investigations. This course provides hands on experience in forensic materials analysis utilizing compound, comparison, polarized light, stereo, and scanning electron microscopes and microspectrophotometers. One hour of lecture, one hour of recitation, and two hours of laboratory each week. Prerequisite: FSC 105. (Fall of odd numbered years)

### FSC 305. Science and Evidence 3 credits

This course examines the role of the forensic scientist and scientific evidence as it relates to criminal/civil investigations and the courtroom. Topics include: crime laboratory quality assurance, evidence handling/identification and chains of custody, ethics, expert testimony, and admissibility requirements of scientific evidence. Students will be required to participate in exercises of qualifying and testifying as expert witnesses. Prerequisites: FSC 105 and CRJ 218. Spring

### FSC 306. Forensic Serology 3 credits

This course presents crime scene and laboratory applications of forensic serology. Techniques of sampling, comparison, and individualization of biological evidence will be utilized. The theory and practice of microscopic,

biological, immunological, and chemical analysis will be applied to the examination of blood, seminal fluid, saliva, and other biological materials of forensic interest. Prerequisites: BIO 121 and CHE 212. Fall

**FSC 307. Forensic Pattern Interpretation** **3 credits**

This course is designed to explore three important subject areas of forensic pattern interpretation: fingerprints, bloodstain patterns, and impression/tool mark evidence. Course lectures will be supported by experiential activities such as developing and analyzing latent prints, creating and interpreting bloodstain patterns, and using the comparison microscope to analyze fired bullets and shell casings. Prerequisites: FSC 105 or FSC 106. (Fall of even numbered years; beginning fall/2022)

**FSC 312. Instrumental Analysis (Cross-listed as CHE 312 and PHY 312)** **5 credits**

Theory and practice of modern analytical techniques emphasizing spectrophotometric, chromatographic, and electrochemical methods. Three hours of lecture and two three hour laboratory periods each week. Prerequisite: CHE 311 with grade of C- or better. Spring

**FSC 325. Forensic Chemistry (Cross-listed as CHE 325)** **4 credits**

A course designed to provide a fundamental understanding of the various instrumentation, techniques, and physical methods available to the forensic chemist in the analysis of a range of materials commonly encountered as physical evidence in criminal investigations. The lecture and lab provides additional laboratory/instrumental experience in forensic and chemical analysis beyond the traditional instrumental analysis course (CHE/FSC 312). Specific areas of study include forensic identification of illicit drugs, fire debris analysis, and the examination of textile fibers, glass, paint, and soil. The role of chemical analysis and its importance to the judiciary process as well as the roles and responsibilities of the forensic chemist is explored. Three hours of lecture and one three-hour laboratory period each week. Prerequisite: CHE/FSC 312 with grade of C- or better. Spring

**FSC 326. Histology and Molecular Biology (Cross-listed as BIO 326)** **4 credits**

This course emphasizes the cellular and molecular characteristics of human/mammalian tissues. Topics include structure, function and recognition of histological sections of human tissues. Labs include histological and microscopy techniques, and cell identification. Three hours of lecture and one three hour laboratory each week. Prerequisites: BIO 121, 122; CHE 121, 122 or 206. (Fall of even numbered years)

**FSC 385. Forensic Science Seminar I (Cross-Listed as CHE 385)** **1 credit**

A seminar course designed to provide students with skills complimentary to the traditional coursework. Participants will learn proper literature search techniques, undertake ethics analyses, and practice technical writing skills. This course, in conjunction with CHE 485 and 499, satisfies the oral competency requirement in the General Education curriculum (see pages 63-64). Prerequisites: Chemistry or Forensic Science Program junior status. Fall

**FSC 399. Undergraduate Research (Cross-listed as CHE 399)** **1-6 credits**

A course requiring a literature search and original laboratory work on a selected research topic. Work to be arranged with the individual faculty member.

**FSC 406. Law and Evidence (Cross-listed with CRJ 406)** **4 credits**

A comprehensive review of common law and statutory evidentiary principles and their impact on and use in the civil process and criminal process. This course will cover: the history and development of the rules of evidence, burdens of proof, relevancy, materiality, competency, judicial notice, stipulations, examination of witnesses, documentary evidence, real evidence, demonstrative evidence, and privileges. The course is taught in a workshop format and students are required to participate in a mock trial. Prerequisite: CRJ 219. Co-requisite: FSC 305.

**FSC 415. Advanced Crime Scene Investigation (Cross-listed with CRJ 415)** **3 credits**

This course is designed to explore advanced areas of crime scene investigation. This will be an in depth study of topics such as Autopsy, Forensic Anthropology, Collection & Preservation of Evidence, Blood Spatter Analysis, Documentation (sketching; photography; etc.), Death Scene Investigation, and Investigation of Specialized Scenes (explosions; outdoor; accidents). Other activities will serve to give students insight into various aspects of forensic science such as crime scene investigation projects, guest speakers, and field trips. Prerequisites: FSC 105 or CRJ 218. Fall

**FSC 465. Internship** **3-6 credits**

The internship is an on-site, experiential learning opportunity in which junior or senior forensic science majors gain practical experience with cooperating industries or governmental agencies. All internships (summer or one academic semester) will require a minimum of 50 hours of internship credit. The exact duration and weekly hours of the assignment will vary with the cooperating agency. The student must submit a written internship request to the program

director before the end of the semester preceding the anticipated starting date. The request must be approved by the instructor and the department before formal application to the cooperating agencies is initiated. Interns must complete a self-evaluation, log, and present an acceptable written recommendation from the on-site internship supervisor upon completion of the experience. This course satisfies the oral competency requirement in the General Education curriculum (see pages 63-64). Pass-fail grade.

**FSC 485. Forensic Science Seminar II (Cross-listed as CHE 485)**

**1 credit**

A seminar course designed to provide students with skills complimentary to the traditional coursework. Participants will give progress reports on undergraduate research projects, interact with professional speakers, learn proper literature search techniques, undertake ethics analyses, and practice technical writing skills. This course, in conjunction with CHE 385 and 499, satisfies the oral competency requirement in the General Education curriculum (see pages 63-64).

Prerequisites: Chemistry or Forensic Science Program senior status. Fall

**FSC 195, 295, 395, 495. Special Topics**

**3 credits**

**FSC 499. Capstone Research**

**1 credit**

A course requiring the completion of an original research project and oral presentation of this work. Upon completion of the project, a comprehensive and well-documented research paper written in the style of a Journal of Forensic Science article is also required. This course, in conjunction with CHE 385 and 485, satisfies the oral competency requirement in the General Education curriculum (see pages 63-64).

## GEOGRAPHY

DEPARTMENT OF HUMANITIES

KAREN FISHER YOUNGER, PH.D., CHAIR

### GEOGRAPHY COURSE OFFERINGS

**GEO 105. Introduction to Geography**

**3 credits**

This course concerns the scope of geography and the influence of geographical factors on human culture. Population, settlement, economic activity, and social and political organizations are among the topics that will be covered.

(Offered when interest is expressed and departmental resources permit.)

**GEO 195, 295, 395, 495. Special Topics**

**3 credits**

## GEOLOGY

DEPARTMENT OF BIOLOGY, ENVIRONMENTAL SCIENCE, AND HEALTH SCIENCE

CHRISTOPHER A. CINK, PH.D., CHAIR

### GEOLOGY COURSE OFFERINGS

**GLG 101. Physical Geology**

**4 credits**

A study of the physical and structural features of the earth and of the physical, chemical, and biological processes that produced them. Some of the topics included are: the work of running water, wind, and glaciers; the formation and deformation of rock beds; the nature of rocks, minerals, earthquakes, and volcanoes; the interior and the origin of earth. Field trips to local points of geological interest and laboratory work with topographic maps and mineral and rock specimens constitute a part of the work. Three hours of lecture and recitation, one two-hour laboratory or field period each week. (Offered when interest is expressed and departmental resources permit.)

**GLG 106. Physical Geology and Oceanography**

**4 credits**

A study of the physical and structural features of earth, the physical, chemical, and biological processes that produced them, and earth's oceans. The possible topics are: the work of running water, wind, and glaciers; the formation and deformation of rock beds; the nature of rocks, mineral, earthquakes, and volcanoes; the interior and the origin of earth; nature of waves and currents; properties of sea water; origin and development of submarine sedimentation; life and

resources of the sea. Field trips to local points of geological interest and laboratory work with topographic maps and mineral and rock specimens constitute a part of the work. One year of high school chemistry is suggested. Three hours of lecture and recitation, one two-hour laboratory or field period each week. Spring

**GLG 107. Basic Meteorology and Space Science** **4 credits**

An introduction to weather and climate; atmospheric composition and circulation; climatic patterns and factors including their distribution; character and causes of climatic change. Heavenly bodies such as the sun, planets, and stars will be studied, and their effects on the earth. Three hours of lecture and one two-hour laboratory period each week. High school chemistry is suggested. Fall

**GLG 205. Hydrogeology** **3 credits**

A lecture course that provides a general overview of hydrogeology and investigates the occurrence, distribution, movement, chemistry, and environmental effects of groundwater in a geologic framework. The course presents the basic principles, methods, and applications of the disciplines and prepares students to address simple groundwater problems. Prerequisite: GLG 101. (Spring of odd numbered years)

**GLG 195, 295, 395, 495. Special Topics** **3 credits**

## HEALTH SCIENCE

DEPARTMENT OF BIOLOGY, ENVIRONMENTAL SCIENCE, AND HEALTH SCIENCE

CHRISTOPHER A. CINK, PH.D., CHAIR

### HEALTH SCIENCE COURSE OFFERINGS

**HSC 105. Introduction to Health Sciences** **1 credit**

This course will provide a basic overview of the health science professions including; athletic training, exercise physiology, sports nutrition, biomechanics, exercise and sport psychology, and physical therapy. The course will also cover the professional activities (i.e., professional organizations, certifications, professional issues, and professional liabilities) that are related to these professional applications. Fall

**HSC 136. First Aid & CPR – Professional Rescuer †** **1 credit**

Students receive certification for Health Providers CPR and First Aid through the American Red Cross or American Heart Association upon scoring a passing grade indicated by each organization. Enrollment is open for exercise science majors. Others may be enrolled with department chair's permission. Spring

**HSC 205. Sports Medicine Concepts & Injuries** **3 credits**

This course is an introduction to many facets of profession in the sports medicine arena (primarily those of athletic training, exercise science and physical therapy). These include health promotion, injury prevention, and common injuries in the active population, general evaluation skills of injury, and taping/bracing skills. This course consists of two hours of lecture and one two-hour lab each week. Co-requisite: HSC 136 or proof of current CPR & FA certification, BIO 206. (This course cannot be used to fulfill the General Education requirements for the Natural and Physical Sciences.) Spring

**HSC 206. Pharmacology for the Health Sciences** **3 credits**

This course introduces the health science professional to the fundamental concepts of pharmacology. It will include the basics of clinical pharmacology, drug classifications, indications, drug action, adverse effects, and drug interactions. Open only to non-nursing majors, including students in exercise science and forensic science. Open to others upon approval of the department chair. Fall

**HSC 207. Pathophysiological Foundations for Health Science** **3 credits**

This course is designed to introduce students to the pathophysiology of disease upon completion of normal anatomy and physiology. Prerequisites: BIO 206 and BIO 207. Spring

**HSC 195, 295, 395, 495. Special Topics** **3 credits**

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† indicates a special fee is charged

# HISTORY

## DEPARTMENT OF HUMANITIES

### KAREN FISHER YOUNGER, PH.D., CHAIR

History, one of the traditional liberal arts disciplines, is fascinating in its own right. The study of peoples and places from the past can be exciting, instructive, and thought-provoking. But students who study history will learn that history is more than the study of dates, names, and past events. Rather, it is the study of how people understand and apply meaning to those events. Human history can at times be both inspiring and revolting, shocking and predictable, simple and amazingly complex, straightforward and debatable. History students learn how to recognize the ways history is interpreted, as well as to offer their own interpretations of the past.

Through studying history and historical methods, students can obtain a greater appreciation of human cultural, political, and historical diversity. They also gain a far greater understanding of their own place in the world. History faculty offer a range of courses in both United States and world history in an effort to facilitate this goal.

Upon completing this academic major, graduates will:

- be critical readers of both primary and secondary sources, and will use and properly cite both types of evidence in their written work.
- master the formal styles of writing, argumentation, and presentation that historians use in their work.
- achieve a basic mastery of research techniques in history, including collection and analysis of textual and non-textual sources.
- have effective oral presentation skills.
- understand historiography.
- have a general familiarity with the intellectual, political, economic, social, and cultural history of the United States, of Europe, and of at least one “Non-Western” area.
- understand the roles of social factors such as race, class, gender, and religion in history.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under “Recommended Sequence” below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## HISTORY MAJOR

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
HIS	101	3	The United States to 1865.....	1F or 2F
	102	3	The United States since 1865.....	1 or 2
	111	3	Western Civilization to 1450 .....	1 or 2
	112	3	Western Civilization since 1450 .....	1 or 2
	317	3	Historiography: Theory and Methods .....	2F
	499	1	Portfolio Review .....	4S
	—	15	Five courses to be selected from HIS,	
	—		except HIS 465, two of which must be	
	—		300- or 400-level.....	2, 3 or 4
	—			

HIS	—	3	One course to be selected from HIS 405, 406, or 495.....4
—	—	12	Four courses to be selected from:
—	—		ECO, POL, SOC, INT, or “history of”
	—		courses in any discipline, (i.e., ART 107, 109;
	—		COM 336, 436; MUS 301, 302; PHL 107, 207;
	—		PSY 409; THE 208, 215, 216, 366)
LAN or SPN	—	3	One semester of any foreign language
			(requirement waived for a study abroad program)..... 1, 2, 3 or 4
		49	Credits for this major; prerequisite courses may be necessary
			and the General Education Requirements must be completed
			(see pages 63-64).

## HISTORY MAJOR (PUBLIC AND APPLIED HISTORY OPTION)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
HIS	101	3	The United States to 1865.....	1F or 2F
	102	3	The United States since 1865.....	1 or 2
	111	3	Western Civilization to 1450 .....	1 or 2
	112	3	Western Civilization since 1450 .....	1 or 2
	215	3	Introduction to Public History.....	1S or 3S
	345	3	Introduction to Historical Museum Work .....	2F or 4F
	465	3	History Internship .....	3 or 4
	499	1	Portfolio Review .....	4S
	—	9	Three courses to be selected from HIS,	
	—		except HIS 465, one of which must be	
	—		300- or 400-level.....	2, 3 or 4
	—	3	One course to be selected from HIS 405, 406, or 495.....	4
	—	12	Four courses to be selected from:	
	—		ECO, POL, SOC, INT, or “history of”	
	—		courses in any discipline, (i.e., ART 107, 109;	
	—		COM 336, 436; MUS 301, 302; PHL 107, 207;	
	—		PSY 409; THE 208, 215, 216, 366)	
LAN or SPN	—	3	One semester of any foreign language	
			(requirement waived for a study abroad	
			program) .....	1, 2, 3 or 4
		49	Credits for this major; prerequisite courses may be necessary	
			and the General Education Requirements must be completed	
			(see pages 63-64).	

## HISTORY MAJOR (SECONDARY EDUCATION OPTION — CITIZENSHIP EDUCATION AND/OR SOCIAL STUDIES CERTIFICATION)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
ECO	201	3	Macro Economics .....	2F
	202	3	Economics of Business .....	2S
EDU	107	3	Technology in Education .....	2S
	115	3	Introduction to Middle Level and Secondary Education.....	1F



ENG	215	3	Language and Teaching of the English Language Learner.....	3S
	316	3	Adolescent Literacy .....	3S
GEO	105	3	Introduction to Geography .....	2 or 3S
HIS	101	3	The United States to 1865.....	1F
	102	3	The United States since 1865.....	1S
	111	3	Western Civilization to 1450 .....	2F
	112	3	Western Civilization since 1450 .....	2S
	206	3	Twentieth-Century World History and Culture.....	2F
	338	3	History of American Minority .....	1 or 2S
	—	12	Four courses to be selected from HIS, except HIS 465 .....	2 or 3
	—			
	—			
MAT	106	3	Beginning Algebra.....	1F
			or MAT 107, Practical Mathematics for Everyday Life	
	108	3	Intermediate Algebra .....	1S
			or MAT 215, Applied Statistics I	
POL	105	3	American National Government .....	1F
	208	3	State and Local Government.....	2F or 3F
	309	3	International Relations .....	2S or 3S
PSY	202	3	Developmental Psychology: The Adolescent.....	2S or 3S
SED	206	3	Secondary Educational Psychology .....	2F
	305	3	Secondary Curriculum .....	3F
	308	3	Secondary Social Studies Methods .....	3F
	405	2	Secondary Student Teaching Practicum.....	4
	406	2	Secondary Student Teaching Seminar .....	4
	407	12	Secondary Student Teaching.....	4
SLR	107	1	Service Learning for Education .....	3S
SOC	105	3	Principles of Sociology .....	3F
	406	3	Social Science Research Methods.....	3F
SPE	209	3	Introduction to Exceptional Individuals.....	1S
	316	3	Assessment in the Inclusive Classroom .....	3F
	325	3	Instructional Strategies in the Inclusive Classroom .....	3S
		110	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## HISTORY MINOR

### Required Courses

Department	Course Number	Credits	Course Title
HIS	101	3	The United States to 1865 or HIS 102*: The United States since 1865
	111	3	Western Civilization to 1450 or HIS 112*, Western Civilization since 1450
	—	12	Four courses to be selected from HIS
	—		
	—		
	—	18	Credits for this minor.

\* recommended

## HISTORY COURSE OFFERINGS

- HIS 101. The United States to 1865** **3 credits**  
A historical survey of the main forces in American life from the colonial period through the Civil War. Reference will be made to Pennsylvania history. Fall
- HIS 102. The United States Since 1865** **3 credits**  
A historical survey of the main forces in American life since the Civil War. Reference will be made to Pennsylvania history. HIS 101 and HIS 102 are especially designed and recommended for first-year students. Spring
- HIS 111. Western Civilization to 1450** **3 credits**  
HIS 111 will combine lecture and primary source study to introduce the history of Western Civilization. The course will begin with a general description of premodern societies, and then introduce Israel, Archaic and Classical Greece, the Roman Republic, the Roman Empire and Medieval Europe. The course will emphasize the significant contributions of the Judeo-Christian tradition to the development of Western Civilization. Fall
- HIS 112. Western Civilization Since 1450** **3 credits**  
HIS 112 is a continuation of the study of the political, economic, and social history of Western Europe. We will begin with the Renaissance and Reformation, and end with the aftermath of World War II. HIS 112 will place a particular emphasis on some of the most important ideas of the Early Modern and Modern eras; through primary source study, students will be introduced to the ideas of important thinkers such as Luther, Calvin, Locke, Smith, Voltaire, Burke, and Marx. Spring
- HIS 115. U.S. Constitution – Values and Principles (Cross-listed as POL 115)** **3 credits**  
The United States is a creedal nation defined by the Constitution. This course examines the basic values and principles of the Constitution that determine our form of government, outline our rights and responsibilities as citizens, and shape the parameters of our civic discourse and life. Fall
- HIS 206. Twentieth-Century World History and Culture** **3 credits**  
An examination of world developments in the years from 1900 to 2000. Themes of intra- and inter-national conflict; global interdependency; growth and ethics of technology; population sustainability; comparative cultures, religions, governments, and evolving structures of power will be addressed.
- HIS 209. The Crusades** **3 credits**  
An exploration of the crusades from both the European and Arab perspectives, this class will examine the multiple reasons for the Crusades; the social, political, and economic impact on both European and Middle Eastern communities; and the Crusades' legacy in the modern world. (Offered when interest is expressed and departmental resources permit.)
- HIS 215. Introduction to Public History** **3 credits**  
A hands-on introduction to historical research methods, this project-based course engages local history through a variety of written, visual, oral, and material artifacts. The course also provides an introduction to careers in the field of public history. (Spring of odd numbered years)
- HIS 216. Medieval British Isles** **3 credits**  
HIS 216 will center on Medieval England, but incorporate Medieval Wales, Ireland, and Scotland. The course will begin with the Anglo Saxon invasion and consider the Norse Invasions, Norman Conquest, the "Angevin Empire", Magna Carta, the Development of Parliament, and England in the Late Middle Ages. The course will also consider the role of the Church, the Rise of Towns, the role of women, and other themes. Students will read excerpts from Saints' lives, Norse Sagas, Chronicles, Arthurian Romances, and other significant primary sources. (Spring of odd numbered years, beginning 2019)
- HIS 217. History and Political Thought Premodern East Asia (Cross-listed as POL 217)** **3 credits**  
HIS 217 will survey the basic narrative of East Asian History (especially that of China and Japan) from the time of the Zhou Dynasty until the seventeenth century A.D. The course will stress extensive primary source readings in translation, particularly from the Confucian, Taoist, Legalist, and Buddhist traditions. (Fall of even numbered years)
- HIS 218. Economic and Business History of the United States** **3 credits**  
HIS 218 is a historical survey of the main currents in U.S. Business and Economic History. (Spring of even numbered years)

**HIS 219. Introduction to the Civil War Era 3 credits**

HIS 219 will analyze the Civil War era from the Compromise of 1850 through the disputed election of 1876. Particular attention will be given to the military aspects of the Civil War. (Fall of odd numbered years)

**HIS 225. Environmental History 3 credits**

This course will examine the influence and impact of technology, the history of the ideas of nature, the environment, and the relationship between humans and the environment, and the interactions between cultures that view these ideas in different ways. (Spring of odd numbered years)

**HIS 226. Topics in American Wars 3 credits**

Focus is upon the chronology, vocabulary, personalities, military strategies, technologies, and the causes/settlements of the significant wars in American history. The topics are organized in this manner: French and Indian War through the War of 1812, Mexican-American War, Native American Wars through the Spanish American War, World Wars One and Two, and Korean War through the Iraq War. This course may be repeated up to three times for credit. (Offered when interest is expressed and departmental resources permit.)

**HIS 227. History of Christianity in America (Cross-listed with BMS 227) 3 credits**

This course explores the history of Christianity in the United States, from its introduction by the Anglicans of Jamestown and the Pilgrims and Puritans of the Massachusetts Bay Colony to the twenty-first century. The course will explore important theological developments that have shaped Christianity in America, including revivalism, millennialism, the Holiness movement, Pentecostalism, Fundamentalism, the Social Gospel movement, and the Christian Right; as well as the role of Christian commitments in important political movements such as Abolition, Temperance, and Civil Rights. (Spring of odd numbered years)

**HIS 228. Western European Church History to the Reformation (Cross-listed with BMS 228) 3 credits**

This course will explore the persecution of the early church, the legalization of Christianity in 313 AD, the seven ecumenical Councils, monasticism, the missionary efforts of the early medieval church, the Great Schism, the cultural achievements of the Later Medieval church, and the efforts of Zwingli, Luther, and Calvin during the Protestant Reformation. (Fall of even numbered years)

**HIS 275. Sports in American History 3 credits**

Sports hold up a mirror to American culture, and sports can even drive social change. This class will focus on five aspects of the American experience as refracted through the lens of sports: gender, race, class, violence, and globalization. (Fall of even numbered years)

**HIS 308. Premodern Japan 3 credits**

HIS 308 is an advanced survey of the political, social, religious, and economic history of Japan from Nara Period to the dawn of the Tokugawa Period (roughly 710 AD - 1600 AD). Major themes will include the evolution of the emperor and imperial family, the emergence of Japan's warrior class and the creation of the bakufu government, the evolution of Shinto, the introduction into Japan of Buddhism, the evolution of Japanese Buddhism, and the establishment of the Tokugawa Shogunate. The course will combine lecture, primary and secondary source readings, and student presentations. (Spring of even numbered years)

**HIS 309. Renaissance and Reformation 3 credits**

Through lecture and the study of both written primary sources and visual art, HIS 309 will examine the history of the Italian Renaissance, the Northern Renaissance, and the Protestant Reformation. We will attempt to place the Renaissance and Reformation in historical context by investigating the period stretching from the fourteenth century through the European Wars of Religion. (Offered when interest is expressed and departmental resources permit.)

**HIS 317. Historiography: Theory and Methods 3 credits**

An introduction to the theory and practice of history. Examines a variety of historical methodologies and their underlying theories, from Thucydides and Herodotus to Bede, from Marx and von Ranke, to the Annales School, and including contemporary feminist, sociological, economic and environmental approaches. Students will also be introduced to basic approaches to sources as well as research tools and methods. (Fall of odd numbered years)

**HIS 318. American Colonial History 3 credits**

American history from the age of exploration and colonization through the American Revolution and the early Republic. (Offered when interest is expressed and departmental resources permit.)

**HIS 325. Topics in the Civil War Era 3 credits**

HIS 325 focuses on the lesser known and understudied aspects of the Civil War era including medicine, the home front, death and dying, religion, and gender and race. The overarching theme of the course is the manner in which the

American Civil War has been discussed, explained, remembered, and re-fought over the last 150 years. The course will study the era of the Civil War and Reconstruction from a topical perspective. It is designed for those with a sufficient general background in Civil War history. HIS 219: Introduction to the Civil War Era is a highly encouraged prerequisite. (Fall of odd numbered years)

**HIS 328. Women's History**

**3 credits**

A presentation and discussion of the basic facts and problems in the history of women from ancient times to the present-day liberation movement. (Offered when interest is expressed and departmental resources permit.)

**HIS 329. Ancient Military History**

**3 credits**

HIS 329 will examine the military history of Classical Greece, the Hellenistic Near East, the Roman Republic, and the Roman Empire. The course will combine lecture with the close study of primary sources, including the works of Herodotus, Thucydides, Arrian, Livy, Polybius, and Caesar. Students will learn about the intimate relationship between polis Greece and the hoplite phalanx, and between the Roman Republic and the Roman legions. Students will learn about why armies marched to war, and what the average soldier achieved and endured. Students will also study the technological, tactical, and strategic developments in the military arts over the course of this period. A research project will be required. (Fall of odd numbered years)

**HIS 336. The United States Since 1945**

**3 credits**

A close examination of American society in the years that followed World War II. (Offered when interest is expressed and departmental resources permit.)

**HIS 338. History of American Minority Experience (Cross-listed with SOC 307)**

**3 credits**

An examination of five distinct minority populations in United States history: African-, Asian-, Hispanic-, and Native-Americans, as well as white ethnic Americans, in particular Jews and Italians. Emphasis is on experiential case studies. (Spring of odd numbered years)

**HIS 339. Pennsylvania History: Beginnings to Present**

**3 credits**

This course provides the student with an introduction to historical narrative, its sources, how it is researched, and it is written. This course provides the student with an overview of the origins and development of Pennsylvania from Native American settlement to the present. The opportunity to reflect on historic issues relevant to contemporary problems will be provided in the course. Prerequisites: HIS 101 or 102. Fall

**HIS 345. Introduction to Historical Museum Work**

**3 credits**

HIS 345 explores the many ways historians research, preserve and present historical topics to public audiences in museums, archives, and historical societies. The course will expose students to both the theories and practice of providing history for public audiences, through a combination of in-class study and a hands-on service-learning experience at an area museum, archive, historical society, or other organization. (Fall of odd numbered years)

**HIS 405. Medieval England**

**3 credits**

HIS 405 will exam Medieval England during the High Middle Ages. We will focus on the eras of the Norman and Angevin Kings (1066 – 1216), but will also consider the reign of Edward I and the origins of Parliament. Thematically, the course will emphasize the Norman Conquest, imperialism in Wales, Ireland, and Scotland; the English Church, and the evolution of vital English institutions such as the Common Law and Parliament. HIS 405 requires a major research paper. Prerequisites: HIS 111, 216, 317 or permission of the department chair. (Spring of even numbered years)

**HIS 406. American Reform Movements**

**3 credits**

HIS 406 is the study of reform movements in the United States with reference to temperance, education, abolitionism, women's rights, civil rights, and other reform agendas. In contextualizing these movements, the course will consider the connections between social reform and the rise of market capitalism, evangelical Christianity, and democratic politics. HIS 406 requires a major research paper. Prerequisites: HIS 101, 102, 317 or permission of the department chair. (Spring of odd numbered years)

**HIS 465. History Internship**

**3-6 credits**

Supervised experience in, or associated with a historical society, museum, library, or institutional archive. Internships are designed to serve two major purposes: first, to provide an opportunity for study and experience outside the traditional classroom setting, yet within the framework of disciplined inquiry; and second, to provide a special opportunity for participants to refine their emerging professional interests. Students may earn three or six credits in one or two semesters, but no more than a total of six credits. May not be used to satisfy the major requirements of 33 hours. Prerequisite: permission of the department chair. Graded credit.

**HIS 475. Advanced Faith and Learning Integration****3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**HIS 487. Honors Course****3-3 credits**

A course covering a special topic in some field of history that will include training in historical methods. Open to junior or senior history majors with a B average in history. (Offered when interest is expressed and departmental resources permit.)

**HIS 195, 295, 395, 495. Special Topics****3 credits**

Subject matter to be arranged between the students and the professor. (Offered when interest is expressed and departmental resources permit.)

**HIS 499. Portfolio Review****1 credit**

The senior student will create a carefully selected collection that reflects the student's learning at Waynesburg University. The portfolio may include but is not limited to exams, documentary analysis, historic site reviews, periodical literature reviews and journal entries. Spring

## HUMAN SERVICES

### DEPARTMENT OF CRIMINAL JUSTICE AND SOCIAL SCIENCES

ADAM E. JACK, M.S., CHAIR

The programs in Human Services are: Bachelor of Arts in Human Services and Bachelor of Science in Human Services. The Bachelor of Arts program emphasizes educational and social science course content, while the Bachelor of Science program draws from a number of applied science disciplines to provide a comprehensive health approach to human services. The programs prepare students for entry-level positions in a wide variety of community service settings. Graduates may be employed in mental health, substance abuse, aging/gerontology, domestic violence, youth services, childcare, corrections/criminal justice, education/schools, health care, recreation/fitness, and vocational rehabilitation settings. Completion of this program is appropriate preparation for graduate work in human services, social work, counseling, criminal justice, sociology, human resources, and law.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

## HUMAN SERVICES MAJOR (BA)

**Required Courses**

*At least 12 credits may be selected from the following menu to complete this major:*

Course			
Department	Number	Credits	Course Title
BMS	307	3	Youth Ministry
	308	3	Teaching the Bible
COM	235	3	Sign Communication
	329	3	Cross Cultural Communication
CNS	—	3	Any counseling course
ENG	329	3	Business and Professional Writing
MGT	207	3	Organizational Behavior and Conflict Resolution

MGT	305	3	Human Resource Management
POL	105	3	American National Government
	106	3	Introduction to Politics
	107	3	Fundamentals of Moral Leadership
	208	3	State and Local Government
PSY	206	3	Human Adjustment
	318	3	Human Sexuality
SOC	106	3	Societies
	206	3	Introduction to Social Work
SPE	115	3	Typical Atypical Development 0-5
	209	3	Introduction to Exceptional Individuals
<b><i>All 54 credits from the following departments are required for this major:</i></b>			
COM	228	3	Business and Professional Speaking
ENG	345	3	Grants Writing and Research
HSV	216	3	Statistics for the Social and Behavioral Sciences or MAT 215, Applied Statistics I
	465	3	Human Service Internship
MAT	106	3	Beginning Algebra
PHL	205	3	Ethics
PSY	105	3	Introduction to Psychology
	106	3	Social Psychology
	107	3	Human Development: A Life Span Perspective or PSY 201, .....Developmental Psychology: Birth to Twelve Years or PSY 202, Developmental Psychology: The Adolescent
	205	3	Personality
	308	3	Abnormal Psychology
SOC	105	3	Principles of Sociology
	205	3	Social Problems
	307	3	Minority Relations or SOC 327, Cultural Differences in 21 <sup>st</sup> Century America
	406	3	Social Science Research Methods
	—	9	Any three 300-level or higher sociology course
	—		
	—	66	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).

## HUMAN SERVICES MAJOR (BS)

### Required Courses

*At least 18 credits may be selected from the following menu to complete this major:*

Department	Course Number	Credits	Course Title
BIO	105	2	Medical Terminology
	121	4	Principles of Biology I
	122	4	Principles of Biology II
	206	4	Human Anatomy
	207	4	Human Physiology
	215	4	Microbiology
	217	1	Environmental Ethics
CHE	106	4	Practical Chemistry for Life
	121	3	General Chemistry I

CHE	121L	1	Laboratory for General Chemistry I
	122	3	General Chemistry II
	122L	1	Laboratory for General Chemistry II
ESC	205	3	Nutrition for Fitness and Sport
	206	2	Personal and Community Health
HSC	105	1	Introduction to Health Sciences
	136	1	First Aid and CPR – Professional Rescuer
	206	3	Pharmacology for the Health Sciences or NUR 206, Pharmacology
NUR	225	1	Issues in Aging
	228	1	Health Care Policy, Finance, and Regulatory Environment
—	—	4-8	Any approved lab science course not listed above

*All 57 credits from the following departments are required for this major:*

COM	228	3	Business and Professional Speaking
ENG	305	3	Research Writing Skills or ENG 345, Grants Writing and Research
HSV	216	3	Statistics for the Social and Behavioral Sciences or MAT 215, Applied Statistics I
	465	3	Human Service Internship
MAT	106	3	Beginning Algebra
PHL	205	3	Ethics or PHL 216, Health Care Ethics
PSY	105	3	Introduction to Psychology
	106	3	Social Psychology
	107	3	Human Development: A Life Span Perspective or PSY 201, Developmental Psychology: Birth to Twelve Years or PSY 202, Developmental Psychology: The Adolescent
SOC	205	3	Personality
	308	3	Abnormal Psychology
	105	3	Principles of Sociology
	205	3	Social Problems
	307	3	Minority Relations or SOC 327, Cultural Differences in 21 <sup>st</sup> Century America
	328	3	Sociology of Globalization and Post-Colonial Cultures
	406	3	Social Science Research Methods
	—	9	Any three 300-level or higher sociology course
—	—	75	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).

## COUNSELING MINOR

(See page 249)

## HUMAN SERVICES COURSE OFFERINGS

### HSV 216. Statistics for the Social and Behavioral Sciences

**3 credits**

(Cross-listed as POL 216, PSY 216 and SOC 216)

An introduction to statistical and data analysis techniques for students majoring in the social and behavioral sciences. Topics include descriptive statistics for central tendency, variation and association, fundamentals of probability,

sampling distributions, the logic of inference, estimation and hypothesis tests for means and percentages, and an overview of more advanced techniques including the analysis of variance and correlation and regression. Prerequisite: MAT 106. Open to majors in HSV, PSY, SOC, and POL only. Spring.

**HSV 465. Human Services Internship**

**3-6 credits**

A professionally supervised practical experience in a public or private human services agency. Successful completion of the internship requires at least 215 hours in the field plus one hour per week consultation with the supervising professor. Prerequisites: Enrollment as a human services major, junior or senior standing, and the approval of the internship site and permission to enroll given by the Admissions and Progression Committee.

**HSV 475. Advanced Faith and Learning Integration**

**3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**HSV 195, 295, 395, 495. Special Topics**

**3 credits**

## INTEGRATED BACHELOR'S DEGREE TO MASTER OF ARTS (MA) OVERVIEW

DEPARTMENT OF HUMANITIES

KAREN FISHER YOUNGER, PH.D., CHAIR

*For additional information on the University's graduate program in counseling (i.e., M.A.), see page 312.*

### General Information

The Integrated Undergraduate and Master of Arts program allows students who have completed all undergraduate general education requirements and met other academic requirements (listed below) to enroll in graduate Counseling courses during their senior year. The graduate courses will be taken as 400 level courses until the student has graduated with an undergraduate degree and is formally accepted into the Master of Arts in Counseling program. Students will not be accepted as graduate students until they have completed their Baccalaureate degree. Upon acceptance into the Counseling program, the student will petition the Registrar to transfer the 400 level counseling courses to a 500 level counseling courses in fulfillment of the degree requirements for the Master of Arts in Counseling. The Counseling program courses cannot be substituted for undergraduate required courses or electives. Students can take up to two courses as part of their undergraduate tuition, provided that the combined enrollment does not exceed 18 total credits in any semester. Students electing to take more than two graduate Counseling courses in their senior year will be charged the graduate tuition rate for those additional courses.

### Requirements to Enroll as an Accelerated Counseling Student:

- Application to the integrated program will typically occur during the Spring semester of the student's junior year.
- Students must have a 3.2 overall GPA and a 3.5 GPA in their major in order to be considered for the Accelerated BA to MA program;
- Undergraduate students must have completed all of their undergraduate general education requirements at the time of their matriculation into the program;
- Students must have earned no less than 102 undergraduate credits of which 30 must have been completed at Waynesburg University in two semesters prior to matriculation into the Integrated Program.
- Obtain approval from their undergraduate academic advisor and the Director of Graduate Counseling programs.



- Meet all other admission requirements required of regular Master of Arts in Counseling applicants (i.e., references, act 33, 151 and FBI clearances).
- Maintain a minimum of a 3.00 in MA courses with no grade lower than a B.

**Course progression for the Integrated program:**

Students may take up to four MAC courses in their senior year:

- CNS 495 01 Foundations of Counseling (Fall/Session I)
- CNS 495 02 Culture and Identity (Fall/Session II)
- CNS 496 01 Counseling Theories and Techniques I (Fall/Session I)
- CNS 496 02 Professional Issues and Ethics (Fall/Session II)

**Tuition**

During a student's 4th year, tuition will be assessed at a flat, undergraduate tuition rate including six graduate credits. Once a student enters the summer of the 5th year, tuition will be assessed at the standard M.A. in counseling rate. If students transfer their 4th year M.A. in counseling course(s) to another school, students will be retroactively assessed the M.A. in counseling tuition rate for the course(s) taken during the 4th year.

# INTEGRATED BACHELOR OF ARTS IN CRIMINAL JUSTICE ADMINISTRATION AND MASTER OF ARTS IN CRIMINAL INVESTIGATION OVERVIEW

DEPARTMENT OF CRIMINAL JUSTICE AND SOCIAL SCIENCES

ADAM E. JACK, M.S., CHAIR

*For additional information on the University's graduate program in criminal investigation (i.e., M.A.), see page 322.*

**General Information**

The Integrated Undergraduate Bachelor of Arts and Master of Arts program allows students who have completed all undergraduate general education requirements and met other academic requirements (listed below) to enroll in graduate Criminal Investigation courses during their senior year. The graduate courses will be taken as 400 level courses until the student has graduated with an undergraduate degree and is formally accepted into the Master of Arts in Criminal Investigation program. Students will not be accepted as graduate students until they have completed their Baccalaureate degree. Upon acceptance into the Criminal Investigation program, the student will petition the Registrar to transfer the 400 level criminal investigation courses to a 500 level criminal investigation courses in fulfillment of the degree requirements for the Master of Arts in Criminal Investigation. The Criminal Investigation program courses cannot be substituted for undergraduate required courses or electives, but can be taken without charge as part of the undergraduate tuition. The student must not exceed 18 total credits in any semester, with a minimum of 12 undergraduate credits to remain a full-time undergraduate student.

**Requirements to Enroll as an MACI Student:**

- Application to the integrated program will typically occur during the Spring semester of the student's junior year.
- Students must have a 3.00 overall GPA in order to be considered for the Accelerated BA to MA program;
- Obtain approval from their undergraduate academic advisor and the Director of Graduate Criminal Investigation program.
- Meet all other admission requirements required of regular Master of Arts in Criminal Investigation applicants.
- Maintain a minimum of a 3.00 in MACI courses with no grade lower than a B.

**Tuition**

During a student's 4th year, tuition will be assessed at a flat, undergraduate tuition rate including six graduate credits. Once a student enters the summer of the 5th year, tuition will be assessed at the standard M.A. in criminal investigation rate. If students transfer their 4th year M.A. in criminal investigation course(s) to another school, students will be retroactively assessed the M.A. in criminal investigation tuition rate for the M.A. course(s) taken during the 4th year.

## INTERDISCIPLINARY STUDIES

BRIAN L. CARR, ADVISOR

The Interdisciplinary Studies (IDS) major at Waynesburg University is a flexible degree program that seeks to serve the needs of students who wish to design an individualized course of study. Through the IDS major, students are able to combine courses from two or more academic disciplines into a Concentration Area. The flexibility of the program makes possible the pursuit of a wide variety of interests.

The Concentration Area includes a minimum of 54 credits from two or more academic disciplines that the student integrates into a single program. At least 30 credit hours must be in upper-division courses (300-level or above). No more than two-thirds of the Concentration Area may be in one discipline.

During the senior year, each student in the IDS major shall enroll in a three-credit independent study, internship, or honors course in the academic discipline in which the advisor teaches. The advisor shall be the instructor of record for this course. The goal of this course is for the student to integrate his or her knowledge of the selected academic disciplines.

Students seeking the Bachelor of Arts or Bachelor of Science degree in IDS will be expected to meet the General Education Requirements for the Baccalaureate degree. It is recommended that students declare an IDS major before completing 60 credit hours. Eligible students must submit an IDS major proposal to the IDS Advisor. At the time of application, students are expected to have a cumulative grade point average of at least 3.00.

### **General Application Procedures for the Interdisciplinary Studies Major**

1. A student who wishes to apply for the IDS major should contact the advisor of interdisciplinary studies no later than the first semester of his/her sophomore year.
2. The student and the IDS advisor will meet to discuss the student's interests and the feasibility of successful completion of the major.
3. If it is determined that the student may successfully complete the major, the IDS advisor and the student will develop a formal list of courses, the Concentration Area. This list will include all courses which the student will be required to complete for the major. The list will also be used to track the student's progress and to ensure that all other requirements of the IDS major are being fulfilled.
4. An advisor from at least one of the disciplines within the Concentration Area will be assigned to assist the student in his/her endeavors.
5. Once the Concentration Area list is complete, the following persons must sign the Concentration Area plan indicating their approval: the student, the IDS advisor, all other assigned advisors, the Registrar, and the Provost.
6. After approval, the IDS major will become the official major of the student.
7. At this point the student will follow the plan. Advising will be done by both the IDS advisor and the specific discipline advisors.

## INTERNATIONAL STUDIES

The International Studies curricula are designed to give students a background of events, economics, and cultures of the world. Students may take a broad view or concentrate on the business aspects of international concerns. Much flexibility is available, but all students majoring in International Studies must spend at least four weeks (preferably a

semester) studying abroad. Students may wish to concentrate on a particular country, focus on a selected part of the world, or seek a broad understanding of international relations.

Graduates will find many career opportunities ranging from service vocations (in organizations such as the United Nations, U.S. Department of State, and world relief groups) to international business occupations. The international internship sometimes results in an offer of a career. This major or minor may also lead to graduate study in politics, law, economics, history, or other related fields.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## INTERNATIONAL STUDIES MAJOR (INTERNATIONAL BUSINESS OPTION)

GORDON W. MCCLUNG, PH.D., ADVISOR

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
<b>Business Core:</b>				
ACC	101	3	Principles of Managerial Accounting.....	1
BDA	105	3	Business Systems Applications.....	1
	205	3	Statistical Applications in Data Analytics..... or MAT 215, Applied Statistics I	2
	305	3	Advanced Data Analytics and Visualization.....	3
BUS	155	3	Creativity and Innovation .....	1
	228	3	International Business and Cultures.....	2
	318	3	Business Law .....	3
	358	3	Leadership, Stewardship, and Ethics .....	3
	417	3	Capstone Experience.....	4
ECO	202	3	Economics of Business .....	2
FIN	205	3	Business Finance I .....	2
MGT	205	3	Principles of Management .....	2
MKT	205	3	Marketing.....	2
<b>International Studies:</b>				
ECO	206	3	Money and Banking.....	2
POL	106	3	Introduction to Politics.....	1
SOC	106	3	Societies.....	1
—	—	9	300- or 400-level courses approved by the academic advisor and department chair	
	—	57	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

### Recommended Courses:

HIS	206	3	Twentieth-Century World History and Culture
LAN/SPN	—	6	Minimum of 6 hours of language study
	—		

ECO	309	3	International Economics
INT	310	3	International Law
POL	309	3	International Relations

## INTERNATIONAL STUDIES MAJOR (INTERNATIONAL CULTURE OPTION)

RICHARD WADDEL, PH.D., PROGRAM DIRECTOR

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
BMS	306	3	World Religions.....	3 or 4
ECO	309	3	International Economics .....	3 or 4
ENG	318	3	World Literature II.....	2 or 3
GEO	105	3	Introduction to Geography .....	1 or 2
HIS	206	3	Twentieth-Century World History and Culture.....	2 or 3
INT	105	3	World Poverty and World Development.....	1 or 2
	469	4-16	International Internship.....	3 or 4
			(credits depend on length of time and demands of position)	
LAN	195	6-12	Special Topics in Language or SPN 101, 102, 103, 104, 105, 201, 202 that totals two or more semesters of a language or linguistics.....	1 or 2
POL	106	3	Introduction to Politics.....	1S
	309	3	International Relations.....	3 or 4
	316	3	Comparative Politics.....	3 or 4
SOC	106	3	Societies.....	1
		40-58	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

**Recommended Courses:** The student must select enough courses from this list to bring the minimum total hours to 54.0 credits.

ART	101	3	Art to the Early Renaissance
	102	3	Art from the Early Renaissance to the Present
BUS	228	3	International Business and Cultures
ECO	201	3	Macro Economics
INT	228	3	Cultures & Environment of Global Business
MUS	117	3	Ethnomusicology (Folk Music)
POL	206	3	American Foreign Policy

## INTERNATIONAL STUDIES MINOR

### Required Courses

Department	Course		Course Title
	Number	Credits	
BMS	306	3	World Religions
ECO	309	3	International Economics
GEO	105	3	Introduction to Geography
HIS	206	3	Twentieth-Century World History and Culture
INT	105	3	World Poverty and World Development
LAN	195	6	Special Topics in Language

			or SPN 101, 102, 103, 104, 105, 201, 202 that totals at least two semesters of a language or linguistics
POL	309	3	International Relations
	316	3	Comparative Politics
		27	Credits for this minor.

#### Recommended Courses

ART	101	3	Art to the Early Renaissance
	102	3	Art from the Early Renaissance to the Present
BUS	495	3-9	Selected Topics in International Business
ECO	201	3	Macro Economics
ENG	318	3	World Literature II
INT	228	3	Cultures & Environment of Global Business
MUS	117	3	Ethnomusicology (Folk Music)
POL	106	3	Introduction to Politics
	206	3	American Foreign Policy
SOC	106	3	Societies
LAN	195	3-6	Special Topics in Language or SPN 101, 102, 102, 104, 105, 201, 202 to provide students with as much language study as their curricula permit)

## INTERNATIONAL STUDIES COURSE OFFERINGS

### **INT 105. World Poverty and World Development (Cross-listed as ECO 105) 3 credits**

This class surveys fundamental issues in international development, including food security, public health, environmental resource management, education, population, gender issues and economic development. The course explores the root causes of hunger and poverty, and assesses various development strategies to address these problems. The course will fulfill one of the General Education course requirements in social science. (Offered when interest is expressed and departmental resources permit.)

### **INT 228. International Business and Cultures 3 credits**

**(Cross-listed as BUS 228; formerly Cultures & Environments of Global Business)**

International Business and Cultures is an introductory survey course of global cultures and environments that form the context for business in a diverse and interdependent world. A study of world markets including an analysis of economic, political, cultural and business trends impacting multinational corporations. This course provides an interdisciplinary approach to intercultural and international business issues. Students will develop global awareness and exposure to different cultures. Topics covered include globalization, cultural diversity, ethnicity, nationalism, religion, languages, legal & economic systems, corporate culture, ethics, human rights and resources. Fall

### **INT 309. International Economics (Cross-listed as ECO 309) 3 credits**

Pure theory of international trade. Balance of payments and foreign exchange rates. Commercial policy and the interaction between internal and external equilibrium. International liquidity and the international monetary system. Prerequisites: ECO 201 and 202 or permission of the department chair. (Offered when interest is expressed and departmental resources permit.)

### **INT 310. International Law 3 credits**

A course in the principles and issues of international law. Topics covered include: an introduction to U.S. international law, a sample of unique law issues in selected other countries, and principles of dealing with law outside the U.S. (Offered when interest is expressed and departmental resources permit.)

### **INT 469. International Internship (Cross-listed as BUS 469) 4-16 credits**

The student has several options for obtaining experience in an international context. A student may choose to study abroad, engage in an immersive international mission trip, be placed in a supervised international business internship or serve an internship in the US with a foreign owned business. Credit is determined by the length of the stay (one credit per week for study abroad or international mission trips) or the number of hours served in the internship (40 hours of work for one credit hour). The student is required to achieve four credits of international experience and can count a maximum of 16 credits towards their degree program. Student is responsible for all travel costs and any surcharges as a

result of the program selected. Placements are available in nearly every country and will vary according to the agency supervising the internship.

**INT 475. Advanced Faith and Learning Integration**

**3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**INT 195, 295, 395, 495. Seminar in Selected Topics (Cross-listed as ECO 495)**

**3-6 credits**

A study of selected economics issues. A research paper is required. Prerequisites: 15 semester hours in economics and a 2.50 average in economics or permission of the department chair. (Offered when interest is expressed and departmental resources permit.)

## LANGUAGE

DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES

JILL MOYER SUNDAY, M.A., CHAIR

### LANGUAGE COURSE OFFERINGS

**LAN 195, 295, 395, 495. Special Topics in Language**

**3 credits**

A study of a specific language and culture. The language and the level will vary by semester. This course is open to all students and may be taken more than once if the topic differs. (Offered when interest is expressed and departmental resources permit.)

**LAN 309. History of the English Language (Cross-listed as ENG 309)**

**3 credits**

This course covers the history of English, a polyglot language, claimed by Americans and British as their mother tongue. From the earliest beginnings of Old English through the Norman Invasion, Samuel Johnson's dictionary, imposition of Germanic grammar rules, and the advent of the internet, we'll trace the ways in which English came to be what it is today. Prerequisite: ENG 102, 185, or 188. (Offered when interest is expressed and departmental resources permit.)

## LIFE SKILLS

ADAM E. JACK, M.S., DIRECTOR OF ATHLETICS

Students are permitted to take a maximum of two credits applicable towards the 124 credit graduation requirement; however, students are not permitted to take the same course, including varsity sports, more than once for credit.

### LIFE SKILLS COURSE OFFERINGS

**LSK 101. Wellness**

**1 credit**

Incorporates reading and discussions about healthy sleep and eating habits and effective coping with stressors. It meets the general education requirement when taken in conjunction with any of the following Life Skills courses: LSK 105, 107, 115, 116, 117, 119, 125, 126, 128, 129, 135, 136, and special topic offerings such as dance, yoga, and Pilates.

**LSK 116. Weight Training**

**Lab**

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory

endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning

**LSK 117. Racquetball**

**Lab**

Instruction in the basic rules and skills of racquetball such as kill shots, ceiling shots, power serves, lob serves and z-serves. Instruction in doubles and singles play so that one can become fit and a competent participant. Fall

**LSK 125. Varsity Sports**

**1 credit**

Participation in one of the varsity sports, including those for men: baseball, basketball, cross country, football, golf, soccer, tennis, indoor and outdoor track and field and wrestling; and those for women: basketball, cross country, golf, lacrosse, soccer, softball, tennis, indoor and outdoor track and field and volleyball.

**LSK 126. Volleyball**

**Lab**

Instruction in the basic fundamentals of volleyball as a recreational and competitive activity. Skills emphasized include serving, setting, digging, and spiking.

**LSK 128. Jogging**

**Lab**

A course designed to provide lifetime aerobic activity with emphasis on distance running as a means for improved cardiovascular conditioning.

**LSK 135. Basketball**

**Lab**

Fundamentals for novice basketball players. Leads into team scrimmage and a chance to participate in the sports through adult life.

**LSK 136. Lasershot: Basic Firearms Shooting and Safety**

**Lab**

This course will introduce the student to the basic handling of a firearm (handgun; shotgun; and rifle) and teach the techniques needed to operate the firearm safely and efficiently. Some topics to be covered will include firing at a stationary target, moving targets, target acquisition, drawing from a holster, acquiring a sight picture, and range safety.

**LSK 195. Special Topics**

**Lab**

(Offered when interest is expressed and departmental resources permit.)

**NOTE:** Military Science 101, Introduction to ROTC (2 credits), will also meet the general education life skills requirement.

## MARINE BIOLOGY

DEPARTMENT OF BIOLOGY, ENVIRONMENTAL SCIENCE, AND HEALTH SCIENCE

CHRISTOPHER A. CINK, PH.D., CHAIR

Waynesburg University in conjunction with Florida Institute of Technology (FIT) and Coastal Carolina University (CCU) offers a combined curriculum of study leading to the degree of Bachelor of Science in Marine Biology. The program provides for completion of biology, chemistry, mathematics, physics, and liberal arts course work during three years at Waynesburg University and completion of Marine Biology course work in one year at FIT or CCU.

Additional costs, while attending the cooperative university, may be incurred as a result of enrolling in the Marine Biology program. The cost for tuition at FIT ([www.fit.edu](http://www.fit.edu)) during the 2021-2022 academic year is \$21,235 per semester, and the cost for tuition at CCU ([www.coastal.edu](http://www.coastal.edu)) during the 2021-2022 academic year is \$13,697 per semester. These prices do not include costs for room and board.

There are many career opportunities in marine biology, ranging from employment with federal, state or local agencies, non-profit groups, private consulting groups or laboratories associated with natural resources, wildlife management, or basic scientific research. Students can also pursue careers at professional zoos and aquaria. Additionally, many students continue their education by pursuing an MS or PhD at another institution.

Students must maintain a cumulative GPA of 2.50 or higher in the major in order to progress to the junior year and senior year. All required courses in the major must be completed with a grade of C- or higher, and a student may repeat a required course no more than once.

To qualify for the degree of Bachelor of Science in Marine Biology the candidate must:

- Present a minimum of 95 semester hours of credit with a minimum of 45 hours of at least 2.50.

- Satisfy the specific requirements for the baccalaureate degree at Waynesburg University as set forth in the University catalog.
- Complete satisfactorily the major courses at FIT or CCU. (Students seeking admission to that institution for the senior year of study should apply during the first semester of the third year.)

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## MARINE BIOLOGY MAJOR

### Required Courses – FIT Track

*Waynesburg University courses which are prerequisites for the Florida Institute of Technology program.*

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
BIO	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
	201	4	Invertebrate Zoology.....	2F
	202	4	Vertebrate Zoology.....	2S
	215	4	Microbiology.....	2S
	305	4	Ecology.....	3F
	321	3	Biochemistry I.....	3F
	321L	1	Biochemistry Lab.....	3F
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	122	3	General Chemistry II.....	2S
	122L	1	Laboratory for General Chemistry II.....	2S
	211	4	Organic Chemistry I.....	2F
	212	4	Organic Chemistry II.....	2S
COM	228	3	Business and Professional Speaking.....	3
MAT	205	4	Functions and Trigonometry.....	1F
	211	4	Calculus I.....	1S
PHY	201	4	Introductory Physics I.....	3F
	202	4	Introductory Physics II.....	3S

63 Credits on the Waynesburg University Campus for this major.  
Requirements at Florida Institute of Technology must also be met. Prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).

### Florida Institution of Technology

#### Summer

Field Courses – Strongly recommend one of the following:

BIO 2955	Field Biology and Ecology – Coral Reefs
BIO 2925	Field Biology and Ecology – Africa
BIO 2935	Field Biology and Ecology – Smoky Mountains
BIO 2945	Field Biology and Ecology – Rockies
BIO 3935	Ecology of Tropical Ecosystems – Belize or Costa Rica

#### Senior

#### Fall



BIO 4710	4	Marine Biology
BIO	3-4	Biology elective (see below)
COM 2223	3	Scientific and Technical Communication *
BIO 3801	3	Biometry
<b>Recommended:</b>		
BIO 4530	4	Biology of Fishes
BIO 4991	3	Undergraduate Research
BIO 5025	3	Ecology: Salt Marsh and Mangrove
BIO 5040	4	Marine Mammalogy
<i>Spring</i>		
BIO 4720	4	Marine Ecology
BIO	3-4	Biology elective (see below)
BIO	3-4	Biology elective (see below)
BIO	3-4	Biology elective (see below)
<b>Recommended:</b>		
BIO 3625	3	Molluscan Aquaculture
BIO 4601	3	Coral Fish Ecology
BIO 3220	4	Developmental Biology
BIO 4110	4	Biochemistry II
BIO 4992	3	Undergraduate Research **
BIO 5010	4	Ichthyology
BIO 5045	4	Reproduction and Recruitment of Marine Fishes
BIO 5050	3	Molluscan Biology
BIO 5060	3	Biology and Ecology of Seagrass
	16-30	FIT
	124-128	Total

\*NOTE: Students may need an additional elective at some point in the 4-year program to meet the Waynesburg University requirement of 124 credits.

## MARINE BIOLOGY MAJOR

### Required Courses – CCU Track

*These courses must be taken at Waynesburg University in preparation for courses at Coastal Carolina University.*

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
BIO	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
	201	4	Invertebrate Zoology.....	2F
	202	4	Vertebrate Zoology.....	2S
	305	4	Ecology.....	3F
	315	4	Cell and Molecular Biology.....	3F
	406	4	Genetics.....	3S
CHE	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	122	3	General Chemistry II.....	1S
	122L	1	Laboratory for General Chemistry II.....	1S
	207	4	Organic and Biochemical Concepts.....	3F
COM	228	3	Business and Professional Speaking.....	2
ENG	305	3	Research Writing Skills.....	3S
MAT	106	3	Beginning Algebra.....	1F
	108	3	Intermediate Algebra.....	1S
	205	4	Functions and Trigonometry.....	2F

MAT	211	4	Calculus I.....	2S
	215	3	Applied Statistics I.....	2S
PHY	201	4	Introductory Physics I.....	3F
	202	4	Introductory Physics II.....	3S
	71		Credits on the Waynesburg University Campus for this major. Requirements at coastal Carolina University must also be met. Prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

### Coastal Carolina University

#### Required Courses

MSCI	111/L	4	Introduction to Marine Science/Lab
	112/L	4	The Origin and Evolution of the Marine Environment/Lab
	302/L	4	Marine Biology/Lab

#### Recommended Courses

BIOL	322/L	4	Physiological Ecology/Lab
	426/L	4	Ichthyology/Lab
	436/L	4	Animal Behavior/Lab
	455/L	4	Marine Botany/Lab
	466/L	4	Ecology of Fishes/Lab
	484/L	4	Conservation Ecology/Lab
MSCI	301/L	4	Physical Oceanography/Lab
	303	3	Aquaculture
	305/L	4	Marine Chemistry/Lab
	331/L	4	Introduction to Geographic Information Systems (GIS) and Remote Sensing/Lab
	355/L	4	Introduction to Environmental Ecotoxicology/Lab
	445/L	4	Coastal Processes/Lab
	457/L	4	Marine Zooplankton/Lab
	458/L	4	Fisheries Science/Lab
	461	3	Marine Biological Invasions
	466/L	4	Diseases and Parasites of Aquatic Organisms/Lab
	471/L	4	Biology of Marine Mammals/Lab
	475/L	4	Marine Ecology/Lab
	476/L	4	Marine Plankton/Lab
	478/L	4	Marine Invertebrate Zoology/Lab

#### Summer

MSCI	376/L	3	Biology of Sea Turtles/Lab
	399	1	Independent Study (associated with MSCI 376/L)
	473/L	4	Biology of Sharks/Lab
	477	3	Ecology of Coral Reefs
	499	3	Directed Undergraduate Research (associated with MSCI 477)

Students must take a minimum of 24 hours during the senior year. Those hours must include the above “required” courses. The remaining hours should be 300-level or above science courses, which may include, but are not limited to, the above “recommended” courses. Any substitutions must be approved by the Department Chair and Academic Advisor at Waynesburg University, and this documentation must be completed in advance. Students should also note that some of the recommended courses at CCU will require CCU pre-requisites, so they should plan their fall and spring semester accordingly.

# MATHEMATICS

DEPARTMENT OF MATHEMATICS, COMPUTER SCIENCE, AND PHYSICS

RICHARD A. LEIPOLD, PH.D., CHAIR

## MATHEMATICS MAJOR

Mathematics, the analytic study of quantitative relationships, has acquired increasing importance in the modern world. The Department of Mathematics, Computer Science, and Physics at Waynesburg University offers three programs of study in mathematics leading to the Bachelor of Science degree. The program of study in mathematics is designed to provide students with a solid foundation in both theoretical and applied mathematics. Students enrolled in the program will be exposed to various areas of mathematics such as calculus, statistics and probability, algebraic structures, number theory, differential equations, linear algebra, and geometry. Students will also study basic concepts of logic and intermediate levels of computer science. The program in mathematics is designed to provide students with the skills necessary for successful and productive careers in business, industry, government, research, or continued studies in the mathematical sciences. With careful planning, students may receive a minor in another area of study.

## MATHEMATICS EDUCATION, SECONDARY TEACHING CERTIFICATION OPTION

The Mathematics Major with the Secondary Education Option is designed for those students who wish to pursue a career teaching mathematics at the secondary school level. The mathematics curriculum meets the requirements set forth for certification by the Commonwealth of Pennsylvania. Students will be exposed to various areas of mathematics such as algebraic structures, geometry, probability, statistics, linear algebra, calculus, trigonometry, finite mathematics, and number theory.

In addition the student will be expected to complete the professional program in education and satisfy all liberal arts requirements. The student will visit various classes in area middle and senior high schools beginning the second semester of the freshman year. The student will also participate in a practicum of teaching mathematics to his or her peers in preparation for the student teaching experience.

Student teaching will normally take place during the first semester of the senior year. It is the goal of the Mathematics Education program to graduate students who will be exemplary mathematics teachers and provide many quality years of service on the secondary school level.

Upon graduation, students will receive a Bachelor of Science Degree in Mathematics Education and may be recommended to the Pennsylvania Department of Education for certification to teach mathematics in grades 7 through 12. The Pennsylvania Department of Education will issue certification to recommended candidates who have passed all portions of the National Teacher Examination.

## THREE/TWO ENGINEERING PROGRAM

Waynesburg University, in conjunction with cooperating university Schools of Engineering, offers five-year (three/two) engineering programs. These programs provide for completion of chemistry, mathematics, physics, and general education course work during three years at Waynesburg University and completion of the engineering course work in two years at a cooperating university. Upon successful completion of the mathematics track of the five year program, as outlined under the Engineering section of this catalog, students will earn a Bachelor of Science degree with a major in mathematics from Waynesburg University and a Bachelor of Science in Engineering degree from the cooperating university.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## MATHEMATICS MAJOR

**Required Courses**

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
COM	228	3	Business and Professional Speaking .....	2
CSC	105	3	Introduction to Computers .....	1
	116	3	Computer Programming I .....	2
	117	3	Computer Programming II .....	2
MAT	205	4	Functions and Trigonometry .....	1F
	211	4	Calculus I .....	1S
	212	4	Calculus II .....	2F
	213	3	Calculus III .....	3S
	215	3	Applied Statistics I .....	3 or 4
	217	3	Applied Discrete Mathematics .....	2F
	218	3	Applied Linear Algebra .....	2S
	308	3	Geometry .....	2S
			or MAT 316, Vector Calculus	
			or MAT 406, Differential Equations	
	315	3	Introduction to Mathematical Statistics .....	4S
	317	3	Operations Research .....	3 or 4
			or MAT 407, Numerical Analysis	
			or MAT 409, Number Theory	
	397	1	Seminar .....	3
	415	3	Introduction to Real Analysis .....	4F
			or MAT 416, Modern Algebra	
	499	1	Senior Project .....	4
	—	3	One course to be selected from: MAT 308, 316, 317, 406, 407, 409, 415, 416 and which has not been used as one of the above required courses.	
PHL	106	3	Logic .....	2
		53	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

**MATHEMATICS MAJOR (SECONDARY EDUCATION OPTION)****Required Courses**

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
CSC	105	3	Introduction to Computers .....	1
	116	3	Computer Programming I .....	2
	117	3	Computer Programming II .....	2
EDU	107	3	Technology in Education .....	2S
	115	3	Introduction to Middle Level and Secondary Education .....	1F
ENG	215	3	Language and Teaching of the English Language Learner .....	3S
	316	3	Adolescent Literacy .....	2S
MAT	205	4	Functions and Trigonometry .....	1F
	211	4	Calculus I .....	1S
	212	4	Calculus II .....	2F
	213	3	Calculus III .....	3S
	215	3	Applied Statistics I .....	2F or 3F
	217	3	Applied Discrete Mathematics .....	2F
	218	3	Applied Linear Algebra .....	2S
	308	3	Geometry .....	2S or 3S

MAT	315	3	Introduction to Mathematical Statistics .....	4S
	397	1	Seminar .....	3
	409	3	Number Theory.....	3S or 4S
	416	3	Modern Algebra.....	3F or 4F
	499	1	Senior Project.....	4
	—	3	One course to be selected from: MAT 316, 317, 406, 407, 415	
PHL	106	3	Logic.....	2S or 3S
PSY	202	3	Developmental Psychology: Adolescent.....	3S
SED	206	3	Secondary Educational Psychology .....	2F
	305	3	Secondary Curriculum .....	3F
	309	3	Secondary Math Methods .....	2S or 3S
	405	2	Secondary Student Teaching Practicum.....	4
	406	2	Secondary Student Teaching Seminar .....	4
	407	12	Secondary Student Teaching.....	4
SLR	107	1	Service Learning for Education .....	2S
SPE	209	3	Introduction to Exceptional Individuals.....	1S
	316	3	Assessment in the Inclusive Classroom .....	3F
	325	3	Instructional Strategies in the Inclusive Classroom .....	3S
		103	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## FINANCIAL MATHEMATICS MINOR

(SEE PAGE 98)

## MATHEMATICS MINOR

### Required Courses

Department	Course Number	Credits	Course Title	
MAT	211	4	Calculus I.....	1S
	212	4	Calculus II.....	2F
	215	3	Applied Statistics I.....	3 or 4
	217	3	Applied Discrete Mathematics.....	2
	218	3	Applied Linear Algebra .....	2
	—	6	Two courses at the 300-level or higher	
	—	23	Credits for this minor.	

## MATHEMATICS COURSE OFFERINGS

**NOTE:** Once a student has completed a course in the department, the student cannot take any course that is in the pre-requisite/Co-requisite sequence leading up to the course taken, without the permission of the department chair.

### MAT 105. Basic Concepts

**3 credits**

A course that covers addition, subtraction, multiplication and the division of fractions and decimals; working with positive and negative numbers; percentages, ratios, and rates. The course utilizes these skills by introducing some practical word problems in each section. An introduction to algebra will also be covered. This course does not satisfy the general education requirement for quantitative reasoning skills. Fall

### MAT 106. Beginning Algebra

**3 credits**

This is an introductory course in algebra. Students will learn the basic concepts and applications of algebra. The course will cover real numbers and variables, solving equation and inequalities, solving applied problems, exponents and polynomials, factoring, and graphing. This course does not count toward any program within the mathematics and computer science department. Prerequisite: MAT 105 (or equivalent).

**MAT 107. Practical Mathematics for Everyday Life** **3 credits**

This course will familiarize students with the scope of mathematical applications in the various disciplines. Concepts and understanding of the applications of elementary set theory, the real number system, probability and statistics, elementary algebra, and consumer mathematics will be emphasized. This course is designed primarily for those students not majoring in mathematics or the sciences. Prerequisite: MAT 105 (or equivalent).

**MAT 108. Intermediate Algebra** **3 credits**

A course in intermediate algebra for students with inadequate preparation for Mathematics 205. Not counted toward any program within the Mathematics Department. Prerequisite: MAT 106 (or equivalent).

**MAT 204. Mathematics for Middle/Junior High School** **3 credits**

An elective course for those students interested in teaching in the middle or junior high schools. Topics include relating fractions and decimals to percents, mixed numbers, scientific notation, and selected areas of algebra, geometry, probability and statistics. Prerequisite: MAT 106 (or equivalent). Spring

**MAT 205. Functions and Trigonometry** **4 credits**

A study of elementary functions, their graphs and applications, including polynomial, algebraic, rational, exponential, and trigonometric functions. Prerequisite: MAT 108 (or equivalent).

**MAT 211. Calculus I** **4 credits**

Limits and continuity, derivatives and integrals of algebraic, exponential, logarithmic, and trigonometric functions; relevant analytic geometry and applications. Prerequisite: MAT 205 (or equivalent).

**MAT 212. Calculus II** **4 credits**

A continuation of MAT 211. Techniques of integration are stressed. Prerequisite: MAT 211.

**MAT 213. Calculus III** **3 credits**

Limits and continuity; infinite series; indeterminate forms; geometry, derivatives, and integration associated with functions of several variables. Prerequisite: MAT 212. Spring

**MAT 215. Applied Statistics I** **3 credits**

Descriptive statistics, introduction to inferential statistics, applications. Prerequisite: MAT 106.

**MAT 216. Statics for Engineers** **3 credits**

Principles of mechanics, force systems, static equilibrium, structures, analysis of frames and trusses, distributed forces, friction, centroids, and moments of inertia. This course is required of all 3-2 engineering (mathematics major) program participants. Prerequisite: Permission of the department chair. (Fall of odd numbered years)

**MAT 217. Applied Discrete Mathematics** **3 credits**

Set theory, propositional logic, Boolean algebra, recurrence relations, combinatorics, matrix algebra, analysis of algorithms, graphs and trees. Prerequisite: MAT 205. Fall

**MAT 218. Applied Linear Algebra** **3 credits**

Linear equations and matrices, vector spaces, linear mappings, determinants, quadratic forms. Spring

**MAT 308. Geometry** **3 credits**

Projective, Euclidean and non-Euclidean geometry, and emphasis on the analytic approach. Prerequisite: MAT 217. (Spring of even numbered years)

**MAT 315. Introduction to Mathematical Statistics** **3 credits**

A study of discrete and continuous sample spaces, probability laws, conditional probability, independence, density and distribution functions, mathematical expectation, joint distributions, and the central limit theorem. Prerequisite: MAT 215. Co-requisite: MAT 213. Spring

**MAT 316. Vector Calculus** **3 credits**

A study of the calculus of vector-valued functions including divergence and curl, line integrals, Green's Theorem, Stokes' Theorem and surface integration. Selected applications include statics of particles, equilibrium of rigid bodies and analysis of structures. Co-requisite: MAT 218. Prerequisite: MAT 212. (Fall of odd numbered years)

**MAT 317. Operations Research** **3 credits**

A study of linear programming, duality theory and sensitivity analysis, network analysis, dynamic programming, decision theory, game theory, and queuing theory. Prerequisites: MAT 215 and MAT 218. (Fall of even numbered years)

**MAT 325. Applied Statistics II (Cross-listed as BIO 325, Biometry) 3 credits**

This course is a continuation of MAT 215 (Applied Statistics I) and is designed to help students gain facility with common statistical models where both the response variable and predictors (explanatory factors) are quantitative or categorical. Prerequisite: MAT 215. (Fall of even numbered years)

**MAT 365. Internship (Cross-listed as CSC 365) 1-3 credits**

On-the-job experience either on or off-campus. Specific internship duties are negotiated among the student, the on-site supervisor, and the department course instructor. Interns keep journals of their work experiences and time spent on the job, meet regularly with their instructor, and write a final report of their work experience as it relates to their liberal arts education. The final report must also relate the student's work experience to the General Education Goals of the University including those goals that address Judeo-Christian values and traditions. Credits will be awarded as agreed to by the parties involved, following the general rule of approximately thirty hours of on-site effort per hour of credit received. This course may be taken two times for a total of up to 6 hours of credit. Graded credit.

**MAT 397. Seminar 1 credit**

Assigned readings, discussions, oral and written reports on subjects of general mathematical interest and value. A maximum of two credits from this sequence may be counted toward the mathematics major. Prerequisite: Consent of department chair.

**MAT 406. Differential Equations 3 credits**

Methods of solution and applications of ordinary differential equations, introduction to partial differential equations. Prerequisite: MAT 212. (Fall of even numbered years)

**MAT 407. Numerical Analysis 3 credits**

Solution of equations, polynomial approximations, numerical integration and differentiation, matrices, differential equations, development of related computer programs. Prerequisite: MAT 212 and MAT 218. (Fall of odd numbered years)

**MAT 409. Number Theory 3 credits**

A study of properties of the integers. Concepts include factorization, prime numbers, congruences, Diophantine equations, Fermat's and Wilson's theorems, Euler's function, and quadratic reciprocity. Stress will be on the nature of proof. Prerequisites: MAT 217. (Spring of odd numbered years)

**MAT 415. Introduction to Real Analysis 3 credits**

A study of sequences, convergence, limits, continuity, derivatives and differentials, definite integrals, multiple integrals, sequences, and series of functions. Prerequisites: MAT 212 and MAT 217. (Spring of odd numbered years)

**MAT 416. Modern Algebra 3 credits**

A study of groups, rings, fields, and integral domains. Prerequisites: MAT 217. (Spring of even numbered years)

**MAT 475. Advanced Faith and Learning Integration 3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**MAT 195, 295, 395, 495. Special Topics 1-3 credits**

A study of various particular topics which are chosen by the members of the department in consultation with students. Depending upon the particular topics offered, one, two, or three credits may be given. Prerequisite: Consent of department chair. (Offered when interest is expressed and departmental resources permit.)

**MAT 497. Independent Study 1-3 credits**

Independent study and research into specific topics and problems in the field of mathematics. Prerequisite: Consent of department chair.

**MAT 499. Senior Project (Cross-listed as CSC 499) 1-3 credits**

This course requires a literature, including Web, search and written paper on a selected topic in mathematics. The student and coordinating instructor will agree upon the topic. Upon completion, the project will be briefed to the department faculty and a written report will be submitted.

## MILITARY SCIENCE

DEPARTMENT OF CRIMINAL JUSTICE AND SOCIAL SCIENCES

ADAM E. JACK, M.S., CHAIR

### AIR FORCE RESERVE OFFICERS' TRAINING CORPS (AFROTC)

Air Force ROTC is a college program that prepares young men and women to become leaders in the Air Force. The program consists of classes and leadership laboratories each semester to teach you about the Air Force. You will be tested mentally and physically as you acquire strong followership and leadership skills that will benefit you as an Air Force Officer and in life.

### US AIR FORCE COURSE OFFERINGS

**USAF 100. Leadership Laboratory** **1 credit**

Hands-on portion of AFROTC training. Professional Officer Course cadets will plan and lead training for General Military Course cadets. Activities include a dynamic and integrated grouping of leadership developmental activities designed to meet the Air Force's needs and expectations of its prospective Air Force junior officers and complement the AFROTC academic program. Leadership laboratory enrollment is restricted to AFROTC cadets.

**USAF 131/132. Foundations of Air Force I and II** **1-1 credit**

Survey course designed to introduce student to the United States Air Force. It provides an overview of the basic characteristics, missions, and organization of the Air Force. The course includes an overview of AFROTC and AFROTC special programs.

**USAF 251/252. Air and Space Power I and II** **1-1 credit**

Study of the United States Air Force heritage and leaders with respect to the evolution and employment of air and space power. Analysis of operational examples will emphasize development and application of competencies, functions, and doctrine. Prerequisites: USAF 131 and 132.

**USAF 371/372. Leadership Studies I and II** **3-3 credits**

Study of leadership, management, professional knowledge, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used as a means of exercising practical application of concepts. Course credit is determined by each student's academic department. Prerequisites: USAF 251 and 252.

**USAF 481/482. National Security/Active Duty I and II** **3-3 credits**

Course examines the national security process, regional studies, leadership ethics, and USAF doctrine. Topics include the military as a profession, officership, military justice, civilian control of the military, active duty preparation, and issues affecting military professionalism.

### ARMY RESERVE OFFICERS' TRAINING CORPS

Waynesburg University has a partnership program with the Army Reserve Officers' Training Corps (Army ROTC) at West Virginia University. All credits received from ROTC classes are valid towards graduation. Curriculum includes skills expected of an Army Officer including how to motivate co-workers, cope with unexpected challenges, organize complex tasks and an introduction to the Army's values based leadership techniques. Additionally, students learn skills in demand today in the civilian and business world such as teamwork, tact, and effective communications.

There are both two- and four-year ROTC programs. The four-year program is comprised of the Basic Course and the Advanced Course. The first two years comprise the Basic Course. This includes MSC 101 through MSC 202 and includes classroom studies in such subjects as military history, leadership development and national defense. Students can enroll in the program for the first two years without incurring any future military service obligation. After



successful completion of the Basic Course, students who meet Army medical qualification and Army ROTC academic standards can apply for admission into the Advanced Course. The Advanced Course requires MSC 301 through MSC 402, a weekly lab, and an approved military history course. During this part of the program, students will put their management skills to the test while continuing to hone the traits required for commissioning into the United States Army. As a cadet in the Advanced Course, you will spend approximately four weeks of the summer between your junior and senior year attending the Cadet Leadership Course (CLC) at Fort Knox, Kentucky. At CAC, students receive intensive training in leadership tactics, physical fitness, land navigation, obstacle course, rappelling, critical decision-making, and more. They also have the opportunity to lead other cadets through challenging missions and are evaluated among their peers on their leadership abilities, officer potential, as well as the skills and knowledge they have learned through ROTC on campus.

Once contracted in either program, ROTC textbooks, uniforms and essential materials are furnished at no cost. Additionally, if selected for contracting into the Advanced Course, students receive a tax-free monthly stipend (\$450/month as a junior and \$500/month as a senior) paid during the school year once they sign a contract. Students can also contract (obligate themselves to accept a commission as an officer) as early as their sophomore year and would receive a tax-free monthly stipend of \$350/per month during the school year, if they qualify. Only freshman who have received a four-year U.S. Army ROTC National Scholarship can contract during their freshman year.

If students miss the first two years of Army ROTC, the two-year program offers the opportunity to achieve the same goals and benefits as the four-year program. Students will receive the same leadership and management training, but at an accelerated pace. This is designed for sophomores who failed to take the Basic Course or for students transferring after attending another college. In this program, students first attend ROTC Cadet Initial Entry Training at Fort Knox, Kentucky, in the summer between their sophomore and junior year. This is a fully paid (over \$700 plus room, board and transportation), four-week training course where students may compete for two-year scholarships.

U.S. Army ROTC Scholarships are available on a four-year, 3.5-year, 3-year, 2.5-year and 2-year basis for those high-achieving academic students who qualify. In order to qualify for a four-year scholarship, a high school student must have at least a 2.50 GPA, score at least a 19 on their ACT and/or a 920 on their SAT, must pass a Department of Defense Medical Evaluation Review Board (DoDMERB) health physical and eye exam, pass the Army Physical Fitness Test (APFT), meet the Army's height/weight standards, and be of good moral character. For all other scholarships, college students must have at least a 2.50 GPA on their college transcripts, as well as pass the DoDMERB health physical/eye exam, pass the APFT, meet the Army's height/weight standard and be of good moral character. The specifics of these scholarships can be found at the below mentioned website.

Special opportunities exist for students who are members of the Army National Guard or Army Reserve, Nurses, high school JROTC participants and prior service veterans. Information on these programs may be obtained through the Professor of Military Science at 304- 293-2911, or by visiting the website: [www.goarmy.com/rotc](http://www.goarmy.com/rotc).

**NOTE:** Students desiring to pursue the Military Science program should contact the Provost. See also, page 58.

## MILITARY SCIENCE MINOR

*Students enrolled in the partnership Army Reserve Officers' Training Corps (Army ROTC) at West Virginia University may receive this minor by completing the courses listed below:*

### Required Courses

Department	Course		Course Title
	Number	Credits	
HIS	226	3	Topics in American Wars
MSC	301	3	Leading Small Organizations I
	302	3	Leading Small Organizations II
	401	3	Leadership Seminar I
	402	3	Leadership Seminar II
	15		Credits for this minor.

## MILITARY SCIENCE COURSE OFFERINGS

### **Basic Course**

The term Basic Course refers to first and second year courses, MSC 101, 102, 201, and 202 with their respective labs, which are designed for beginning students who want to qualify for entry into the Advanced Course and for those students who may want to try Military Science without obligations. A number of popular or challenging extracurricular activities are associated with these courses. A student can also qualify for entry into the Advanced Course by completing Cadet Initial Entry Training, a four-week training course given in the summer at Fort Knox, Kentucky.

#### **MSC 101. Introduction to ROTC**

**2 credits**

Make your first new peer group at college, one committed to performing well and enjoying the experience. Increase self-confidence through team study and activities in basic drill, physical fitness, rappelling, leadership reaction course, first aid, public speaking, and basic marksmanship. Learn fundamental concepts of leadership in the military profession in both classroom and out of class laboratory environments. One hour and a required leadership lab, MSC 101 Lab, plus optional participation in PE 110, Military Principles of Physical Conditioning. Participation in a weekend exercise (once during the semester) is optional, but highly encouraged. Fall.

#### **MSC 102. Introduction to Leadership**

**2 credits**

Learn and apply principles of effective leading. Reinforce self-confidence through participation in physically and mentally challenging exercises with upper division ROTC students. Develop communication skills to improve individual performance and group interaction. Relate organizational ethical values to the effectiveness of a leader. One hour and a required leadership lab, MSC 102 Lab, plus optional participation in PE 110, Military Principles of Physical Conditioning. Participation in a weekend exercise (once during the semester) is optional, but highly encouraged. Prerequisite: MSC 101 preferred. Spring.

#### **MSC 201. Self/Team Development**

**2 credits**

Learn and apply ethics-based leadership skills that develop individual abilities and contribute to the building of effective teams. Develop skills in oral presentations, writing concisely, planning of events, coordination of group efforts, advanced first aid, land navigation, and basic military tactics. Learn fundamentals of the ROTC Leadership Development Program. One hour and a required leadership lab, MSC 201 Lab, plus optional participation in PE 110, Military Principles of Physical Conditioning. Participation in a weekend exercise is optional, but highly encouraged. Prerequisite: MSC 101 and 102 preferred. Fall.

#### **MSC 202. Individual/Team Military Tactics**

**2 credits**

Introduction to individual and team aspects of military tactics in small unit operations. Includes use of radio communications, making safety assessments, movement techniques, planning for team safety, security, and methods of pre-execution checks. Practical exercises with upper division ROTC students. Learn techniques for training others as an aspect of continued leadership development. One hour and a required leadership lab, MSC 202 Lab plus optional participation in PE 110, Military Principles of Physical Conditioning. Participation in a weekend exercise is optional, but highly encouraged. Prerequisite: MSC 101, 102, 201 preferred. Spring.

#### **MSC 101 Lab, 102 Lab, 201 Lab and 202 Lab. Leadership Laboratory**

Open only to (and required of) students in the associated Military Science course. Practical application with different roles for students at different levels in the program. Learn and practice basic skills. Gain insight into the Advanced Course in order to make an informed decision about whether to apply for contracting. Build self-confidence and team-building leadership skills that can be applied throughout life.

### **Cadet Initial Entry Training (CIET)**

A four-week summer camp conducted at Fort Knox, Kentucky. The student receives pay while attending this course, in addition to being reimbursed for all travel, lodging, and meal costs. The environment is rigorous, and is similar to Army Basic Combat Training. No military obligation is incurred by participating. Open only to students who have not taken all four of MSC 101, 102, 201, and 202 and who pass a physical examination (paid for by ROTC). Completion of the CIET qualifies a student for entry into the Advanced Course. Between five and seven different cycles are offered during the summer. Students also may compete for two-year scholarships, which they receive upon admission to the Advanced Course.

### **Advanced Course**

The Advanced Course consists of the courses MSC 301, 302, 401, 402 and an approved Military History Course. It is open only to students who have completed the Basic Course or earned placement credit for it (various methods). The

Advanced Course is designed to qualify a student for commission as an officer in the United States Army. Students must complete MSC 301 through 402 and the four-week Cadet Leader Course (CLC) during the summer, usually between the junior and senior years. The courses must be taken in sequence unless otherwise approved by the Professor of Military Science. Contracted students enrolled in MSC 301/302 receive a tax-free subsistence allowance of \$450/month during the academic year. Contracted students enrolled in MSC 401/402 receive a subsistence allowance of \$500/month during the academic year.

**MSC 301. Leading Small Organizations I**

**3 credits**

Equivalent credit may be granted by the WVU Director of Admissions and Records and the Professor of Military Science on the basis of prior military service, or ROTC training other than courses in military science taken at WVU. Series of practical opportunities to lead small groups, receive personal assessments and encouragement, and lead again in situations of increasing complexity. Uses small unit defensive tactics and opportunities to plan and conduct training for lower division students both to develop such skills and as vehicles for practicing leading. Three hours and a required leadership lab, MSC 301 Lab, plus required participation in PE 110, Military Principles of Physical Conditioning. Participation in one weekend exercise is also required. Prerequisite: Basic course or equivalent. Fall.

**MSC 302. Leading Small Organizations II**

**3 credits**

Continues methodology of MSC 301. Analyze tasks; prepare written or oral guidance for team members to accomplish tasks. Delegate tasks and supervise. Plan for and adapt to the unexpected in organizations under stress. Examine and apply lessons from leadership case studies. Examine importance of ethical decision-making in setting a positive climate that enhances team performance. Three hours and a required leadership lab, MSC 302 Lab, plus required participation in PE 110, Military Principles of Physical Conditioning. Participation in one weekend exercise is required. Prerequisite: MSC 301 or consent. Spring.

**MSC 401. Leadership Seminar I**

**3 credits**

MSC 401 prepares you to lead soldiers in today's Army as a Platoon Leader. Areas of concentration include: tactical skills, operational planning, writing military orders and correspondence, briefing preparation and presentation. Preparation and study outside class is essential to your success in the classroom and in your ability to lead the cadet battalion. MSC 401 will be a combination of lecture, discussion, and practical exercise. Three hours and a required leadership lab, MSC 401 Lab, plus required participation in PE 110, Military Principles of Physical Conditioning. Participation in one weekend exercise is required. Prerequisite: MSC 302 or consent. Fall.

**MSC 402. Leadership Seminar II**

**3 credits**

Continues methodology of MSC 401. During MSC 402 you will put into action skills learned during MSC 401. You are required to write operational orders for battalion operations. Additionally, you will be responsible for the planning and execution of battalion training during the spring semester. Preparation and study outside class is essential to your success in the classroom and in your ability to lead the cadet battalion. MSC 402 will be a combination of lecture, discussion, and practical exercise. Three hours and a required leadership lab, MSC 402 Lab, plus required participation in PE 110, Military Principles of Physical Conditioning. Participation in one weekend exercise is required. Prerequisite: MSC 401 or consent. Spring.

## MUSIC

### DEPARTMENT OF FINE ARTS

ANDREW N. HEISEY, M.A., M.F.A., CHAIR

The goals and objectives of the music program are as follows:

- to present and develop tools of musical analysis and production techniques for the student's use in their connection to a wide variety of musical genres;
- to develop within the individual an awareness of self, his or her own culture, and the culture of others;
- to increase each student's aural proficiency and understanding of music as a language;
- to provide opportunities for the mature student to work freely after mastering basic skills so that he or she will feel a degree of responsibility for self-initiated actions before leaving the protective environment of the classroom;

- to develop the student's creativity and search for meaningful repertoires;
- to emphasize that music is a vital life ingredient,
- to present musical presentations which contribute to a highly proficient academic, cultural and spiritual collegiate atmosphere; and
- to prepare students for graduate studies.

Each incoming student, freshman or transfer, who wishes to pursue a degree in Music Ministry or a minor in music will:

- Declare a primary instrument or voice, and receive individual applied studio instruction in that area of expertise for up to eight semesters as their degree program dictates,
- Prepare and present an audition on their major instrument or voice for selected faculty members during the first week of classes, as designated by the director of the music program,
- Complete requirements for the piano proficiency examinations, after completion of two semesters of MUS 115, Applied Music: Class Piano, or the equivalent,
- Maintain membership in good standing in one 'large ensemble' in their area of expertise during each semester of program residency, i.e. Symphonic Band, Chamber Orchestra, or Lamplighters Concert Choir,
- Pursue membership in at least one Chamber Ensemble each semester as schedules allow,
- Attend and perform on studio juries and required recitals as their individual semester schedule demands,
- Attend and staff events coordinated through the Waynesburg University Fine Arts Department, including Music Program events, and
- Complete requirements for their internship experience and senior recital, as arranged collaboratively by the student and department representatives.

Music Ministry majors are asked to review the purposes outlined in the Biblical and Ministry Studies program for further insights to their course of study.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## MUSIC MINISTRY MAJOR

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
BMS	105	3	Introduction to the Old Testament .....	1F
	106	3	Introduction to the New Testament.....	1S
	201	3	Historical Theology .....	2
	202	3	Constructive Theology.....	2
	465	6	Internship .....	4
	—	18	Any six BMS courses .....	2, 3, or 4
	—			
COM	228	3	Business and Professional Speaking .....	2
	ENG	329	Business and Professional Writing.....	3
	—	3	One course to be selected from ENG 358 or 359.....	2, 3, or 4
MUS	108	3	Survey of Music in Worship .....	1 or 2
	112	1-1	Applied Music: Individual Instruction (Piano or Organ) .....	1

MUS	115	1-1	Applied Music: Class Piano.....1
	121	1	Applied Music: Group Instrumental Instructor.....1 or MUS 122, Applied Music: Group Vocal Instruction
	131	3	Music Theory I.....1F or 2F
	132	3	Music Theory II.....1S or 2S
	212	1-1	Applied Music: Individual Instruction (Major Instrument/Voice).....2
	221	1	Applied Music: Group Instrumental Instructor.....2 or MUS 222, Applied Music: Group Vocal Instruction
	231	3	Music Theory III.....2F or 3F
	241	3	Aural Techniques I.....2F or 3F
	242	3	Aural Techniques II.....2S or 3S
	245	3	Introduction to Conducting.....2S or 3S
	301	3	Music History I: Ancient through Baroque.....3F or 4F
	302	3	Music History II: Classical through 20th Century.....3S or 4S
	312	1	Applied Music: Individual Instruction (Major Instrument/Voice).....3
	321	1	Applied Music: Group Instrumental Instructor.....3 or MUS 322, Applied Music: Group Vocal Instruction
	412	1	Applied Music: Individual Instruction (Major Instrument/Voice).....4
	421	1	Applied Music: Group Instrumental Instructor.....4 or MUS 422, Applied Music: Group Vocal Instruction
	499	1	Senior Recital.....4
SLR	106-306	1-3	SLR Mission and Service Trips.....1, 2, 3 or 4
	86-88		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).

Students who complete the Music Ministry degree will contribute more to the facets of church ministry and/or will find greater vocational flexibility when they complete one or more of the following additional ministry skill areas: COM 101, 105, 110 and 337; THE 105, 107, 201, 250 and 305.

## MUSIC MINOR

### Required Courses

Department	Course Number	Credits	Course Title
MUS	—	3	Select one of the following courses: MUS 101, 106, 107, or 108
	112	1-1	Applied Music: Individual Instruction – Piano
	121	1	Applied Music: Group Instrumental Instructor or MUS 122, Applied Music: Group Vocal Instruction
	131	3	Music Theory I
	132	3	Music Theory II
	212	1	Applied Music: Individual Instruction (Major Instrument/Voice)
	221	1	Applied Music: Group Instrumental Instructor or MUS 222, Applied Music: Group Vocal Instruction
	301	3	Music History I: Ancient through Baroque
	302	3	Music History II: Classical through 20th Century
	312	1	Applied Music: Individual Instruction – Piano (Major Instrument/Voice)
	321	1	Applied Music: Group Instrumental Instructor or MUS 322, Applied Music: Group Vocal Instruction
	421	1	Applied Music: Group Instrumental Instructor or MUS 422, Applied Music: Group Vocal Instruction
	23		Credits for this minor.

## MUSIC COURSE OFFERINGS

### **MUS 101. Survey of Music** **3 credits**

This course provides an introductory study of standard concert music. By means of analyses of Western art music works, attendance and response to live performances, and classroom discussions, students will become familiar with a representative repertoire of what is commonly called “classical music.” Students will develop practical and critical techniques for analyzing musical works from the ancient world to the twentieth century.

### **MUS 106. Survey of World Music** **3 credits**

This course provides an introductory study of traditional music from around the globe which is outside the scope of the European art tradition. It is an approach to the study of any music, not only in terms of the music itself but also in its relation to its cultural context; in other words, all music being used by the people of a given area. Spring

### **MUS 107. Survey of American Popular Music** **3 credits**

This course provides an introductory study of music that has shaped mainstream American culture, including folk, blues, jazz, gospel, tejano, salsa, cajun, zydeco, and other popular music genres. This course adopts the American cultures perspective by providing students with the intellectual tools to better understand and appreciate the multicultural complexity of American music. Spring

### **MUS 108. Survey of Music in Worship** **3 credits**

This course examines the history of music in worship from Biblical times to the present. Sacred music is the specific focus of this course, including an in-depth study of sacred art music, and survey information concerning hymnology and spiritual songs. Fall

### **MUS 111. Applied Music: Group Beginner Instruction** **1 credit**

This is an instructional course designed for students with little to no musical experience. Students will meet in small groups and be introduced to vocal/instrumental exercises and techniques, and basic notational reading skills. This course may include sections for beginning voice, guitar, piano, basic musicianship, and jazz improvisation. Students who pass MUS 111 should proceed to MUS 112.

### **MUS 112-212-312-412. Applied Music: Individual Instruction †** **1 credit**

This is individual instrumental instruction and includes lecture, exercises, sight reading, and repertoire. Students choose from specific instruments such as guitar, piano, voice, percussion, brass, woodwinds, double reeds and upright/electric bass. Course level is determined by student skill. Students with little to no experience in music are encouraged to begin with MUS 111. May be repeated for credit. Students are not permitted to take these courses as an audit.

### **MUS 115. Applied Music: Class Piano** **1-1 credit**

This course is offered for Music Ministry majors, Arts Administration (Music Concentration) majors, and Music minors who are beginning their keyboard skills studies. Students will learn and refine the basics of piano technique, as they master basic skills

chosen to maximize keyboard proficiencies. Students will be coached on practice strategies, sight reading, technique, style, accuracy, fluency, and musicianship. This course provides study of keyboard skills that are necessary to lead to further individual

study in applied piano. Students who have declared piano as their major instrument are given the opportunity to test out of this

course and proceed to individual applied piano instruction. Arts Administration (Music concentration) majors, Music Ministry majors, and music minor students are required to complete 2 semesters of this course.

### **MUS 119. Music in the Elementary School** **3 credits**

Exploring music education methods and media for teaching in the elementary grades, including preschool. Involves lectures, demonstrations, discussion and practical application of techniques in creativity, rhythm, singing, and instruments. (This course will be replaced by ECE 106: Creative Arts in Early Childhood Education). Spring

### **MUS 121-221-321-421. Applied Music: Group Instrumental Instruction** **1 credit**

This course covers Symphonic Band and Chamber Works instrumental ensembles, including quartets, quintets and other combinations. Specific instrumentation of ensembles may vary based upon student demand. Interested students should consult the Music Program Director before signing up for Chamber Work ensembles.

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† Indicates a special fee is charged

**MUS 122-222-322-422. Applied Music: Group Vocal Instruction 1 credit**

This course includes the Lamplighters and Chamber Works vocal ensembles, including quartets, quintets and other combinations. Specific combinations of vocalists may vary based upon student demand. Interested students should consult the Music Program Director before signing up for Chamber Work ensembles.

**MUS 131. Music Theory I 3 credits**

The intent of this course is to evaluate each student's entry level of competency in basic music theory and to provide ample opportunities for each student's growth in the areas of musical reading and composition. This first semester covers music fundamentals including elements of pitch and rhythm, and an introduction to diatonic chords and basic part writing. Fall

**MUS 132. Music Theory II 3 credits**

This second semester study of music theory continues with part writing using non-chord tones and diatonic seventh chords. This detailed study of the written forms of music, including the notational and compositional techniques of tonal harmony, will increase each student's aural proficiency and understanding of music as a language. Prerequisite: MUS 131. Spring

**MUS 231. Music Theory III 3 credits**

This course is a continued study of the written forms of music in the tonal harmony tradition. This course begins with the use of chromaticism and further elements of harmonic vocabulary. It also introduces the techniques used in the tonal harmony of the late nineteenth century and modern compositional techniques of the twentieth century. Prerequisite: MUS 132. (Offered when interest is expressed and departmental resources permit.)

**MUS 241. Aural Techniques I 3 credits**

The principle objective of this course is to acquire the skill of sight singing (the ability to sing a given melody accurately at first sight). Class meetings will cover the following skill areas: interval recognition and intervallic relationships, solmization, use of Kodaly hand signals, sight singing, and beginning tonal dictation. Students will demonstrate proficiency at the end of the semester by sight singing unfamiliar musical excerpts, identifying melodic and harmonic intervals, mastering Kodaly hand signals, and taking beginning tonal dictations. (Fall of odd numbered years)

**MUS 242. Aural Techniques II 3 credits**

The principle objective of this course is to continue to improve the skill of sight singing, interval recognition and dictation abilities. Class meetings will cover the following skill areas: intervals recognition, use of Kodaly hand signals, sight singing, and tonal and rhythmic dictation. Pre-requisite: MUS 241. (Spring of even numbered years)

**MUS 245. Introduction to Conducting 3 credits**

This course provides an overview of basic conducting techniques. Emphasis is placed on fundamental beat patterns and non-verbal communication. Basics of score preparation and rehearsal techniques will also be included. Repertoire for a variety of instrumental and vocal ensembles will be addressed. Prerequisite: MUS 131-132, or 241-242. (Spring of odd numbered years)

**MUS 301. Music History I: Ancient through Baroque 3 credits**

This is an in-depth study of music from the European art tradition. The intent is to bring the student in contact with an understanding of western musical styles from Antiquity through 1750, to present tools of analysis and possibilities for student use of those tools in their consideration of musical styles, to create powerful listening skills for the music major or minor. (Fall of even numbered years)

**MUS 302. Music History II: Classical through 20th Century 3 credits**

This is an in-depth study of music from the European art tradition. The intent is to bring the student in contact with an understanding of western musical styles from 1750 to present day, to present tools of analysis and possibilities for student use of those tools in their consideration of musical styles, to create powerful listening skills for the music major or minor. (Spring of odd numbered years)

**MUS 195, 295, 395, 495. Special Topics 3 credits****MUS 499. Senior Recital 1 credit**

A capstone experience in which the senior student majoring in either Music Ministry or Arts Administration (Music Concentration) will prepare a recital of his or her best work completed while a student at Waynesburg University. The completion of four semesters in the lower division applied individual studio instruction classes is required for enrollment in Senior Recital. In addition, each applicant must be approved by the faculty hearing his/her performance examination at the end of the fourth semester, and also by his/her private instructor before being allowed to register for

study at the junior or senior level. Bachelor of Arts majors must earn a grade of B or better to pass. Prerequisite: Consent of applied studio instructor and department chair. Co-requisite: Enrollment in upper level private instruction in pertinent studio.

# NURSING

## DEPARTMENT OF NURSING

KATHY A. STOLFER, ED.D., R.N., C.N.E., CHAIR AND DIRECTOR OF THE BSN PROGRAM

*For information on the University's accelerated health programs (i.e., B.S.N. for the RN/BSN student, M.S.N., D.N.P.), see page 337.*

Waynesburg University offers the Bachelor of Science in Nursing (BSN) degree. The program is approved by the Pennsylvania State Board of Nursing and is accredited by the Commission on Collegiate Nursing Education (CCNE).

Nursing education at the baccalaureate level prepares a generalist who is capable of providing ethical and scientific care-giving with multi-cultural patients, experiencing diverse health concerns, in a variety of health care settings. The undergraduate nursing program offers a curriculum sequence for students wishing to pursue a career in professional nursing (Basic BSN Student). Additionally, curriculum sequences are provided for the Licensed Practical Nurse (LPN to BSN Student), the RN seeking a BSN degree (see page 337), and the individual with a degree who is interested in obtaining a BSN as a second degree.

### BASIC BSN STUDENT

#### Program Description

It is recommended that students interested in pursuing a BSN degree successfully complete, as a part of their secondary school education, a minimum of 4 units of English, 3 units of social studies, 2 units of mathematics, including algebra, and 2 units of science with related laboratories.

Students interested in a career in professional nursing may complete the course requirements for a baccalaureate degree in four academic years. Students admitted to the University enter the freshman year as "Exploring Nursing" students and are admitted as sophomores into the Department of Nursing as nursing majors when all prerequisites have been met.

First year students should follow the recommended sequence of required courses for the nursing major. Each student desiring a nursing career is assigned an academic advisor, who is a member of the nursing faculty, for guidance and consultation regarding academic progression.

#### Transfer Credit

1. Transfer credit is granted in a manner consistent with University policy. Each course is individually reviewed by the Registrar, the Director of the Nursing Program, and/or members of related University disciplines for judgment concerning transfer of credits. When transfer credit is evaluated, only those courses which fulfill degree requirements for the BSN degree will apply. Other credits may transfer to the University, but they will not be applied to the nursing curriculum.
2. College credit and/or advanced placement is granted if a student successfully passes the Advanced Placement Tests of the College Entrance Level Examination Program (CLEP), in accordance with University policy.
3. For some courses, departmental examinations for credit have been prepared to validate prior learning.
4. In some cases, other mechanisms to validate prior learning and to receive credit may be used.

#### Admission to the Department of Nursing: NURSING MAJOR, BSN STUDENT

1. Achievement of at least a minimum grade point average (GPA) of 3.30 (on a scale of 4.00) in the nursing major by the end of the second semester of the "Exploring Nursing" year.
2. Completion of 24 credits of required courses in the nursing major with a grade of C or higher in all courses.
3. Completion of anatomy and physiology with a grade of C or higher during the freshman year.
4. Completion of clinical requirements and criminal clearance background checks by June 15th.



The Test of English as a Foreign Language Internet Based Test (TOEFL iBT) is an exam designed to measure English language proficiency among non-native English speakers in academic settings. The Department of Nursing at Waynesburg University has adopted designated TOEFL iBT scores as a component of the admission requirements for non-native English speakers who apply to the baccalaureate nursing program. The TOEFL iBT must be taken within two years prior to being considered for admission to the Department of Nursing. The following results are required for each area of the TOEFL iBT as an admission requirement:

Total Score	Reading Score	Listening Score	Speaking Score	Writing Score
84	17	17	26	24

All nursing students should be aware that satisfactory completion of the professional nursing program does not automatically entitle a student to apply for registered nurse licensure or to take the licensing exam. The Pennsylvania State Board of Nursing shall not issue a license of certificate to an applicant who has been:

1. convicted \*(1) of a felonious act prohibited by the act of April 14, 1972 (P.L. 233, No. 64), known as the “The Controlled Substance, Drug, Device and Cosmetic Act”; or
2. convicted \*(2) of a felony relating to a controlled substance in a court of law of the United States of any other state, territory or country unless:
  - A. at least ten years have elapsed from the date of conviction;
  - B. the applicant satisfactorily demonstrates to the Board significant progress in personal rehabilitation since the conviction such that licensure should not create a substantial risk or further violations; and
  - C. the applicant otherwise satisfies the qualifications contained in this act.

\* A person convicted of any felonious act may be prohibited from licensure by the Board of Nursing at any time.

### **Act 33-34 Clearance (CRIMINAL RECORD CHECK)**

It is the responsibility of the student to obtain criminal clearances.

Transfer students wishing to apply for admission to nursing in a given year should do so by June 1st of the academic year in which they wish to enroll.

If a student fails to meet the requirements for admission, he or she may appeal the decision to the Department of Nursing Admission and Progression Committee. This appeal must be in writing. Note: The availability of educational and clinical resources influences the number of students admitted each year to the nursing program.

### **Progression Policy – Nursing Majors**

Students must maintain a cumulative GPA of 3.00 or higher in the nursing major (on a 4.00 scale) in order to progress to the junior year (third level) and senior year (fourth level) of the nursing program. Admission and progression GPAs are not rounded. Students must satisfy all clinical prerequisites prior to enrollment in clinical courses.

All required courses in the nursing major must be completed with a grade of C (2.00) or higher and students may repeat only one nursing course. Students may repeat any one nursing course only once. All required courses in general education must be completed with a grade of C or higher and students may repeat any two general education courses only once. Additional nursing major course grades and general education course grades of C- or below (1.70 or lower on a 4.00 scale) will result in dismissal from the nursing program. Students can withdrawal from only two required nursing courses in the nursing major. A student cannot repeat any course the student has already completed and passed with a grade of C or above.

All courses in the first and second years of the nursing curriculum must be completed before progression to the third year. All courses in the third year of the nursing curriculum must be completed before progression to the fourth year.

If a student fails to meet nursing requirements for progression, he/she may appeal the decision to the Department of Nursing Admission and Progression Committee. This appeal must be in writing.

**ATI Testing**

At the end of NUR 202, 322, 325, 402, 415, 416, and 426, students will take the proctored version of the ATI exam specific to each course. Please see individual course syllabi for specific information related to ATI exams.

**Math Competency Test**

Students in clinical courses at the junior and senior levels will take a medication competency test the first week of the semester. Please see the BSN Program Guide and individual course syllabi for additional information.

**Withdrawal (Voluntary) – Nursing Majors**

Students wishing to withdraw voluntarily from the program or seeking a leave of absence must make an appointment to discuss the matter with the Director of the Nursing Program, and then write a letter verifying the resignation. Students also must follow University policy regarding withdrawal from the University. Non-attendance does not constitute official withdrawal from the program. The date of receipt of the letter becomes the official date of resignation from the program.

**Dismissal Policy – Nursing Majors**

All required courses in the nursing major must be completed with a grade of C (2.00) or higher and students may repeat only one nursing course. Students may repeat any one nursing course only once. All required courses in general education must be completed with a grade of C or higher and students may repeat any two general education courses only once. Additional nursing major course grades and general education course grades of C- or below (1.70 or lower on a 4.00 scale) will result in dismissal from the nursing program. Additionally, if the faculty finds that a student does not meet standards considered necessary for successful performance as a professional nurse, the student will be dismissed. These standards include, but are not limited to, level of achievement, health, and personal conduct.

**Reinstatement – Nursing Majors**

Students who withdraw from the nursing program must apply for readmission in a manner consistent with University policy. Additionally, students who have been admitted to the nursing program and then withdraw from the program must apply for reinstatement in writing to the Department of Nursing. A student applying for reinstatement must be in good academic standing with a cumulative GPA of 3.00 or higher (on a 4.00 scale) in order to be eligible for reinstatement. A student who has stepped out of the nursing program for one or more semesters will be required to take a course to validate maintenance of prior learning to ensure safe standards of care.

**Graduation Requirements – Nursing Majors**

Nursing students are eligible for graduation with a Bachelor of Science in Nursing degree upon completion of all nursing and University requirements and successful completion of 125 credit hours within seven years of initial program enrollment.

**Expenses – Nursing Majors**

Additional costs by students will include uniforms, books, required health examinations, diagnostic tests, immunizations, costs related to clinical requirements, including first-aid, CPR certification, liability insurance, transportation costs to and from clinical agencies, and criminal clearance fees. Additionally, there are costs associated with required standardized testing, requirements for licensure and a licensure review course, simulation, and clinical laboratory fees as established by the University.

Nursing courses may not be taken without admission into the Department of Nursing except in special circumstances with the permission of the Director of the BSN Program and the faculty member teaching the course. For a more complete description of all policies and procedures in the Department of Nursing, please refer to the current BSN Program Guide.

*Under “Recommended Sequence” below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## NURSING MAJOR (125 CREDIT HOURS)

**Required Courses**

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
BIO	215	4	Microbiology .....	2F

MAT	215	3	Applied Statistics I .....	3
NUR	105	2	Orientation to Professional Nursing .....	1
			(This course satisfies LSK 101 requirement)	
	201	3	Fundamentals of Nursing .....	2F
	202	3	Fundamentals of Nursing.....	2S
	206	3	Pharmacology .....	2S
	207	3	Pathophysiological Foundations for Nursing Care .....	2F
	209	3	Scholarship for Evidence-Based Practice .....	2S
	225	1	Issues in Aging .....	2F
	228	1	Health Care Policy, Finance and Regulatory Environment.....	2S
	305	3	Physical Assessment of the Adult .....	3F
	321	9	Nursing Care of the Adult Patient with Chronic Illness .....	3F
	322	8	Nursing Care of the Adult Patient with Acute Illness .....	3S
	325	4	Psychiatric-Mental Health Nursing .....	3S
	401	1	Advanced Critical Thinking I .....	4F
	402	1	Advanced Critical Thinking II .....	4S
	408	1	Professional Issues in Nursing .....	4S
	415	5	Nursing Care of the Childbearing Family .....	4
	416	5	Nursing Care of the Childrearing Family .....	4
	419	4	Clinical Prevention and Population Health .....	4
			(This course satisfies SLR 105)	
	425	3	Advanced Scholarship for Evidence-Based Practice .....	4F
	426	7	Leadership in Professional Nursing Practice .....	4
PSY	107	3	Human Development: A Life Span Perspective .....	2
<b>Required Courses which Meet General Education Requirements</b>				
	—	3	Any Art, Music, or Theatre course .....	2
BIO	206	4	Human Anatomy .....	1F
	207	4	Human Physiology .....	1S
BMS	105	3	Introduction to the Old Testament .....	2
			or BMS 106, Introduction to the New Testament	
CSC	105	3	Introduction to Computer Science .....	1
			or BDA 105, Business Systems Applications	
			or COM 126, Principles of Design	
COM	228	3	Business and Professional Speaking .....	3
ENG	101	3	College Composition I .....	1
			or ENG 187, Honors College Composition I	
	102	3	College Composition II .....	1
			or ENG 185, Introduction to Literary Studies	
			or ENG 188, Honors College Composition II	
	—	3	Any Literature course .....	3
HIS	—	3	Any History course .....	1
MAT	106	3	Beginning Algebra .....	1
			(Or any elective if Math Placement scores are sufficient)	
PHL	205	3	Ethics .....	3
			or PHL 216, Health Care Ethics	
PSY	105	3	Introduction to Psychology .....	1
SOC	105	3	Principles of Sociology .....	1
			or SOC 106, Societies	
WBE	108	1	Fiat Lux .....	1
		125	Credits for this degree	

## NURSING COURSE OFFERINGS

**NUR 105. Orientation to Professional Nursing** **1-2 credits**

This course introduces the philosophy and organizational framework of the nursing program. The focus of the course is on “caring” as the core for philosophical and theoretical study, practice, and research in nursing. Open to non-nursing majors by Consent of department chair. This course satisfies the life skills requirement in the General Education curriculum (see pages 63-64).

**NUR 201-202. Fundamentals of Nursing †** **3-3 credits**

The focus of the course is on the individual and family experiencing wellness on the health continuum. Students begin to explore the concept of community. NUR 201 and NUR 202 are sequential courses, and each course includes one hour of class and 6 hours of supervised campus lab/clinical experience each week. Prerequisite: Admission to the Department of Nursing. NUR 201 is a prerequisite for NUR 202. Fall-Spring

**NUR 206. Pharmacology** **3 credits**

This course provides the opportunity to develop an understanding of pharmacology as it relates to patient care. It includes the study of the principles of pharmacology, drug classifications, drug actions, drug side effects, and common drugs used in drug therapy. Open to non-nursing majors by consent of the department chair. Spring

**NUR 207. Pathophysiological Foundations for Nursing Care** **3 credits**

This course is designed to introduce students to the pathophysiology of disease upon completion of normal anatomy and physiology. This course is a prerequisite to the junior year of the nursing program. Prerequisites: BIO 206 and BIO 207. Fall

**NUR 209. Scholarship for Evidence-Based Practice** **3 credits**

This course introduces the sophomore level student to basic terms, concepts, and skills associated with evidence-based practice (EBP) and informatics. Units of content include: description of EBP, introduction to research terminology, the conduct of on-line searches, models of EBP, beginning information related to the Institutional Review Board, basic evidence appraisal skills, the formulation of clinical questions, and application of EBP findings to clinical situations. Spring

**NUR 225. Issues in Aging** **1 credit**

This course focuses on current issues in aging to promote competence in caring for the older adult in accordance with established standards for Gerontological nursing practice. Fall

**NUR 228. Health Care Policy, Finance and Regulatory Environment** **1 credit**

This course addresses important considerations in professional nursing practice in relation to health care policies that directly and indirectly influence the health care system and impact quality and safety in the practice environment. Students will explore the role of professional responsibility in the political process as well as the role of advocacy for the promotion of social justice. Spring

**NUR 297. Nursing Theory/Practice Tutorial** **1-9 credits**

This course is designed to allow students who have stepped out of the nursing program and are returning to validate maintenance of prior theory and/or clinical practice. This course does not meet any requirements for the BSN degree but must be passed to progress in the nursing program. The number of credits taken varies with the number of theory and clinical hours contracted. A special fee may be charged. (Offered when interest is expressed and departmental resources permit.)

**NUR 305. Physical Assessment of the Adult** **3 credits**

This course focuses on acquiring the knowledge and skills necessary to complete a physical assessment of an adult patient. The course consists of two and one-half hours of class and one and one-half hours of campus lab. Prerequisite: Satisfactory completion of all sophomore level program requirements. Open to non-nursing majors by consent of the department chair and course instructor. Fall

**NUR 321. Nursing Care of the Adult Patient with Chronic Illness †** **9 credits**

This course focuses on the underlying pathology and nursing care of adult patients experiencing chronic illness. The course consists of 5 hours of class and 12 hours of clinical experience each week. Prerequisites: Satisfactory completion of all freshman and sophomore level program requirements. NUR 321 is a prerequisite for NUR 322. Fall

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† Indicates a special fee is charged

**NUR 322. Nursing Care of the Adult Patient with Acute Illness † 8 credits**

This course focuses on the underlying pathology and nursing care of adult patients experiencing acute, complex, life-threatening illness. The course consists of four and one-half hours of class, one and one-half hours of campus lab, and 9 hours of clinical experience each week. Prerequisite: NUR 321. Spring

**NUR 325. Psychiatric-Mental Health Nursing 4 credits**

This course focuses on the nursing care of patients experiencing mental illness. The course consists of two and one-half hours of class and four and one-half hours of clinical experience each week. Prerequisites: Satisfactory completion of all freshman and sophomore level program requirements. Spring

**NUR 397. Nursing theory/Practice Tutorial 1-9 credits**

This course is designed to allow students who have stepped out of the nursing program and are returning to validate maintenance of prior theory and/or clinical practice. This course does not meet any requirements for the BSN degree but must be passed to progress in the nursing program. The number of credits taken varies with the number of theory and clinical hours contracted. A special fee may be charged. (Offered when interest is expressed and departmental resources permit.)

**NUR 401-402. Advanced Critical Thinking Concepts 1-1 credits**

This sequential course focuses on the study of advanced critical thinking concepts in relation to the adult patient. NUR 401 is a prerequisite for NUR 402. Prerequisites: Satisfactory completion of all junior level program requirements. Fall-Spring

**NUR 408. Professional Issues in Nursing 1 credit**

This course examines professional issues in nursing that will facilitate the nursing seniors' transition from student to graduate nurse. Prerequisites: Satisfactory completion of all junior level program requirements. Spring

**NUR 415. Nursing Care of the Childbearing Family † 5 credits**

This course focuses on the nursing care of the childbearing family experiencing wellness and acute and chronic illness. The course includes two and three-quarter hours of class, three-quarters of an hour of campus lab, and six hours of clinical experience each week. Prerequisites: Satisfactory completion of all junior level program requirements.

**NUR 416. Nursing Care of the Childrearing Family 5 credits**

This course focuses on the nursing care of the childrearing family experiencing wellness and acute and chronic illness. The course includes two and three-quarter hours of class, three-quarters of an hour of campus lab, and six hours of clinical experience each week. Prerequisites: Satisfactory completion of all junior level program requirements.

**NUR 419. Clinical Prevention and Population Health † 4 credits**

This course examines population health and clinical prevention. Health promotion, disease, and injury prevention are applied using clinical reasoning and judgment to improve the health of groups, communities and populations and to prepare for and minimize the health consequences of emergencies and mass casualty disasters. This course meets the requirements for SLR 105. It consists of one and a half hours of theory, one and a half hours of campus lab, and six hours of clinical experience each week.

**NUR 425. Advanced Scholarship for Evidence-Based Practice 3 credits**

This course focuses on the development of the nursing scholarship colleague role. Satisfactory completion of Scholarship for Evidence-Based Practice and all Junior level program requirements. Fall

**NUR 426. Leadership in Professional Nursing Practice 7 credits**

This course examines leadership, quality, safety, and informatics as components of professional nursing practice. The course consists of four hours of class and nine hours of clinical per week. Prerequisites: Satisfactory completion of all junior level program requirements.

**NUR 475. Advanced Faith and Learning Integration 3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

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† Indicates a special fee is charged

## LPN TO BSN STUDENT

### Program Description

Licensed Practical Nurse students (LPN to BSN) who have graduated from state approved practical nursing programs may enter as first-year students on either a full-time or part-time basis while completing the general education requirements. Applicants must submit a formal application of admission to the University and must fulfill all stated admission requirements. In addition, the applicant must have a personal interview in the Department of Nursing and submit the following to the Director of the BSN Program:

1. an official transcript from a state approved, practical nurse program,
2. evidence of current practical nurse licensure,
3. a transcript of any academic credits earned from institutions of higher education, and
4. standardized test results including NLN Examinations taken at other institutions. Results are good for one (1) year.

Advanced placement may be obtained by transfer credit and credit by examination in accordance with University policy. Credit by examination is granted through CLEP, departmental examinations, and/or standardized National League for Nursing Tests or their equivalent. It is recognized that LPN to BSN students possess certain requisite knowledge and skills, and opportunities are provided to validate prior learning in Pathophysiology, Anatomy, Physiology, Microbiology, Fundamentals of Nursing, Issues in Aging, and Human Development. Efforts are made to facilitate the student's progression through the program in the most efficient, economical, effective, and equitable ways. It is possible for the LPN to BSN student to complete the program in a minimum of six semesters pending timely and successful completion of credits by examination and required course work.

Students who are admitted to the University enter as first-year students and are admitted into the Department of Nursing as nursing majors when all prerequisites have been met, prior to entering the third year (junior year) of the nursing curriculum. The LPN to BSN students must meet the same requirements for admission, progression, withdrawal, dismissal, reinstatement, and graduation as the Basic BSN student. Please refer to the Basic BSN Student section of the catalog (TOEFL iBT scores and criminal record checks), the current BSN Program Guide and the LPN to BSN Informational Packet.

### Suggested LPN to BSN Sequence

The LPN to BSN student will be held to the same admission and progression requirements as the Basic BSN student. Therefore, all prerequisites must be met prior to entering the third year (junior level) of the nursing curriculum. Pending successful completion of credits by examination, it is possible to complete the program in six semesters.

### Suggested Credit by Examination and/or Transfer (24 credits):

In addition to courses which are transferred or for which CLEP credit has been earned, the LPN to BSN student will be provided the opportunity to validate prior learning and earn credit by examination in the following courses: Biology 206, 207, 215; Nursing 201-202, 207, and 225 (NLN examinations or equivalents); and Psychology 107. Students need to schedule NLN testing in collaboration with the Department Chair.

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
NUR	105	2	Orientation to Professional Nursing .....	1
			(This course satisfies LSK 101 requirement)	
	206	3	Pharmacology .....	2S
	209	3	Scholarship for Evidence-Based Practice .....	2S
	228	1	Health Care Policy, Finance and Regulatory Environment.....	2S
	297	1	Nursing Theory/Practice Tutorial .....	1F
	297	1	Nursing Theory/Practice Tutorial .....	2S

NUR	305	3	Physical Assessment of the Adult .....	3F
	321	9	Nursing Care of the Adult Patient with Chronic Illness .....	3F
	322	8	Nursing Care of the Adult Patient with Acute Illness .....	3S
	325	4	Psychiatric-Mental Health Nursing .....	3S
	401	1	Critical Thinking I .....	4F
	402	1	Critical Thinking II .....	4S
	408	1	Professional Issues in Nursing .....	4S
	415	5	Nursing Care of the Childbearing Family .....	4
	416	5	Nursing Care of the Childrearing Family .....	4
	419	4	Clinical Prevention and Population Health .....	4
	425	3	Advanced Scholarship for Evidence-Based Practice .....	4F
	426	7	Leadership in Professional Nursing Practice .....	4

#### **Required Courses which Meet General Education Requirements**

	—	3	Any Art, Music, or Theatre course .....	1
BMS	105	3	Introduction to the Old Testament .....	2
			or BMS 106, Introduction to the New Testament	
CSC	105	3	Introduction to Computer Science .....	1
			or BDA 105, Business Systems Applications	
ENG	101	3	College Composition I .....	1
			or ENG 187, Honors College Composition I	
	102	3	College Composition II .....	1
			or ENG 185, Introduction to Literary Studies	
			or ENG 188, Honors College Composition II	
COM	228	3	Business and Professional Speaking .....	3
ENG	—	3	Any Literature course .....	3
HIS	—	3	Any History course .....	1
MAT	106	3	Beginning Algebra .....	1
			(Or any elective if Math Placement scores are sufficient)	
	215	3	Applied Statistics I .....	3
PHL	205	3	Ethics .....	3
			or PHL 216, Health Care Ethics	
PSY	105	3	Introduction to Psychology .....	1
SOC	105	3	Principles of Sociology .....	1
			or SOC 106, Societies	
WBE	108	1	Fiat Lux .....	1

### **BSN AS A SECOND-DEGREE PROGRAM**

#### **Program Description**

Individuals with a degree from an accredited college or university may be eligible to enroll in the nursing program to pursue a Bachelor of Science in Nursing (BSN) degree. This program is designed to allow second-degree students to complete degree requirements in 3 semesters and 2 summers. This is a traditional day program with classes meeting two to three times a week during 15-week semesters and daily through the summer sessions.

#### **Admission to the Department of Nursing: Nursing Major, Second-Degree Student**

Applicants who wish to enroll in this program must submit formal application for admission to the University and must fulfill all stated admission requirements, including those listed under the Basic BSN Student section (TOEFL iBT scores and criminal record checks) of the catalog. The applicants must have a personal interview in the Department of Nursing, and submit the following to the Director of the BSN Program:

1. an official transcript indicating a bachelor's degree from an accredited institution of higher education with a cumulative GPA of 3.00 (on a scale of 4.00),
2. a one-page essay addressing why you want to become a nurse, and
3. completion of the following prerequisites with a grade of C or higher for BIO 206, 207 and PSY 107 prior to entering the nursing program.

**Prerequisites**

BIO 206, Human Anatomy	4 credits
BIO 207, Human Physiology	4 credits
PSY 107, Human Development: A Life Span Perspective	3 credits
Total	11 credits

Selection will be dependent upon a number of criteria including grade point average, area of study/major, background, and quality of submitted letter.

**Progression Policy**

Students must maintain a cumulative GPA of 3.00 or higher in the nursing major (on a 4.00 scale) in order to progress to the junior year (third level) and senior year (fourth level) of the nursing program. Students must satisfy all clinical prerequisites prior to enrollment in clinical courses.

All required courses in the nursing major must be completed with a grade of C (2.00) or higher and students may repeat only one nursing course. Students may repeat any one nursing course only once. All required courses in general education must be completed with a grade of C or higher and students may repeat any two general education courses only once. Additional nursing course grades and general education course grades of C- or below (1.70 or lower on a 4.00 scale) will result in dismissal from the nursing program.

**Withdrawal**

Same as for the Basic BSN student

**Dismissal**

See progression policy. Additionally, if the faculty finds that a student does not meet standards necessary for successful performance as a professional nurse, the student will be dismissed. These standards include, but are not limited to, level of achievement, health, and personal conduct,

**Graduation Requirements**

Same as for the Basic BSN student.

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

**Required Courses**

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
NUR	105	1	Orientation to Professional Nursing .....	1SU
	201*	3	Fundamentals of Nursing I .....	1SU
	202*	3	Fundamentals of Nursing II .....	2SU
	206	3	Pharmacology .....	2SU
	207	3	Pathophysiological Foundations for Nursing Care .....	1SU
	209	3	Scholarship for Evidence-Based Practice .....	1SU
	225	1	Issues in Aging .....	1SU
	228	1	Health Care Policy, Finance and Regulatory Environment.....	1SU
	305	3	Physical Assessment of the Adult .....	3F
	321*	9	Nursing Care of the Adult Patient with Chronic Illness .....	3F
	322*	8	Nursing Care of the Adult Patient with Acute Illness .....	4S
	325*	4	Psychiatric-Mental Health Nursing .....	4S
	401	1	Advanced Critical Thinking .....	5SU
	402	1	Advanced Critical Thinking II .....	6F
	408	1	Professional Issues in Nursing .....	5SU
	415*	5	Nursing Care of the Childbearing Family .....	5SU
	416*	5	Nursing Care of the Childrearing Family .....	5SU
	419*	4	Clinical Prevention and Population Health .....	6F



	425	3	Advanced Scholarship for Evidence-Based Practice .....	6F
	426*	7	Leadership in Professional Nursing Practice .....	6F
MAT	215	3	Applied Statistics I .....	3
PHL	205	3	Ethics .....	3
			or PHL 216, Health Care Ethics	

\* Courses with a clinical component.

## PHARMACEUTICAL SCIENCE

DEPARTMENT OF CHEMISTRY AND FORENSIC SCIENCE

EVONNE A. BALDAUFF, PH.D., CHAIR

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

### PHARMACEUTICAL SCIENCE MAJOR

#### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO	121	4	Principles of Biology I.....	1F
	122	4	Principles of Biology II.....	1S
CHE	107	1	Introduction to Pharmaceutical Science.....	1F
	121	3	General Chemistry I.....	1F
	121L	1	Laboratory for General Chemistry I.....	1F
	206	4	Inorganic Chemistry .....	1S
	206L	1	Laboratory for Inorganic Chemistry .....	1S
	211	4	Organic Chemistry I.....	2S
	212	4	Organic Chemistry II .....	2S
	321	3	Biochemistry I .....	3F or 4F
	321L	1	Biochemistry Lab.....	3F or 4F
	322	3	Biochemistry II .....	3S or 4S
	385	1	Chemistry Seminar I.....	3F
	399	1	Undergraduate Research .....	2, 3, or 4
	415	3	Medicinal Chemistry.....	3S or 4S
	485	1	Chemistry Seminar II.....	4F
	499	1	Capstone Research.....	4
ECO	202	3	Economics of Business .....	2F
MAT	205	4	Functions and Trigonometry .....	1F
	211	4	Calculus I.....	1S
	212	4	Calculus II.....	2F
	215	3	Applied Statistics I.....	2, 3, or 4
PHY	201	4	Introductory Physics I.....	2F
			or PHY 211, General Physics I	
	202	4	Introductory Physics II.....	2S

			or PHY 212, General Physics II
—	—	11-12	Select three courses from the following: BIO 315, Cell and Molecular Biology (4 credits) ..... 3F BIO 406, Genetics (4 credits) ..... 3S or 4S CHE 311, Analytical Chemistry (4 credits) ..... 3F or 4F CHE 312, Instrumental Analysis (5 credits) ..... 3S or 4S CHE 406, Advanced Organic Chemistry (3 credits) ..... 3F or 4F
—	—	10	Select at least ten credits from the following: BIO 206, Human Anatomy (4 credits) ..... 2F or 3F BIO 207, Human Physiology (4 credits) ..... 2S or 3S BIO 215, Microbiology (4 credits) ..... 2 or 3 BIO 316, Immunology (3 credits) ..... 3S or 4S BIO 407, Neurophysiology (3 credits) ..... 3S or 4S CHE 301, Physical Chemistry: ..... 3 or 4 Thermodynamics & Kinetics (4 credits) CHE 327, Advanced Spectroscopy Lab (1 credit) ..... 3S or 4S CHE 399, Undergraduate Research (1-5 credits) ..... 2, 3, or 4 CSC 407, Artificial Intelligence (3 credits; pre-req CSC 117)..... 3 or 4 HSC 206, Pharmacology for the Health Sciences (3 credits).. 2, 3, or 4
		88-92	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).

## PHILOSOPHY

DEPARTMENT OF HUMANITIES

KAREN FISHER YOUNGER, PH.D., CHAIR

The purpose of study in Philosophy at Waynesburg University is to introduce students to the central topics and thinkers of both Western and Eastern traditions. Philosophy proceeds by reflecting on vital questions. Course content reflects on these questions: “Is there some ultimate meaning or purpose to human life? What is the best way to live one’s life? What kind of person should I become? What is a just society? Is there a God? What is God’s nature? Can we know that God exists? If God is all-good and all-powerful, why is there so much suffering? What is the relation between science and religion?” By grappling with questions like these, we invite students to come to terms with what they think and believe about fundamental questions in their lives. In this way, Philosophy advances the mission of the University as committed to the liberal arts in the Christian tradition.

Study in Philosophy serves as an excellent preparation for theological seminary, law school, academia, the upper levels of business management, and any job that requires the critical thinking, reading and writing skills that the discipline of Philosophy demands. Study in this area also serves the Biblical and Ministry Studies major program, specifically in the Philosophy and Religion Option.

As a result of study in Philosophy, our students will be able to:

- think and write philosophically about their world and themselves in relation to God;
- develop habits of critical thinking and argumentation in the discipline of philosophy and in whatever discipline they pursue;
- formulate a philosophy of life within the objectives of a liberal education at a Christian college;
- identify the contribution of philosophy to Christian thought and worldviews; and
- understand and appreciate rival worldviews to various Christian worldviews.

## PHILOSOPHY MINOR

**Required Courses Course**

Department	Number	Credits	Course Title
PHL	105	3	Introduction to Philosophy
	106	3	Logic
	205	3	Ethics
	209	3	Philosophy of Religion
	—	6	Any Philosophy course
	—		or POL 305, Jurisprudence
			or POL 315, Political Theory
			or an approved English literature course
		18	Credits for this minor.

## PHILOSOPHY COURSE OFFERINGS

### **PHL 105. Introduction to Philosophy** **3 credits**

A survey of central philosophical issues and problems. Consideration will be given to such topics as the nature, sources, and validity of knowledge; the relationship of philosophy to science; the nature of the mind and its place in the universe; and the meaning of moral and aesthetic values. A survey of representative schools of philosophy is included.

### **PHL 106. Logic** **3 credits**

A study of the principles of correct reasoning in ordinary language, in deductive logic, and in the inductive methods of science.

### **PHL 107. History of Philosophy** **3 credits**

A study of basic ideas and trends in the history of Western philosophy. Readings from important works of major philosophers from Plato to Hegel. (Offered when interest is expressed and departmental resources permit)

### **PHL 205. Ethics** **3 credits**

A study of moral values, moral reasoning, and ethical choice.

### **PHL 207. Revolution, Evolution and the Unconscious** **3 credits**

A study of key texts in the works of Marx, Darwin, Nietzsche and Freud. Some variations on this course may also include the works of Kierkegaard and William James. The relevance of nineteenth-century thought to our present-day situation will be emphasized.

### **PHL 208. Aesthetics** **3 credits**

A philosophical analysis of art, aesthetic values, and criticism; a study of significant theories of art; and an examination of the relationship of art to truth and morality. (Offered when interest is expressed and departmental resources permit.)

### **PHL 209. Philosophy of Religion (Cross-listed as BMS 209)** **3 credits**

A philosophical reflection on religious experience and conceptions of the divine. Topics to be discussed include: the existence of God, faith and reason, religious language and symbolism, the human condition, and the religious situation in our time. Readings from both classical and contemporary authors. (Offered when interest is expressed and departmental resources permit.)

### **PHL 215. Science and Faith (Cross-listed as BMS 215)** **3 credits**

This course will consider many of the important issues in the relation of science to faith. The central issue will be the implications of Darwinian evolution for faith but will also consider some of the wider implications for faith from this touchstone. For example: Are science and faith compatible? If God is God then why is there such apparent waste and cruelty in nature? Students will develop a coherent theology of nature in response to Darwin's challenge. (Offered when interest is expressed and departmental resources permit.)

### **PHL 216. Health Care Ethics** **3 credits**

This course introduces the student to ethical issues that arise in health care practice. Students will gain an understanding of the various theoretical frameworks employed in analyzing those issues and determine whether certain practices are ethical or unethical.

### **PHL 217. Environmental Ethics (Cross-listed as BIO 217)** **1 credit**

A survey of human perspectives on nature and the environment from a historical perspective. Various philosophers will be studied to explore their ideas on stewardship and environmental ethics. One hour of lecture per week. (Spring of odd numbered years)

### **PHL 195, 295, 395, 495. Special Topics** **3 credits**

Special topics courses for the study of philosophy. Prerequisite: permission of the department chair. (Offered when interest is expressed and departmental resources permit)

**PHL 299. Seminar in Philosophy**

**3 credits**

The reading and discussion of some of the important works of a major philosopher, aiming at a comprehensive grasp of a great philosophical mind. (In recent years: Plato, Kant, Kierkegaard, Nietzsche, Sartre.) Prerequisite: PHL 105 or 107, or permission of the department chair. (Offered when interest is expressed and departmental resources permit.)

## PHYSICS

DEPARTMENT OF MATHEMATICS, COMPUTER SCIENCE, AND PHYSICS

RICHARD A. LEIPOLD, PH.D., CHAIR

### PHYSICS COURSE OFFERINGS

**PHY 105. Basic Physics**

**3 credits**

An algebra-based introductory physics course that covers the subjects of motion, forces, momentum and energy, gravity, and electricity and magnetism. Three hours of lecture each week and one two-hour laboratory component. Prerequisite: MAT 106 or equivalent. Spring

**PHY 115. Introduction to Astronomy and Cosmology**

**4 credits**

A survey in astronomy for non-science majors, covering the study of the solar system, stars, galaxies, origin and evolution of the Universe, and basic theories and methods of modern astronomy. The laboratory component focuses on experiments with computer-based simulations of astronomical phenomena. Three one-hour lectures and one two-hour laboratory per week. Prerequisites: Prior or concurrent enrollment in MAT 106. Fall

**PHY 201-202. Introductory Physics I-II**

**4-4 credits**

A pre-calculus-based introductory physics course sequence, intended for students in the life sciences, that covers the subjects of kinematics, dynamics, statics, fluids, waves, heat, thermodynamics, electricity and magnetism, and optics. Two one-hour lectures, a one-hour recitation, and a two-hour lab period each week. MAT 205 is a prerequisite for PHY 201 and PHY 201 is a prerequisite for PHY 202. Fall-Spring

**PHY 211-212. General Physics I-II**

**4-4 credits**

A calculus-based introductory physics course sequence, intended for students in the physical sciences and engineering, that covers the subjects of motion kinematics, dynamics, electricity and magnetism. Two one-hour lectures, a one-hour recitation, and a two-hour lab period each week. MAT 212 is a Co-requisite for PHY 211 and PHY 211 is a prerequisite for PHY 212. Fall-Spring

**PHY 303. Modern Physics**

**3 credits**

Introduction to relativity and quantum theory, and their applications to atomic, statistical, solid state, nuclear, and particle physics. Three one-hour lectures each week. Prerequisites: PHY 202 and consent of the department chair or PHY 212. (Offered when interest is expressed and departmental resources permit.)

**PHY 305. Electronic Circuits and Instrumentation**

**4 credits**

Introduction to basic principles and techniques of electronics, covering DC and AC circuits, basic electronic components, transducers, linear and non-linear operation of operational amplifiers, logic gates, flip-flops, counters, memory, A/D and D/A conversion. The course is designed primarily for the 3-2 engineering students, to provide them with the required skills in electric circuits. The course is also open to any student with strong skills in basic physics and calculus, interested in a survey course in electronics. The laboratory component of the course involves hands-on experiments with the devices studied and their applications, along with projects that explore their combinations. Three hours of lecture, and one two-hour laboratory period per week. NOTE: This course does not satisfy the general education requirement for natural and physical sciences. Prerequisites: PHY 202, 212 or consent of the department chair. (Fall of even numbered years)

**PHY 312. Instrumental Analysis**

**5 credits**

Theory and practice of modern analytical techniques emphasizing spectrophotometric, chromatographic, and electrochemical methods. Three hours of lecture and two three hour laboratory periods each week. Prerequisite: CHE 311. Spring

**PHY 397. Independent Study****1-3 credits**

Independent study and research into specific topics and problems in physics. Prerequisite: PHY 202 or 212 and consent of the department chair.

**PHY 195, 295, 395. Special Topics****3 credits**

# POLITICAL SCIENCE

DEPARTMENT OF CRIMINAL JUSTICE AND SOCIAL SCIENCES

ADAM E. JACK, M.S., CHAIR

## POLITICAL SCIENCE MINOR

**Required Courses**

Department	Course		Course Title
	Number	Credits	
POL	105	3	American National Government
	106	3	Introduction to Politics
	—	3	Any Political Science course, except POL 465
	—	3	Any Political Science course, except POL 465
	—	3	Any Political Science course, except POL 465
	—	3	Any Political Science course, except POL 465
	—	3	Any Political Science course, except POL 465
		18	Credits for this minor.

## POLITICAL SCIENCE COURSE OFFERINGS

**POL 105. American National Government****3 credits**

An examination of the structure and function of the national government of the United States and of the political forces of the governmental process; including the nature of democracy, constitutional development, the Presidency, the Congress, the judicial system, federalism, intergovernmental relations, and foreign policy.

**POL 106. Introduction to Politics****3 credits**

This course answers the question, “what is politics?” through the study of how politics has been defined and practiced from a variety of perspectives. The emphasis will be on concepts that are central to politics such as power, authority, liberty, obedience, and domination. Spring

**POL 107. Fundamentals of Moral Leadership (Cross-listed as SOC 107)****3 credits**

This course starts by teaching basic leadership skills. The second part of the course looks at a wide variety of successful and moral leaders. Spring

**POL 115. U.S. Constitution – Values and Principles (Cross-listed as HIS 115)****3 credits**

The United States is a creedal nation defined by the Constitution. This course examines the basic values and principles of the Constitution that determine our form of government, outline our rights and responsibilities as citizens, and shape the parameters of our civic discourse and life. Fall

**POL 205. The American Presidency****3 credits**

An analysis of Presidential campaigns and elections, Presidential personality, Presidential power, Constitutional limitations, and Presidential relations with Congress and the executive branch. Prerequisite: POL 105 or 106. (Fall of even numbered years)

**POL 206. American Foreign Policy****3 credits**

An analysis of the principles, bases, and instruments of American foreign policy; the policy-making process; political-military interrelations. Special emphasis will be given to contemporary problems and trends in American foreign policy. Prerequisite: POL 105 or 106 or GEO 105. (Spring of even numbered years)

**POL 207. American Political Thought****3 credits**

A survey of American political theorists from the “founding fathers” to the present. The emphasis is on understanding how their viewpoints have defined the purposes and affected the evolution of the United States government.

Prerequisite: POL 105 or 106. (Spring of odd numbered years)

**POL 208. State and Local Government**

**3 credits**

Consideration is given to the state political systems including the constitutions and structure and the workings of the judicial, legislative, and executive branches. Special attention is given to the role of the governor, the state and the legislative process. The workings of the county and municipal governments and their interactions with the state are studied. Prerequisite: POL 105 or 106. (Fall of even numbered years)

**POL 209. Public Policy Analysis**

**3 credits**

Integration of the formal and informal elements of domestic public policy. Substantive concentration on federal economic policy with a survey of the various political-economic philosophies and their implementation in the United States and the West European democracies. An explanation of the current policy process and projected trends in policy formulation will be provided. Prerequisite: POL 105 or 106. (Spring of even numbered years)

**POL 215. Politics and Ethics**

**3 credits**

Framed around Aristotle's Politics and Nicomachean Ethics, this course examines the major theories of ethical analysis in relationship to the spectrum of political philosophies and their contemporary economic, foreign policy, social policy, and constitutional manifestations. The course also explores the unique contribution of Christian ethicists Reinhold Niebuhr, Peter Paris, John Bennett, H. Richard Niebuhr, Paul Tillich, and Karl Barth, among others, to social and political thought. (Spring of even numbered years)

**POL 216. Statistics for the Social and Behavioral Sciences**

**3 credits**

(Cross listed as HSV 216, PSY 216, and SOC 216)

An introduction to statistical and data analysis techniques for students majoring in the social and behavioral sciences. Topics include descriptive statistics for central tendency, variation and association, fundamentals of probability, sampling distributions, the logic of inference, estimation and hypothesis tests for means and percentages, and an overview of more advanced techniques including the analysis of variance and correlation and regression. Prerequisite: MAT 106. Open to majors in HSV, PSY, SOC, and POL only. Spring.

**POL 217. History and Political Thought Premodern East Asia (Cross-listed as HIS 217)**

**3 credits**

POL 217 will survey the basic narrative of East Asian History (especially that of China and Japan) from the time of the Zhou Dynasty until the seventeenth century A.D. The course will stress extensive primary source readings in translation, particularly from the Confucian, Taoist, Legalist, and Buddhist traditions. (Fall of even numbered years)

**POL 305. Jurisprudence**

**3 credits**

An analysis of the concept of law, its historical development, and its relation to political society; includes consideration of philosophies of law — such as natural law and positivism — and the valuation of law in terms of justice, liberty, and the good society. Recommended for, but not limited to, pre-law students. Prerequisite: POL 105 or 106, or PHL 105. (Offered when interest is expressed and departmental resources permit.)

**POL 306. American Constitutional Law**

**3 credits**

The study of the interpretation of the Constitution by the Supreme Court. The case method is used and various leading decisions of the Supreme Court are analyzed. Prerequisite: POL 105 or 106. (Fall of even numbered years)

**POL 307. The Legislative Process**

**3 credits**

A study of the various processes associated with the legislative system, including representation and the electoral system, internal processes and power structure, external influence on a legislator's behavior, and Congress' involvement in policy-making. Concentration is on the United States Congress, although state and foreign legislatures are used for comparison. Prerequisite: POL 105 or 106. (Fall of odd numbered years)

**POL 309. International Relations**

**3 credits**

A study of the methods and objectives of diplomacy, portraying the forces and ideas molding the actions of statesmen and nations. Detailed consideration is given to the origins and operations of international institutions. Prerequisite: POL 105 or 106. (Spring of odd numbered years)

**POL 315. Political Theory**

**3 credits**

This course presents a critical examination and appraisal of the major schools of political thought from the Greeks through Marx. Students will read and discuss selections from major works such as Plato's The Republic, Machiavelli's The Prince, Locke's Second Treatise of Government, and Marx and Engel's The Communist Manifesto. Prerequisite: POL 105 or 106 or PHL 105. (Fall of odd numbered years)

**POL 316. Comparative Politics****3 credits**

This course examines and compares the political systems of three or more major modern nation-states. This study will include examination of the performance of legislative, executive, and judicial functions, the operations of interest groups and political parties, and the relevance of ideology and political culture to politics. Prerequisite: POL 105 or 106 or GEO 105. (Offered when interest is expressed and departmental resources permit.)

**POL 465. Internship****3-3 credits**

Practical experience in government, social service agencies, or other appropriate public or private agencies. Internships are designed to serve two major purposes: first, to provide an opportunity for study and experience outside the traditional setting of the classroom and laboratory, yet within the framework of disciplined inquiry; and second, to provide a special opportunity for the participants to refine their emerging professional vocational interests. Students may earn three or six credits in one or two semesters, but no more than a total of six credits. May not be used to satisfy the area emphasis requirement. Prerequisites: POL 105 or 106, social science major, the department chair's permission, and junior or senior standing. Graded credit.

**POL 475. Advanced Faith and Learning Integration****3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**POL 487. Honors Course****3-3 credits**

Intensive research in some particular area of political science and the preparation of a research paper under the direction of the instructor; open only to seniors majoring in social science with an emphasis in political science who have a "B" average in political science and with the permission of the departmental chairman and the instructor. (Offered when interest is expressed and departmental resources permit.)

**POL 195, 295, 395, 495. Special Topics in Political Science****3 credits**

An analytic survey of selected topics in political science. Examples of such topics are comparative government of non-European areas (Asia, Latin America, Africa), and civil liberties. Prerequisite: POL 105 or 106. (Offered when interest is expressed and departmental resources permit.)

## PRE-PROFESSIONAL PROGRAMS

For additional information on specific agreements, please contact the advisor or see the website.

### PRE-LAW PROGRAMS

LAWRENCE M. STRATTON, JR., J.D., PH.D., ADVISOR

The path to becoming an attorney is challenging, yet exciting. Students who plan to become attorneys must excel academically and score well on the Law School Admission Test (LSAT). They need to gain admittance to law school and master their legal studies. Finally, to practice law, they need to pass the bar examination.

Law schools seek able, motivated students regardless of their undergraduate major. Students have graduated in a wide variety of majors at Waynesburg and have gone on to law school. What matters most in a student's undergraduate studies is enrolling in challenging courses to develop intellectual skills. Students should learn to read carefully and precisely, to analyze critically, to reason logically, and to write and speak clearly.

To aid the student the University provides a Pre-Law Advisor. The Pre-Law Advisor does not substitute for the major advisor but aims to complement the work of the major advisor. The Pre-Law Advisor advises students regarding course selection with an eye to developing the skills law schools seek. The advisor helps the student prepare for the

LSAT and guides the student through the process of deciding which law schools to apply to for admission, and which once admitted, would be best to attend.

Students considering attending law school should register with the Pre-Law Advisor as early in their college career as possible.

#### **Suggested Major and Courses for Pre-Law Students**

The Pre-Law Committee of the American Bar Association (ABA) Section of Legal Education and Admissions to the Bar, working together with colleges and universities, has suggested that students interested in law school earn an undergraduate degree that challenges them and interests them, while developing their ability to research and write. Specifically, they recommend that students prepare themselves in the areas of:

- Analytic/Problem Solving Skills
- Critical Reading
- Writing Skills
- Oral Communication/Listening Abilities
- General Research Skills
- Task Organization/Management Skills
- Public Service and Promotion of Justice

The Pre-Law Advisor will help students select the specific Waynesburg University courses that will help students to prepare themselves for law school study, including challenging courses in business, communications, criminal justice administration, economics, English, history, mathematics, philosophy, political science, psychology and sociology.

## **PRE-DENTAL, PRE-MEDICAL, PRE-PHARMACY, PRE-VETERINARY PROGRAMS**

**BRYAN R. HAMILTON, PH.D., PROFESSOR OF BIOLOGY**

Because most professional schools now require four years of pre-professional work, the University strongly recommends that a student contemplating the study of medicine, dentistry or veterinary medicine choose a major and work toward a baccalaureate degree.

A student may do major work in any department of the University as long as the student completes the basic science courses required by all of the professional schools: a year of biology or zoology, a year of organic chemistry and a year of physics. Most students interested in this program, however, pursue a Bachelor of Science degree by majoring in either biology or chemistry.

Because professional schools vary somewhat in admissions requirements, a student should become acquainted with the specific requirements of the school of his/her choice and must complete any special courses required in addition to the basic admission requirements.

Prior to applying to any medical school, a student is required to take the Medical College Admission Test (MCAT). This test should be taken during the student's junior year. Information about the MCAT is available through the American Association of Medical Colleges website at: [www.aamc.org](http://www.aamc.org).

Most dental schools require that students take the Dental Admissions Test (DAT). Information about the DAT is available through the American Dental Association website at: [www.ada.org](http://www.ada.org).

Applicants to schools of Veterinary medicine should check each individual institution's admissions requirements to determine which exam is required (VCAT, MCAT or GRE).

The pre-medical and pre-dental programs are under the direction of a Faculty Pre-Health Professions Committee, composed of one faculty member each from biology, chemistry, and physics. The committee makes recommendations for admission to dental and medical schools.

Any student interested in a health professions career should register with the Faculty Pre-Health Professions Committee sometime within the first semester of his or her freshman year. Students deciding on such careers after their freshman year should register with the committee as soon as possible.



## PRE-PHYSICAL THERAPY PROGRAMS

ANDREW S. PALKO, ED.D., DIRECTOR OF GRADUATE PROGRAMS IN ATHLETIC  
TRAINING

Physical Therapy is a fast-growing and highly-competitive field. The pre-physical therapy option of the exercise science major is tailored to serve the pre-professional needs of students looking toward specialization in physical therapy and is designed to fulfill the prerequisites needed for admission into a Doctor of Physical Therapy program. The curriculum provides a strong general liberal arts education with a sound foundation in biological, chemical, physical, and social and health sciences. In addition, 200 hours of practical experience through internship in a variety of clinical settings are required prior to graduation.

## PSYCHOLOGY

DEPARTMENT OF HUMANITIES

KAREN FISHER YOUNGER, PH.D., CHAIR

*For information on the University's graduate program in counseling (i.e., M.A.), see page 312.*

The goals of the psychology program are to:

- equip students with the theoretical perspectives and methodological skills unique to the science of psychology in its view of behavior
- enable students to use these perspectives and skills in developing insight into themselves and others
- prepare students for graduate work in psychology and related fields embracing knowledge of self and others
- prepare students with the psychological skills necessary for related career fields not requiring a graduate degree

The following objectives will be fulfilled through the major in psychology and minor programs in child development, counseling, psychology and self-development. In those academic programs, students will achieve learning outcomes identified by the American Psychological Association. Students in psychology majors and minors will:

- demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology
- understand and apply basic research methods in psychology, including research design, data analysis, and interpretation
- respect and use critical and creative thinking, skeptical inquiry, and when possible, the scientific approach to solve problems related to behavior and mental processes
- understand and apply psychological principles to personal, social, and organizational issues
- value empirical evidence, tolerate ambiguity, act ethically, and reflect other values that are the underpinnings of psychology as a science
- demonstrate information competence and the ability to use computers and other technology for many purposes
- communicate effectively in a variety of formats
- recognize, understand, and respect the complexity of socio-cultural and international diversity

In order to make sure that our students are adequately prepared to fulfill departmental goals, students must meet the following minimum requirements in order to graduate with a degree in psychology:

- obtain a grade of C- or higher in all psychology courses and all non-psychology courses required for the psychology major

- a student may repeat a maximum of two psychology courses or non-psychology courses required for the psychology major, but he/she may repeat the same psychology course or non-psychology course required for the psychology major only one time
- if a student fails to meet the minimum GPA requirements, he/she may submit a written appeal to the psychology professors stating the reasons for the student's failure to meet the minimum requirements for the major. The psychology professors will review the appeal and either: 1) deny the appeal or 2) grant the appeal and allow the student no more than two semesters to meet the minimum requirements. The psychology professors will inform the department chairperson of their decision when the appeal is filed.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## PSYCHOLOGY MAJOR

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
BIO/CHE/ENV FSC/PHY	—	7-8	Two courses to be selected from:.....	2
			BIO 118, 121, 122, 206; CHE 106, 121 and 121L; ENV 117; FSC 106; PHY 105, 201	
PHL	207	3	Revolution, Evolution and the Unconscious .....	2 or 3
PSY	105	3	Introduction to Psychology .....	1F
	106	3	Social Psychology.....	1
	201	3	Developmental Psych: Birth to Twelve Years .....	2
			or PSY 202, Developmental Psych: The Adolescent	
	205	3	Personality .....	2F
	208	3	Psychology as a Profession .....	2F
	216	3	Statistics for the Social and Behavioral Sciences.....	2S
	218	3	Cognitive Psychology .....	2S
	308	3	Abnormal Psychology.....	3S
	309	3	Learning.....	3F
	311	3	Research Methods.....	3F
			or PSY 321, Advanced Research Methods	
	312	3	Experimental Psychology .....	3S
			or PSY 322, Advanced Experimental Psychology	
	315	3	Psychological Measurement and Evaluation.....	3S or 4S
	316	3	Psychobiology.....	3
	406	3	Psychotherapy.....	4
	409	3	History of Psychology .....	4S
	465	6	Psychology Internship.....	4
			or PSY 466, Child Development Internship	
	—	3	Any Psychology course .....	3
SOC	105	3	Principles of Sociology .....	1
		67-68	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## CHILD DEVELOPMENT MINOR

The Child Development minor is recommended for students who wish to work with children or adolescents. This minor will provide an in-depth understanding of normal development from conception through the end of adolescence and will also focus heavily on problems that might impact on the developmental process. Attention will also be given to the educational system and the family, two contexts that have a significant impact on a child's and an adolescent's development.

### Required Courses

Department	Course		Course Title
	Number	Credits	
PSY	105	3	Introduction to Psychology
	201	3	Developmental Psychology: Birth to Twelve Years
	202	3	Developmental Psychology: The Adolescent
	209	3	Introduction to Exceptional Individual: Society, School, and Family or SPE 209, Introduction to Exceptional Individuals
	466	6	Child Development Internship
SOC	306	3	The Family
		21	Credits for this minor.

## COUNSELING MINOR

The counseling minor is designed to supplement the educational needs of students enrolled in any human service discipline. The goals of the counseling minor program are three fold: (1) to develop a student that is service oriented and trained to help needy members of society via a counseling relationship; (2) to provide students with a philosophical view of helping that is based in foundational counseling approaches; (3) to expose students, through experiential study, to counseling models that emphasize cultural competency using a wellness rather than illness based approach. The counseling minor does not license individuals to practice as a licensed counselor or licensed psychologist, but it does prepare students for bachelor level positions in counseling agencies. The program is also designed to prepare students for graduate study in professional counseling.

### Required Courses

Department	Course		Course Title
	Number	Credits	
CNS	105	3	Counseling for the Twenty-first Century
	201	3	Introduction to Addiction Counseling
	202	3	Introduction to Group Counseling
	405	3	Counseling and the Helping Relationship
PSY	105	3	Introduction to Psychology
	107	3	Human Development: A Life Span Perspective
	205	3	Personality
	308	3	Abnormal Psychology
		24	Credits for this minor.

## COUNSELING COURSE OFFERINGS

### CNS 105. Counseling for the Twenty-first Century

**3 credits**

This course introduces student to the current trends in the counseling profession with an emphasis on understanding the philosophy, values, and fundamental theories of counseling practice in contemporary society. Students will explore personal, ethical and professional issues related to agency and school counseling, consider the counseling profession's focus on social justice and cultural diversity, learn core counseling skills, and apply the developmental model of wellness as an alternative to mental illness.

**CNS 201. Introduction to Addiction Counseling****3 credits**

This course presents foundational concepts and current treatment approaches in Addiction Counseling. It is designed for those who are considering a career or advanced studies in counseling or a related field. Topics explored include current models of substance abuse and addiction, including process addictions (e.g., shopping, gambling); drugs and their effects; the dynamics of recovery; effective treatment approaches; and the certification process for addiction counseling professionals. Spring

**CNS 202. Introduction to Group Counseling****3 credits**

This course is an introduction to group process and counseling. Current research trends, theories and techniques of group counseling will be reviewed. Emphasis will be placed on developing group leadership skills and exploring the various counseling and psychotherapeutic approaches used in group counseling. The primary goal of this course is designed to help prepare students for graduate counseling study or bachelors level occupations in the helping professions. Fall

**CNS 405. Counseling and the Helping Relationship****3 credits**

This explores the dynamics of a therapeutic relationship. The course will focus on current and historical philosophical approaches to counseling. Common techniques in counseling are reviewed as they apply to diverse populations. Special counseling situations such as crisis, disaster mental health and trauma will be reviewed. The primary goals of this course are designed to help prepare students for graduate counseling study in a CACREP program, and for entry into bachelor degree level occupations in the helping professions. Pre-requisites: CNS 105 and PSY 105. Spring

## PSYCHOLOGY MINOR

**Required Courses**

Department	Course		Course Title
	Number	Credits	
PSY	105	3	Introduction to Psychology
	205	3	Personality
	218	3	Cognitive Psychology
			or PSY 316, Psychobiology
	—	3	To be selected from PSY 107, 201 or 202
	—	3	Any Psychology course
	—	3	Any Psychology course
	—	3	Any Psychology course
		21	Credits for this minor.

## SELF-DEVELOPMENT MINOR

The self-development minor is recommended for students who are planning to work in a therapeutic setting directly after graduation from a B.A. program in psychology or a related field. The minor is also recommended for any student whose future career will require a significant amount of interpersonal interaction or any student who wants to engage in a deeper process of personal growth.

**Required Courses**

Department	Course		Course Title
	Number	Credits	
PSY	105	3	Introduction to Psychology
	201	3	Developmental Psychology: Birth to Twelve Years
	205	3	Personality
	206	3	Human Adjustment
	317	3	Psychology of Religion
	415	3	Capstone Course for Self-Development Minor
SOC	306	3	The Family
		21	Credits for this minor.

## PSYCHOLOGY COURSE OFFERINGS

- PSY 105. Introduction to Psychology** **3 credits**  
 A survey of the content fields in psychology and the methods used to understand human behavior. This course is a prerequisite for all other courses in psychology.
- PSY 106. Social Psychology** **3 credits**  
 An analysis of how humans think about, influence, and relate to one another. Prerequisite: PSY 105.
- PSY 107. Human Development: A Life Span Perspective** **3 credits**  
 A developmental course spanning the entire life cycle from birth to death. Emphasis will be placed on the psychological, biological, sociological, philosophical, and historical bases of human development from prenatal and infant development, through child and adolescent development, and culminating in adulthood and aging, to complete the life cycle. Prerequisite: PSY 105.
- PSY 201. Developmental Psychology: Birth to Twelve Years** **3 credits**  
 This course will examine the cognitive, physical, and social development of the child from conception to twelve years of age. Prerequisite: PSY 105. Fall
- PSY 202. Developmental Psychology: The Adolescent** **3 credits**  
 This course will examine the cognitive, physical, emotional, and social development of the adolescent (13 to 20 years of age). Prerequisite: PSY 105. Spring
- PSY 205. Personality** **3 credits**  
 The major theories of personality, personality development, and personality assessment. Prerequisite: Six semester hours of psychology. Fall
- PSY 206. Human Adjustment** **3 credits**  
 This course will examine how one adjusts to day-to-day events and situations in life and the developmental factors that are involved in the adjustment process. Emphasis will be placed on self-developmental, emotional, and social factors that affect one's adjustment to day-to-day events and situations. The relationship between past developmental experiences and current and future adjustment will be considered. Prerequisite: PSY 105. (Spring of even numbered years)
- PSY 208. Psychology as a Profession** **3 credits**  
 Specifically designed for psychology majors or minors, this course provides an introduction to the discipline of professional psychology as it is reflected in contemporary theory and practice. Students will develop an ability to evaluate and utilize information from psychological research published in leading journals, as well as to write research that meets the current standards and practice of psychology. This course will guide students in developing a personal plan for achieving their own goals as psychology students and, when appropriate, strategies for graduate school application or career placement and development. Students are required to become student affiliates of the American Psychological Association. Prerequisite: PSY 105. Fall
- PSY 209. Introduction to Exceptional Individuals: Society, School, and Family** **3 credits**  
**(Cross-listed as SPE 209)**  
 This course is designed to introduce pre-service teacher-education students to the philosophical, legal, and historical foundations of the education of exceptional students. The term "exceptional" is used by educators to describe any individual who's physical, mental, or behavioral performance deviates substantially from the norm, either higher or lower. In this course, exceptional students will include individuals with disabilities and/or giftedness. A study of the models and theories of typical/atypical growth, behaviors, and the current identification criteria used to describe the characteristics of exceptional learners will be emphasized. This course is also required for all Elementary and Secondary Majors. Prerequisite: EDU 205. Spring
- PSY 215. Human Violence and Survival** **3 credits**  
 An exploration of traditional and contemporary psychological theories of human aggression. Theories related to the motives of perpetrators of violence, the psychological effects on victims, the process of recovery from violence, and psychosocial dynamics related to the prevention of violence will be covered. Spring
- PSY 216. Statistics for the Social and Behavioral Sciences** **3 credits**  
**(Cross-listed as HSV 216, POL 216, and SOC 216)**

An introduction to statistical and data analysis techniques for students majoring in the social and behavioral sciences. Topics include descriptive statistics for central tendency, fundamentals of probability, sampling distributions, and hypothesis tests for inferential statistics. This course will also include an overview of more advanced techniques, including the analysis of variance and correlation. Prerequisite: MAT 106. Open to majors in HSV, PSY, SOC, and POL only. Spring

**PSY 217. Sports Psychology** **3 credits**

Both mental and physical aspects are involved in sport and exercise activities. This course provides an introduction to the study of human behavior patterns as they relate to sport and exercise. Athletes, coaches, athletic trainers and other sport and exercise-related professionals must understand these aspects to be successful. Topics covered include personality, anxiety and arousal, imagery, goal setting and injury. Prerequisite: PSY 105. Spring

**PSY 218. Cognitive Psychology** **3 credits**

This course will provide a broad overview of human cognition. It will explore why humans think and believe the things that they do, the nature of memory, and the process of thought. It will examine the ways in which attention, perception, learning, memory, problem-solving, thinking and reasoning help us to make decisions and cope with everyday life. Current research in the field of cognitive psychology will be presented and evaluated. Prerequisite: PSY 105. Spring

**PSY 306. Forensic Psychology** **3 credits**

The use of psychology by the law, and the regulation of psychology by the law are both relatively recent. These interactions will be the focus of the course. Topics will range from the effects of drugs on behavior, the sources of criminal behavior, deviancy in society, the standards of evidence, sanity, competency, custody, and profiling. Other topics will be discussed. Prerequisite: PSY 105. (Fall of odd numbered years)

**PSY 308. Abnormal Psychology** **3 credits**

The psychobiological and psychosocial factors in the development of psychopathology. Prerequisites: PSY 105 and 205 or permission of the department chair. Spring

**PSY 309. Learning** **3 credits**

This course provides an introduction to the basic concepts and processes of learning and memory, with particular emphasis on animal learning and comparative cognition, as well as the continuing influence of the early researchers in this field. As a result of this course, students should be able to recognize the influence of the environment on behavior, distinguish between major types of learning, identify basic principles of learning, use the technical terminology appropriate to the psychology of learning, and appreciate the significant role that learning plays in the lives of human and nonhuman animals. Prerequisite: PSY 105. Fall

**PSY 311. Research Methods** **3 credits**

This course is designed to provide students with an introduction to the methods used for the collection and analysis of data in psychology. The steps in the scientific study of behavior, including literature review, method selection, and statistical analysis of data will be covered. Topics to be covered include experimental design, ethics, descriptive and inferential statistics, and the preparation of research reports. Students must take this course immediately prior to taking PSY 312. Prerequisites: PSY 105 and PSY 216. Fall

**PSY 312. Experimental Psychology** **3 credits**

This course is designed to provide students with an opportunity to engage in many of the steps of psychological research first hand. Students will be conducting scientific literature reviews, generating hypotheses, analyzing data using statistical software, writing research reports, and presenting their research at a mock research conference held on campus. Students must take this course immediately after taking PSY 311. Prerequisite: PSY 311. Spring

**PSY 315. Psychological Measurement and Evaluation** **3 credits**

An introduction to the philosophy and practice of psychological measurement. Emphasis is placed upon the statistical techniques which form the basis for the development and interpretation of psychological tests. The student becomes directly acquainted with testing procedures through simulated administration of a variety of tests and analyzing psychological evaluations that summarize and interpret test results. Prerequisites: Six semester hours of psychology, PSY 216, or permission of the department chair. Spring

**PSY 316. Psychobiology** **3 credits**

This class will familiarize students with the principles of biological psychology as well as with the relationships between behavior and brain /neurological functions. This course provides a survey and discussion of the structure and

functions of the nervous system, the sensory and motor systems needed for daily functioning and the biology behind emotions, sleep, learning, sex, reproduction, and mental illnesses. Prerequisite: PSY 105. Fall

**PSY 317. Psychology of Religion (Cross-listed as BMS 317) 3 credits**

This course is designed to help the student understand the ways in which individual and social psychology and the process of spiritual growth influence one another. The student will understand how people develop spiritually, and how psychology can help to encourage this growth. Both spiritual and psychological authors are included in the reading. This course is intended to encourage individual thought and to aid in the students' struggle to maintain faith while learning this science. Prerequisite: PSY 105. (Spring of even numbered years)

**PSY 318. Human Sexuality 3 credits**

This course explores the vast area of human behavior involved in sexuality. It will cover how sexual behavior is formed, abnormal behavior, normal sexual responses, the impact of sexuality on the culture, how self-esteem is affected by cultural and family attitudes towards sexuality, and a variety of other factors in this study. Prerequisite: PSY 105. (Fall of even numbered years)

**PSY 321. Advanced Research Methods 3 credits**

This course is designed to provide students with an introduction to the methods used for the collection and analysis of data in psychology. The steps in the scientific study of behavior, including literature review, method selection, and statistical analysis of data will be covered. Topics to be covered include experimental design, ethics, descriptive and inferential statistics, and the preparation of research manuscripts. Students will also prepare IRB proposals for their PSY 321 research projects. Students must take this course immediately prior to taking PSY 322. Prerequisites: PSY 105 and 216. Fall

**PSY 322. Advanced Experimental Psychology 3 credits**

This course is designed to provide students with an opportunity to engage in many of the steps of psychological research first hand. Students will be conducting scientific literature reviews, generating novel hypotheses, collecting data, analyzing data using statistical software, writing research manuscripts, and presenting their research at a mock research conference held at another university. Students must take this course immediately after taking PSY 321. Prerequisite: PSY 321. Spring

**PSY 326. Psychology of Women (Cross-listed as SOC 326) 3 credits**

An examination of psychology as it relates to women and psychological issues of concern to women. Issues of concern will include, but not be limited to, media images of women, women and leadership, gender differences, relationships, career success, sexuality, date rape and psychological disorders that are represented disproportionately among women. Prerequisite: PSY 105. (Spring of odd numbered years)

**PSY 406. Psychotherapy 3 credits**

An introduction to the theory and practice of psychotherapy, with particular emphasis on the principles of clinical intervention, counseling skills, consultative processes and case-study techniques. Prerequisite: PSY 105, 205, or permission from the department chair.

**PSY 409. The History of Psychology 3 credits**

This course will examine the discipline of psychology in a historical context, focusing on its philosophical and physiological underpinnings. Prerequisite: PHL 207 and fifteen semester hours of psychology. Spring

**PSY 415. Capstone Course for Self-Development Minor 3 credits**

This course is to be the final course taken in the sequence for the self-development minor. This course will focus on integrating the information that was presented in the other course that the student has taken to complete the minor. The student will use that information to assess his/her own development and determine how his/her personality and life view affects his/her relationships with members of the family and clients, subordinates, co-workers, superiors or students in the workplace. (Fall of even numbered years)

**PSY 465. Psychology Internship Program 6 credits**

A field-placement wherein qualified students intern as paraprofessionals in the on-going activities of one or more social service agencies in the community. A total of 15 hours per week of agency-related activities is involved as well as one two-hour seminar per week. Limited to psychology majors and minors. Prerequisite: 15 semester hours in psychology including PSY 205 or 308 if the internship is clinical; PSY 216, 311 or 321, and 312 or 322 if the internship is research based; approval of the department. Pass-fail grade.

**PSY 466. Child Development Internship 6 credits**

A field-placement wherein qualified students intern as paraprofessionals in an on-going activities of a facility that is involved in serving children such as Children and Youth Services of a day care center. A total of 15 hours per week of agency-related activities is involved as well as one two-hour seminar per week. Limited to psychology majors in the child development minor. Prerequisites: 15 hours in psychology, including PSY 201 and 202. Pass-fail grade.

**PSY 475. Advanced Faith and Learning Integration**

**3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors.

Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**PSY 195, 295, 395, 495. Special Topics**

**3 credits**

Appropriate and related topics pertaining to the student's specialized interest. Subject matter to be arranged.

Prerequisite: Permission of department chair. (Offered when interest is expressed and departmental resources permit)

**PSY 497. Independent Research**

**2-3 credits**

Independent study and research into specific topics and problems in the field of psychology. Open to junior and senior psychology majors with permission of the department chair.

## PUBLIC RELATIONS

DEPARTMENT OF COMMUNICATION

RICHARD L. KRAUSE, M.A., M.S.J., CHAIR

The field of public relations is a rapidly developing support industry. The study of the public relations industry focuses upon the strategic communication effort to convey meaningful messages to directly targeted audiences or "publics" with which mutually beneficial relationships are established and maintained. To study the public relations industry also includes the examination of traditional and new media forms used to convey these key messages.

The objectives of the Public Relations major are to advance student skills in the areas of writing, speaking, editing, and proofreading in a variety of formats; to provide students with technical knowledge and experience in Public Relations and related fields of communication, such as broadcast journalism, the print media, and the graphic arts; to develop students' critical thinking skills so that they become thoughtful producers and consumers of mediated messages; and, to prepare students for graduate study in the fields of Public Relations, Business, or other related communication fields.

It is expected that a student in the Public Relations major program will join the nationally recognized Waynesburg University chapter of the Public Relations Student Society of America (PRSSA) as well as complete additional field-related experience that may come from areas that include: the Yellow Jacket (newspaper), the Mad Anthony (yearbook), WCYJ-FM, WCTV, the Sports Information Office, Design Group, or any other field-related activity approved by the Department of Communication.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## PUBLIC RELATIONS MAJOR

### Required Courses



Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
<b>Communication Core:</b>				
COM	105	3	Understanding Media.....	1F
	109	3	Multimedia I .....	1
	126	3	Principles of Design.....	1
	209	3	Photography I.....	2 or 3
	211	3	News Writing and Reporting .....	2
	215	3	Web Production .....	2 or 3
	228	3	Business and Professional Speaking .....	2 or 3
	317	3	Communication Law.....	3
	326	3	Social Media Production.....	3
	329	3	Cross Cultural Communication.....	3 or 4
	438	3	Communication Theory and Research .....	4F
	465	3	Internship .....	4
	466	3	Practicum.....	4F
<b>Public Relations Courses:</b>				
COM	137	3	Introduction to Public Relations .....	1S
	206	3	Videography .....	2F
	237	3	Public Relations Writing and Production.....	2S
	338	3	Non-profit Public Relations and Fundraising.....	3F or 4F
	339	3	Creativity Theory and Practice .....	3S or 4S
	399	3	Public Relations Research.....	3F or 4F
	405	3	Advanced Public Relations Strategies .....	3S or 4S
	437	3	Special Events Planning.....	3S or 4S
ENG	345	3	Grants Writing and Research .....	3
MGT/MKT	—	6	Two courses to be selected from: MGT 205; MKT 205, 207	
	—	72	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## PUBLIC RELATIONS MINOR

### Required Courses

Department	Course Number	Credits	Course Title
COM	105	3	Understanding Media
	137	3	Introduction to Public Relations
	211	3	News Writing and Reporting
	237	3	Public Relations Writing and Production
	308	3	Document Design or COM 315, Web Design
	—	6	Two courses to be selected from: COM 317, 338, 339, 399
	405	3	Advanced Public Relations Strategies or COM 437, Special Events Planning
		24	Credits for this minor.
<b>Recommended Course</b>			
COM	228	3	Business and Professional Speaking (to meet general education requirement)

# SERVICE LEARNING

MARIE E. LEICHLITER-KRAUSE, ED.D., DIRECTOR

The goal of Service Learning is to provide a laboratory in which learning experiences address human and community needs and provides the necessary time for reflection on those experiences. Service opportunities are structured to promote student learning and development. Desired learning outcomes include: acquiring a sense of civic and social responsibility, gaining exposure to cultural and socio-economic differences, applying classroom learning, and mastering new skills. With the exception of students completing a minor in service leadership, no more than four credits of service learning will be applied toward the baccalaureate degree. Credit for participation in service learning experience must be awarded during the same academic year of participation.

Community service is a tradition at Waynesburg University that continues to find expression through the service projects of student organizations and religious groups, as well as scholarship programs such as the Bonner Scholarship programs. The service initiatives of these groups are implemented in conjunction with the Center for Service Leadership. The Center promotes and directs service activities taking place on campus and in the community. Through community service initiatives, students, faculty, and staff are encouraged to become responsible citizens as well as to become part of the solutions to the social problems facing the world. Opportunities to participate in service trips to major U.S. cities, Appalachia, and international destinations are also available.

Waynesburg University offers a service-learning experience for one credit hour. This course, which is part of the general education requirements for the Waynesburg University baccalaureate degree, provides the student with an opportunity to participate in service to a non-profit organization for a minimum of thirty hours over the progression of a semester. Students are expected to reflect upon this experience and consider its implications for their future lives with a faculty mentor. A variable credit option is available to students seeking additional service opportunities. A Service Leadership Minor Program is available for students interested in more active involvement and application of their educational experience.

## FULFILLING THE SERVICE LEARNING REQUIREMENT

Students may fulfill the requirement by completing at least 1 credit from the following:

- SLR 105 - Service Learning I
- SLR 106 - Mission and Service Trip
- SLR 155, 255, 355 or 455 – Service Learning Added Credit Option

Some departments include the service learning requirement in their curriculums:

- Education – SLR 107, Service Learning for Education
- Nursing – NUR 419, Clinical Prevention and Population Health

## SERVICE LEARNING REQUIREMENT FOR MILITARY SERVICE (NON-CREDIT)

The service learning requirement is satisfied for those students who are on active duty or who have a general or honorable discharge from military service. Evidence of military service is provided to the Registrar's Office through a copy of a DD form 214.

## SERVICE LEARNING REQUIREMENT FOR OTHER VOLUNTEER OPPORTUNITIES (NON-CREDIT)

The service learning requirement is satisfied for those students who can document participation in the Peace Corps (i.e., Certification of Service for Employment Purposes or Description of Service) or AmeriCorps (i.e., Employment Verification). The Registrar's Office can provide information on acquiring such documentation.

Participation in any other volunteer opportunity will be considered, with conclusive documentation, on a case by case basis by the Director of Service Learning.

## SERVICE LEADERSHIP MINOR

Service Leadership is feeling that one wants to serve first, before one aspires to lead. Christ is the ultimate example of a servant leader. "For even the Son of Man did not come to be served, but to serve, and to give His life as a ransom for many." Mark 10:45.

The mission of the Service Leadership minor at Waynesburg University is to provide students with a foundation of knowledge, skills, and abilities so that they may faithfully transform their communities and the world. Students are prepared to be engaged citizens who live a life of servant leadership and purpose of the glory of God.

The mission of the minor program in Service Leadership at Waynesburg University will be fulfilled when our students

- utilize service experiences as laboratories for the learning of courses in their academic major programs;
- engage in substantive research that makes connections between students' service activities and their vocations;
- think and write critically about the complex network out of which substantial American and international social problems arise (such as poverty, homelessness and/or inadequate housing, hunger, and illiteracy);
- relate these problems to the Biblical theological ethics that mandate a humane response to individual and community symptoms and systemic causes;
- participate in the process of social and political change to alleviate the personal and corporate effects of these problems at local, regional, national, and/or global levels, and,
- develop career interests in the non-profit and public sectors aimed at socio-economic and racial justice.

### **Mission/Service Courses**

Students are required to complete a minimum of 90 service hours. These hours must include a combination of:

At least one (1) credit of:

SLR	105	1	Service Learning I
	106	1	Service Learning I: Mission and Service Trip
	205	2	Service Learning II
	206	2	Service Learning II: Mission and Service Trip
	305	3	Service Learning III
	306	3	Service Learning III: Mission and Service Trip

At least one (1) credit of SLR 155/255/355/455

SLR	155	1	Service Learning Added Credit Option
	255	1	Service Learning Added Credit Option
	355	1	Service Learning Added Credit Option
	455	1	Service Learning Added Credit Option

At least one (1) credit capstone project:

SLR	499	1-3	Service Leadership Project
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Students may elect to take this course for 1 credit only in conjunction with another research or project in their major program. If not taken with another senior research or project course, the Service Leadership Project requires enrollment for 3 credit hours.

### **Service Leadership Skills**

Three (3) credits from the following are required:

BUS	358	3	Leadership, Stewardship, and Ethics
COM	228	3	Business and Professional Speaking
ENG	329	3	Business and Professional Writing
	345	3	Grants Writing and Research
SLR	215	3	Frontiers of Dynamic Leadership (preferred)
SOC	107	3	Fundamentals of Moral Leadership (cross-listed with POL 107)

### **Social Change Cognate**

Nine (9) credits from the following recommended courses:

Students must take courses from at least two discipline areas. These courses may already be a part of the student's general education course requirements and/or major.

BIO	409	3	Environmental Global Issues
BMS	325	3	Contemporary Issues in Missiology
BUS	469	3	International Business Internship (cross-listed with INT 469)
ENG	317	3	World Literature I
ENV	117	4	Introduction to Environmental Science
HIS	338	3	History of American Minority Experiences (cross-listed as SOC 307)
INT	105	3	World Poverty and World Development (cross-listed as ECO 105)
POL	209	3	Public Policy Analysis

POL	215	3	Politics and Ethics
PSY	326	3	Psychology of Women (cross-listed as SOC 326)
SOC	205	3	Social Problems
	306	3	The Family
	308	3	Deviant Behavior
	309	3	Urban Sociology
	315	3	Juvenile Delinquency
	316	3	Criminology
	317	3	Social Stratification
	328	3	Sociology of Globalization and Post-Colonial Cultures
	15-17		Credits for this minor.

## SERVICE LEARNING COURSE OFFERINGS

### **SLR 105. Service Learning I**

**1 credit**

Students will complete at least 30 hours of pre-approved, unpaid service experience in a non-profit organization. The service must be performed in the same semester in which the student is registered for the course. Learning activities that fulfill requirements for other courses or complete degree requirements cannot be used to fulfill the requirements of this course. Students will reflect upon their experience, its current and future impact, and the implications for life-long learning through the writing of reflection papers, other brief writing assignments, the creation of an electronic or photographic portfolio, and a final paper. Students are strongly encouraged to complete the first level course during either their freshmen or sophomore years. A student may repeat SLR 105 no more than four times for credit when the service is performed at a site different than the site where the other credits were performed.

### **SLR 106, 206, 306. Service Learning I, II, III Mission and Service Trip**

**1-3 credits**

Students will complete pre-approved, unpaid service experience within the context of a University-sponsored mission and service trip. The service must be performed as part of the designated trip experience. The service must be performed in the same semester in which the student is registered for the course, or within the following semester. Students will reflect upon their experience, cross-cultural issues, and relevant social policies. Students will identify the implications for current and future impact upon them through the writing of reflection papers, other brief writing assignments, the creation of an electronic or photographic portfolio, and/or a final paper. Students may enroll in particular sections based upon the designated service experience and location. Levels of credit depend on two factors: the number of hours the students serves (30, 60 or 90) and the level of the learning activities in which the students engage. These courses fulfill the General Education Requirement in Service Learning (SLR 105).

### **SLR 107. Service Learning for Education (Formerly SLR 107, Pittsburgh Project Tutoring)**

**1 credit**

This course is required of all education students. Students will complete at least 30 hours of pre-approved, unpaid service experience in a setting that serves a diverse population. Learning activities that fulfill requirements for other courses or complete degree requirements cannot be used to fulfill the requirements of this course. Students will reflect upon their experience, its current and future impact, and the implications for life-long learning through the writing of reflection papers, other brief writing assignments, the creation of an electronic or photographic portfolio, and a final paper. The service must be performed in the same semester in which the student is registered for the course. This course fulfills the General Education Requirement in Service Learning (SLR 105).

### **SLR 155, 255, 355, or 455. Service Learning Added Credit Option**

**1 credit**

Students may elect to add an additional service learning credit to another course. Students must negotiate with the professor of the other course to add the credit; it is the professor's option to add the service learning credit. Students will complete at least 30 hours of pre-approved, unpaid service experience in a non-profit organization. Written requirements for the added credit must integrate the learning of the content of the other course with the learning of the service experience. The number of the added credit course will match the level of the other course. The number of the course will depend on not only hours served, but also increasing levels of critical analysis and learning. The service must be performed in the same semester in which the student is registered for the course. These courses fulfill the General Education Requirement in Service Learning. (Offered when interest is expressed and departmental resources permit.)

### **SLR 205. Service Learning II**

**2 credits**

Students will complete the requirements for SLR 105 in this course. In addition, they will perform an additional 30 hours of community service, for a total of sixty hours, and they will compose an additional research paper that investigates a situation encountered at the service site. This situation may relate to issues of providing service, agency structure and/or funding, individual psychological, sociological and/or public policy causes of the needs that the agency intends to meet, etc. The service must be performed in the same semester in which the student is registered for the course. (Offered when interest is expressed and departmental resources permit.)

**SLR 215. Frontiers of Dynamic Leadership**

**3 credits**

This experiential and theoretical course assists students in developing their own aptitude for leadership and applying those skills in concrete situations. The course will explore opportunities for leadership, analyze leadership situations, and develop strategies for effective and persuasive leadership in pursuit of the common good.

**SLR 305. Service Learning III**

**3 credits**

Students will complete the requirements for SLR 205 in this course. In addition, they will perform an additional 30 hours of community service, for a total of ninety hours, and they will compose an additional research paper that identifies possible short-term and long-term solutions to the problems identified in the SLR 205 research paper. Students will also make a public, oral presentation of the findings of the research. The service must be performed in the same semester in which the student is registered for the course. (Offered when interest is expressed and departmental resources permit.)

**SLR 499. Service Leadership Project**

**1 or 3 credits**

As the title suggests, this course is intended to provide a summative, integrative learning experience for the student who completes the Service Leadership minor program. Course credit is variable according to the student's academic major program. According to the number of credits completed, the student will invest 30, 60 or 90 hours at a non-profit site that provides the students with a context to engage in research that relates to the student's academic major. Written coursework will produce applied research that is consistent with the learning objectives of the minor program. A written plan of instruction must be submitted by the student and the professor of record to the Director of Service Learning who must approve the plan. The service must be performed in the same semester in which the student is registered for the course.

## SOCIAL SCIENCE

DEPARTMENT OF CRIMINAL JUSTICE AND SOCIAL SCIENCES

ADAM E. JACK, M.S., CHAIR

### SOCIAL SCIENCE MAJOR (POLITICAL SCIENCE OPTION)

Political Science, at its most basic level, is the study of societal decision making, the mastery of which, is an important component of the Waynesburg University Mission Statement of providing opportunities for students of lives of leadership and scholarship.

Students who seek to focus on the study of political science should see the Political Science Option of the Social Science major. Students interested in the practice of law, who seek a rigorous undergraduate program with numerous courses in political science, philosophy, and history, should see the Pre-Law Option of the Social Science major. In addition, there is a political science minor (see page 243).

The objectives of the political science major are to:

- enable a citizen of the United States to understand politics and government;
- encourage students to develop a critical understanding of law, politics, and government, both national and international;
- prepare students for future careers in business, education, government, journalism, law, and politics;
- introduce students to the major fields of study in political science; and
- train students in political science as part of an interdisciplinary major in social science.

Through specific learning objectives embedded in each course, political science majors should be able to understand or demonstrate:

- the institutions of government and politics at the local, state, national and international level;

- the roles of various political actors and institutions in the governmental process; identify the relevant historical circumstances and events that shape current political events; compare and contrast alternative economic and political systems;
- the complex interrelationships of politics with other disciplines, such as economics, geography, criminal justice, and sociology;
- the theoretical foundations of the discipline;
- effective communication skills, both written and oral;
- a wide variety of learning skills, including analytical and conceptual skills, social science methodology, reading skills, and technology-based skills;
- an understanding of the research processes of Political Science, both empirical and normative;
- the basic knowledge, skills, and values needed for responsible and active citizenship participation.

These objectives will be assessed through written examinations, quizzes, research projects, classroom participation, current events presentations, and simulations.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

#### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
HIS	101	3	The United States to 1865.....	1F or 2F
	102	3	The United States since 1865.....	1 or 2
	—	3	Any History course	
	—	3	Any History course	
POL	105	3	American National Government .....	1
	106	3	Introduction to Politics.....	1
	216	3	Statistics for the Social and Behavioral Sciences.....	2S
	—	3	Any Political Science course except POL 465	
	—	3	Any Political Science course except POL 465	
	—	3	Any Political Science course except POL 465	
	—	3	Any Political Science course except POL 465	
	—	3	Any Political Science course except POL 465	
SOC	406	3	Social Science Research Methods.....	4F
	—	12	Four courses from Criminal Justice Administration, Economics, Geography, International Studies, or Sociology (At least two disciplines)	
	—	51	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

### SOCIAL SCIENCE MAJOR (PRE-LAW OPTION)

Students who plan to become attorneys must overcome a series of challenges. They need to excel in college and score high on the Law School Admission Test (LSAT). They need to gain admittance to law school and master their legal studies. Finally, they need to pass the bar examination.

Law schools seek able, motivated students regardless of their undergraduate major. Students have graduated in a wide variety of majors from Waynesburg and have gone on to law school. What matters most in a student's

undergraduate studies is enrolling in challenging courses to develop intellectual skills. Students should learn to read carefully and precisely, to reason logically, and to write and speak clearly.

To aid the student the University provides a Pre-Law Advisor. The Pre-Law Advisor does not substitute for the major advisor but aims to complement the work of the major advisor. The Pre-Law Advisor advises students regarding course selection with an eye to developing the skills law schools seek. The advisor helps the student prepare for the LSAT and guides the student through the process of deciding which law schools to apply to for admission, and which, once admitted would be best to attend.

Students considering attending law school should register with the Pre-Law Advisor as early in their college careers as possible.

The Pre-Law Major follows the recommendation of the American Bar Association in developing a wide range of skills that have been recognized as necessary for the successful completion of law school and a career in the law.

Through specific learning objectives embedded in each course, pre-law students should be able to:

- demonstrate a wide range of analytic and problem solving skills;
- show the mastery of critical reading skills in a variety of genres and disciplines;
- apply effective writing skills in different formats;
- utilize effective oral communication and listening abilities;
- demonstrate general research skills in the social sciences, humanities, and the natural sciences; and
- apply effective time management and task organization in a demanding academic environment.

These skills are developed through specific courses in political science, business, advanced expository writing, history, philosophy, criminal justice administration, economics, geography, and sociology and through the variety of disciplines represented in the General Education requirements.

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
ACC	101	3	Principles of Managerial Accounting.....	2F
	102	3	Principles of Financial Accounting.....	2S
ENG	206	3	Advanced Expository Writing .....	4
HIS	101	3	The United States to 1865.....	1 or 2
	102	3	The United States since 1865.....	1 or 2
	111	3	Western Civilization to 1450 .....	1 or 2
	112	3	Western Civilization since 1450 .....	1 or 2
PHL	105	3	Introduction to Philosophy.....	3
	106	3	Logic.....	3
POL	105	3	American National Government .....	1
			or POL 106, Introduction to Politics	
	305	3	Jurisprudence .....	3
	315	3	Political Theory .....	4
	—	3	Any Political Science course except POL 465	
	—	3	Any Political Science course except POL 465	
	—	3	Any Political Science course except POL 465	
	—	3	Any Political Science course except POL 465	
	—	12	Four courses from Criminal Justice	
	—		Administration, Economics, Geography,	
	—		or Sociology	
	—		(At least two disciplines)	
	—	60	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

### Recommended courses

BUS	318	3	Business Law
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ENG	—	3	Any advanced literature course(s)
MAT	215	3	Applied Statistics I
POL	306	3	American Constitutional Law

## COUNSELING MINOR

(See page 249)

# SOCIOLOGY

DEPARTMENT OF CRIMINAL JUSTICE AND SOCIAL SCIENCES

ADAM E. JACK, M.S., CHAIR

Waynesburg University gears the sociology major toward preparing students for careers in government, social service, and educational institutions as well as adequate preparation for graduate study in sociology, social work, and allied fields. The program also intends to support and extend the liberal arts and science foundation that is imperative for those who will meet the challenges of the future with responsibility, versatility, and compassion. To these ends, the sociology major offers two different tracks: family studies and sociological studies.

These broad aims are fulfilled through the accomplishment of the following more specific learning outcomes. In the major program, students will:

- articulate how broad social forces have shaped and continue to shape the modern world;
- evaluate how these forces strongly affect the opportunities available to individuals and their decisions;
- compare many of the different perspectives within the discipline that affect the conduct and practice of sociology;
- identify many of the subfields within the discipline and understand how sociological perspectives can be applied to broad spectrum of social phenomena;
- practice the methodological foundations of sociology as an empirical social science and use them in answering complex social questions;
- see the world through the lens of different cultures and communities with profound opportunities to collaborate with others in the development of multi-cultural and global understandings;
- analyze social problems with theories and evidence that can help in solving these problems, thus fostering the strong writing and presentation skills needed in a diverse world; and
- practice tolerance for the beliefs and practices of others.

## SOCIOLOGY MAJOR (FAMILY STUDIES OPTION)

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
CNS	105	3	Counseling for the Twenty-first Century .....	2 or 3
COM	228	3	Business and Professional Speaking .....	2 or 3
PSY	105	3	Introduction to Psychology .....	1
	201	3	Developmental Psychology: Birth to Twelve .....	2 or 3
	202	3	Developmental Psychology: The Adolescent.....	2 or 3
	205	3	Personality .....	2 or 3
	326	3	Psychology of Women.....	2 or 3
	105	3	Principles of Sociology.....	1
SOC			or SOC 106, Societies	
	107	3	Moral Leadership.....	2 or 3
	205	3	Social Problems .....	2 or 3
	206	3	Introduction to Social Work.....	2F or 3F
	216	3	Statistics for Social and Behavioral Sciences .....	3



			or MAT 215, Applied Statistics I	
SOC	306	3	The Family.....	2 or 3
	308	3	Deviant Behavior.....	2F or 3F
	309	3	Urban Sociology.....	2S or 3S
	315	3	Juvenile Delinquency.....	2 or 3
	317	3	Social Stratification.....	2S or 3S
	325	3	Introduction to Social Casework.....	2S or 3S
			or CNS 405, Counseling and the Helping Relationship	
	327	3	Cultural Difference in 21st Century America.....	2 or 3
	406	3	Social Science Research Methods.....	4F
	465	3	Internship (family setting).....	3 or 4
	66		Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

## SOCIOLOGY MAJOR (SOCIOLOGICAL STUDIES OPTION)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
COM	228	3	Business and Professional Speaking.....	2 or 3
MAT	106	3	Beginning Algebra.....	1
PSY	105	3	Introduction to Psychology.....	1
	106	3	Social Psychology.....	1 or 2
SOC	105	3	Principles of Sociology.....	1
			or SOC 106, Societies	
	107	3	Moral Leadership.....	2S or 3S
	205	3	Social Problems.....	2S or 3S
	216	3	Statistics for Social and Behavioral Science.....	3S
			or MAT 215, Applied Statistics I	
	307	3	Minority Relations.....	2 or 3
			or SOC 327, Cultural Difference in 21 <sup>st</sup> Century America	
	309	3	Urban Sociology.....	2S or 3S
			or SOC 317, Social Stratification	
	328	3	Sociology of Globalization and Post-Colonial Cultures.....	3F or 4F
	405	3	Sociological Theory.....	3F or 4F
	406	3	Social Science Research Methods.....	4F
	—	6	Any 300-level or higher sociology course	
	—	6	Any two 200-level or higher HIS, POL, SOC courses	
	—	51	Credits for this major; prerequisite courses may be necessary and the General Education Requirements must be completed (see pages 63-64).	

### Recommended Courses:

SOC	307	3	Minority Relations
	309	3	Urban Sociology
	317	3	Social Stratification
	327	3	Cultural Differences in 21 <sup>st</sup> Century America

## COUNSELING MINOR

(See page 249)

## SOCIOLOGY MINOR

### Required Courses

Department	Course Number	Credits	Course Title
SOC	105	3	Principles of Sociology or SOC 106, Societies
	328	3	Sociology of Globalization and Post-Colonial Cultures or SOC 405, Sociological Theory
	—	3	Any sociology course except SOC 465
	—	3	Any 200-level or higher sociology course except SOC 465
	—	3	Any 300-level or higher sociology course except SOC 465
	—	3	Any course to be selected from: HIS, GEO, INT, POL, PSY, or additional SOC course
		18	Credits for this Minor.

## SOCIOLOGY COURSE OFFERINGS

### **SOC 105. Principles of Sociology** **3 credits**

The basic concepts of sociology, including culture, social organization, socialization, deviance, and stratification are introduced.

### **SOC 106. Societies** **3 credits**

An examination of the nature, evolution, and varieties of human societies with an emphasis on industrial societies. Fall

### **SOC 107. Fundamentals of Moral Leadership (Cross-listed as POL 107)** **3 credits**

This course starts by teaching basic leadership skills. The second part of the course looks at a wide variety of successful and moral leaders. Spring

### **SOC 205. Social Problems** **3 credits**

A sociological examination of contemporary problems of modern societies. Emphasis is placed upon the structural nature of social problems and the tensions created by societal change. Prerequisite: SOC 105 or SOC 106. Spring

### **SOC 206. Introduction to Social Work** **3 credits**

Introduces students to the goals, values, and historical development of social work as a profession and career; with emphasis on its body of knowledge, unique methods and service delivery in its settings of practice. Prerequisites: SOC 105 and PSY 105. (Fall of odd numbered years)

### **SOC 216. Statistics for the Social and Behavioral Sciences** **3 credits**

**(Cross-listed as HSV 216, POL 216, and PSY 216)**

An introduction to statistical and data analysis techniques for students majoring in the social and behavioral sciences. Topics include descriptive statistics for central tendency, variation and association, fundamentals of probability, sampling distributions, the logic of inference, estimation and hypothesis tests for means and percentages, and an overview of more advanced techniques including the analysis of variance and correlation and regression. Prerequisite: MAT 106. Open to majors in HSV, PSY, SOC, and POL only. Spring

### **SOC 306. The Family** **3 credits**

A cross-cultural analysis of the family as a social institution with special emphasis on the family in the U.S. Changing sex and age roles, and alternate family forms are also investigated. Prerequisite: SOC 105 or 106. Spring

### **SOC 307. Minority Relations (Cross-listed with HIS 338)** **3 credits**

Majority-minority relations in heterogeneous societies with particular emphasis on the U.S. The assimilation process exhibited by specific ethnic, religious, and racial groups is analyzed, as well as the nature of prejudice and discrimination experiences by such groups. Prerequisite: SOC 105 or 106. Fall

### **SOC 308. Deviant Behavior** **3 credits**

Examinations of various forms of socially labeled deviance including crime, delinquency, mental illness, alcoholism, drug abuse, homosexuality, and organizational deviance. Consideration of subcultures, theories of deviance, and social control. Prerequisite: SOC 105 or 106. (Fall of odd numbered years)

**SOC 309. Urban Sociology 3 credits**

The city as a social form including demography, ecology, social organization, and the social psychology of urban life.

Prerequisite: SOC 105 or 106. (Spring of even numbered years)

**SOC 315. Juvenile Delinquency 3 credits**

Delinquency as a social and individual problem; the nature and extent of delinquency; sociological theories of delinquency causation; the administration of juvenile justice, and the control and prevention of delinquency; recent legal changes affecting the status of juveniles and juvenile justice procedures. Prerequisite: SOC 105 or 106. (Fall of even numbered years)

**SOC 316. Criminology 3 credits**

Examination of the structural and cultural nature of crime; sociological theories of criminal behavior; current and proposed penal methods. Prerequisite: SOC 105 or 106. (Spring of odd numbered years)

**SOC 317. Social Stratification 3 credits**

The origins and development of structured social inequality culminating in modern-day class systems; theories of stratification; particular emphasis upon class, status, and power hierarchies in American society, and mobility within each. Prerequisite: SOC 105 or 106. (Spring of odd numbered years)

**SOC 319. Religion in America (Cross-listed as BMS 319) 3 credits**

The course will examine the context of religion both in concept and in its practical sequences for individuals and public institutions within American society. Material will emphasize the role or effect of religion upon American life and culture, and the impact of the social environment upon various American religious traditions. (Offered when interest is expressed and departmental resources permit.)

**SOC 325. Introduction to Social Casework 3 credits**

This course is designed to give students the opportunity to apply theories and concepts that have been learned in previous sociology and psychology courses to a variety of social problems that professional helpers encounter in their daily practice. Course activities include role-play, case analysis, self-evaluation, and class dialogue that will assess students' interpersonal and diagnostic skills. Prerequisites: SOC 206 or permission of the department chair. (Spring of even numbered years)

**SOC 326. Psychology of Women (Cross-listed as PSY 326) 3 credits**

An examination of psychology as it relates to women and psychological issues of concern to women. Issues of concern will include, but not be limited to, media images of women, women and leadership, gender differences, relationships, career success, sexuality, date rape, and psychological disorders that are represented disproportionately among women. Prerequisite: PSY 105. (Spring of odd numbered years)

**SOC 327. Cultural Difference in 21st Century America 3 credits**

The principal goal of this course is to expand awareness of cultural differences among students from all backgrounds. This course will examine the nature of difference, inequality, and privilege with regard to age, race, ethnicity, class, sex, religion, gender, sexual orientation, and disability in 21st century America.

**SOC 328. Sociology of Globalization and Post-Colonial Cultures 3 credits**

This course examines the powerful socio-cultural, political, economic and religious forces that are pervasive and profound not just locally, but also globally. It seeks to address the following questions: What is globalization? What are post-colonial cultures? What are the interplay of religion and globalization especially since 9/11/2001? Is the world being homogenized through pervasive forces of modernity/post-modernity or "class of civilizations"? Conceptualization and discourse on globalization have often failed to deal with post-colonial cultures in critical and systematic ways. This course will help us to rethink the concept of society, boundaries and processes of formation in a globalized age. Furthermore, the course will explore how sociology of immigration, religion and ethnicity intertwined over the last 20 years especially among immigrants in the United States. (Fall of even numbered years)

**SOC 395. Topics in Social Psychology 3 credits**

Selected topics in social psychology from a sociological perspective. These may include social influence processes, social interactions, small group processes, the attitude-behavior relationship, adult socialization, collective behavior, and culture and personality. Prerequisite: SOC 105 or 106. (Offered when interest is expressed and departmental resources permit.)

**SOC 405. Sociological Theory 3 credits**

Analysis of the development of sociological thought with emphasis upon the significant European and American theorists of the late 19th and 20th centuries. Prerequisite: Nine hours of sociology (including SOC 105) or permission of the department chair. (Fall of odd numbered years)

**SOC 406. Social Science Research Methods**

**3 credits**

Survey of the logic and techniques of social science research. Major topics include problem formation, research design, measurements, sampling, data collection strategies, and elements of data analysis. Prerequisite: 12 hours of social science and HSV/PSY/SOC or POL 216. Fall

**SOC 465. Internship**

**3-6 credits**

Practical experience in government, social service agencies, or other appropriate public or private agencies. Internships are designed to serve two major purposes: First, to provide an opportunity for study and experience outside the traditional setting of the classroom and laboratory, yet within the framework of disciplined inquiry; and second, to provide a special opportunity for the participants to refine their emerging professional vocational interests. Students may earn three or six credits in one or two semesters, but no more than a total of six credits. May not be used to satisfy the area emphasis requirement. Prerequisites: Social science major, SOC 105, the department chair's permission, and junior or senior standing. Graded credit.

**SOC 475. Advanced Faith and Learning Integration**

**3 credits**

In the spirit of the mission of Waynesburg University, this course intends to provide junior and senior level students with an unparalleled opportunity to integrate the Bible materials and its history of interpretation to the academic disciplines. Students who wish to engage in this level of theological reflection on vocation should consult with both their academic advisors and with the Chair of the Biblical and Ministry Studies Major Program. See page 84 for further information. This course will not substitute for senior capstone/research courses required in the majors. Prerequisites: Junior or Senior standing; three credits in BMS courses; 3.00 minimum grade point average. (Offered when interest is expressed and departmental resources permit.)

**SOC 487. Honors Course**

**3 credits**

Intensive research in some particular area of sociology and the preparation of a research paper under the direction of the instructor; open only to seniors majoring in social science with an emphasis in sociology who have a "B" average in sociology and with the permission of the departmental chairman and the instructor. (Offered when interest is expressed and departmental resources permit.)

**SOC 195, 295, 395, 495. Selected Topics in Sociology**

**3 credits**

An in-depth study of a particular sociological topic. Such subjects may include the sociology of developing nations, community power, social movements, and utopian societies. Prerequisite: Six semester hours of sociology (including SOC 105) or permission of the department chair. (Offered when interest is expressed and departmental resources permit.)

## SPANISH

### DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES

JILL MOYER SUNDAY, M.A., CHAIR

The Spanish program at Waynesburg University is designed to offer students study in the language along with an immersion experience in Seville, Spain (Semester in Spain). Students are required to take at least six credits of Spanish on campus before participating in the study abroad program. Students must also take a placement exam before beginning their program at Waynesburg to determine proper placement. In order to finish the minor, students must successfully complete 21 hours of Spanish with at least six (6) hours of college level instruction outside of the study abroad credits. Students can choose between study abroad programs in Spain or in Costa Rica according to their own interests and needs. Both programs offer service opportunities and also prepare students for service trips to Spanish speaking countries.

The Spanish program is committed to empower students with the linguistic and cultural skills that will allow them to succeed in the 21st century. In order to achieve this goal, the Spanish program has delineated the following outcomes:

- Help students, especially those who have completed the basic and intermediate cycle of classes on campus, reach a level of proficiency that corresponds with the ACTFL guidelines for the intermediate-high/advanced-low level.
- Allow students to develop an enduring respect for Judeo-Christian values, a commitment to service, and a foundation of life-long learning.
- Encourage students to recognize lifestyles, traditions, and rituals of diverse cultures.
- Develop the students' ability to communicate in an interpersonal and presentational manner using Spanish.
- Develop the students' ability to interpret texts (oral and written) in Spanish.
- Equip students with the necessary linguistic skills that allow them to take a substantial number of content classes during their study abroad experience.
- Guide students through the selection process for content classes in their study abroad semester.
- Recognizing the importance of cultural literacy, the Spanish program strives to develop interdisciplinary classes at the intermediate and advanced levels that invite students to make connections between Latin America, Spain, and the United States.
- Particularly at the intermediate and advanced levels, the program intends to expose students to the most significant episodes of historical and political relations between Latin America and the United States.
- The program expects to allow students to gain knowledge about laws, technology, and economics in Latin America and Spain.
- The program is committed to the development of critical thinking skills that use Spanish as the fundamental language of communication and integrate cultural difference.
- The Spanish program encourages students to make connections between service options domestically and abroad, the different facets of Hispanic culture, and interpersonal, interpretive and presentational communication in Spanish.

## SPANISH MINOR

### Required Courses

Department	Course Number	Credits	Course Title
SPN	101	3	Elementary Spanish I
	102	3	Elementary Spanish II
	201	3	Intermediate Spanish I
	202	3	Intermediate Spanish II
	305	3	Advanced Grammar and Conversation in Spanish
	306	3	Topics in Spanish Literature I or SPN 307, Topics in Spanish Literature II
	8 – 16		Study Abroad in Spain
	21**		Minimum credits required for this minor.

\*\* Dependent upon placement exam results or credit for AP, CLEP, or high school courses.

## SPANISH COURSE OFFERINGS

### SPN 101-102. Elementary Spanish I and II

**3-3 credits**

A systematic introduction to Spanish grammar and vocabulary. The course includes writing, listening, speaking, and reading in Spanish. Assumes no previous knowledge of Spanish. SPN 101 is a prerequisite for SPN 102. Fall-Spring

### SPN 201-202. Intermediate Spanish I and II

**3 credits**

Review in grammar and practice in reading, writing, listening, and speaking. Readings taken from literature, newspapers, and magazines. Emphasis on practical conversational Spanish. Prerequisite: SPN 102 or 104. SPN 201 is a prerequisite for SPN 202. First and second semesters. (Offered when interest is expressed and departmental resources permit.)

### SPN 305. Advanced Composition and Conversation in Spanish

**3 credits**

This course exposes the student to techniques of writing and speaking for a variety of formal and informal needs. Special advanced topics in grammar are presented which aid the production of clear, effective writing and speaking. Prerequisite: SPN 202 or placement. (Offered when interest is expressed and departmental resources permit.)

**SPN 306. Topics in Spanish Literature I**

**3 credits**

This course presents topics and major authors from Spanish Literature. The topics of this course will vary. This course will meet the General Education literature requirement. Prerequisite: SPN 202 or placement. (Offered when interest is expressed and departmental resources permit.)

**SPN 307. Topics in Spanish Literature II**

**3 credits**

This course presents topics and major authors from Spanish Literature. The topics of this course will vary. This course will meet the General Education literature requirement. Prerequisite: SPN 202 or placement. (Offered when interest is expressed and departmental resources permit.)

**SPN 195, 295, 395, 495. Special Topics**

**3 credits**

## SPORTS MEDIA

### DEPARTMENT OF COMMUNICATION

RICHARD L. KRAUSE, M.A., M.S.J., CHAIR

To study sports media is to study the messages that professional and college sports teams and media outlets use to inform their target audiences through use of print and broadcast media and the emerging communication technologies, such as social media. The sports media major offers students two areas of study leading to the Bachelor of Arts degree: sports announcing and sports information/athletic communications. The objectives of the Sports Media major are to advance student skills in the areas of writing, editing, speaking/delivery, and social media production; to provide students with technical knowledge and experience in the fields of print and broadcast journalism, advertising, public relations, and the visual arts; to develop students' critical thinking skills so that they become thoughtful producers and consumers of media; and, to prepare students for graduate study in a related field of communication.

It is expected that a student in the sports media major program will complete field-related experiences, which may come from one or more of the following areas: the Yellow Jacket, WCYJ-FM, WCTV, the Waynesburg University Sports Network, the Sports Information Office, the Public Relations Student Society of America chapter, the Design Group, or any other field-related activity approved by the Department of Communication.

*Note: In addition to completing the following required courses, students must fulfill the General Education Requirements listed on pages 63-64. Major requirements and/or General Education Requirements may be changed by official action of the faculty.*

*Under "Recommended Sequence" below, a number indicates the year during which it is recommended that the course be taken (i.e., 1-first year; 2-second year, etc.); a letter indicates that the course should be taken during a particular semester (i.e., F-Fall; S-Spring). This is a recommended sequence which will be individualized based on the course rotation schedule and in consultation with the faculty advisor.*

## SPORTS MEDIA MAJOR (SPORTS ANNOUNCING OPTION)

### Required Courses

Department	Course		Course Title	Recommended Sequence
	Number	Credits		Year/Semester
Communication Core:				
COM	105	3	Understanding Media.....	1F
	109	3	Multimedia I .....	1
	126	3	Principles of Design.....	1
	209	3	Photography I.....	2 or 3
	211	3	News Writing and Reporting .....	2
	215	3	Web Production .....	2 or 3

COM	228	3	Business and Professional Speaking .....	2 or 3
	317	3	Communication Law.....	3
	326	3	Social Media Production.....	3
	329	3	Cross Cultural Communication.....	3 or 4
	438	3	Communication Theory and Research .....	4F
	465	3	Internship .....	4
	466	3	Practicum .....	4F
<b>Announcing Courses:</b>				
COM	101	3	Introduction to Electronic Media .....	1F
	110	3	Fundamentals of Television.....	1S
	127	3	Sports Announcing I.....	1S
	205	3	Sports Writing.....	2F
	207	3	Announcing .....	2F or 3F
	305	3	Sports Information Management .....	2S or 3S
	327	3	Sports Announcing II.....	3F
	345	3	Advanced Field Reporting .....	3S or 4S
	346	3	Sports Announcing Seminar .....	3F
	436	3	History of Broadcasting.....	3S or 4S
MKT	205	3	Marketing.....	2 or 3
			or MKT 207, Integrated Marketing	
	72		Credits for this major; prerequisite courses may be necessary, and the General Education Requirements must be completed (see pages 63-64).	

## SPORTS MEDIA MAJOR (SPORTS INFORMATION/ATHLETIC COMMUNICATIONS OPTION)

### Required Courses

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
<b>Communication Core:</b>				
COM	105	3	Understanding Media.....	1F
	109	3	Multimedia I .....	1
	126	3	Principles of Design.....	1
	209	3	Photography I.....	2 or 3
	211	3	News Writing and Reporting .....	2
	215	3	Web Production .....	2 or 3
	228	3	Business and Professional Speaking .....	2 or 3
	317	3	Communication Law.....	3
	326	3	Social Media Production.....	3
	329	3	Cross Cultural Communication.....	3 or 4
	438	3	Communication Theory and Research .....	4F
	465	3	Internship .....	4
	466	3	Practicum .....	4F
<b>Sports Information/Athletic Communications Courses:</b>				
COM	101	3	Introduction to Electronic Media .....	1
	127	3	Sports Announcing I.....	1S
	137	3	Introduction to Public Relations .....	1S
	205	3	Sports Writing.....	2F
	206	3	Videography .....	2F or 3F
	216	3	Introduction to Sports Management.....	2F or 3F
	305	3	Sports Information Management .....	3S

COM	308	3	Document Design .....3 or COM 315, Web Design
	338	3	Non-profit Public Relations and Fundraising.....3F or 4F
	437	3	Special Events Planning.....3S or 4S
MKT	205	3	Marketing.....2 or 3 or MKT 207, Integrated Marketing
	72		Credits for this major; prerequisite courses may be necessary, and the General Education Requirements must be completed (see pages 63-64).

## THEATRE

DEPARTMENT OF FINE ARTS

ANDREW N. HEISEY, M.A., M.S.J., CHAIR

### THEATRE MINOR

#### Required Courses

Department	Course Number	Credits	Course Title
THE	105	3	Introduction to Theatre
	201	3	Acting for the Stage I
	202	3	Acting for the Stage II
	215	3	Theatre History I or THE 216, Theatre History II
	297	1-3	Directed Theatre Activities
	305	3	Directing for the Stage
	—	3	Any Theatre course
		19-21	Credits for this minor

### THEATRE COURSE OFFERINGS

#### **THE 105. Introduction to Theatre (Lecture course) 3 credits**

An introduction to the elements and experience of live theatre and representative genres of dramatic literature. Lab hours, which may involve attending, acting in, or ushering for a live theatre production or assisting with construction, box office, or stage crew for a campus production are required as an introduction to the experience of theatre.

#### **THE 107. Church Drama: Performance 1 credit**

This course will develop a troupe of traveling players, THE KING'S COURT, who will present a variety of scenes, monologues, and readings for churches, community groups, schools, and college functions. The main focus of THE KNIGHT'S COURT is to communicate the Christian message through drama. Students will be expected to participate in on- and off-campus performances. This course DOES NOT fulfill the General Education requirements for a religion course. May be repeated up to 3 credits. (Offered when interest is expressed and departmental resources permit.)

#### **THE 201. Acting for the Stage I 3 credits**

Studio course in which students will explore the process of acting. Rehearsal techniques of improvisation, physical and vocal development and expression, and character analysis will be examined through scene work and classroom performance of dramatic texts. (Fall of even numbered years)

#### **THE 202. Acting for the Stage II 3 credits**

Studio course in which students will learn techniques of script analysis and character development through written work and classroom performance of dramatic texts. Prerequisite: THE 201 or the department chair's permission. (Spring of odd numbered years)

#### **THE 208. Musical Theatre History 3 credits**



Survey of the history and evolution of musical theatre through identification and discussion of landmark productions and artists that have influenced its development. The relationship among libretto, score, and lyrics will be examined using examples of 20th-century American and British musicals. (Spring of even numbered years)

**THE 215. Theatre History I**

**3 credits**

Survey of the theory and drama that have defined history from the Greeks to the 18th century. The evolution of theatre technology and architecture, conventions, and literature from these periods will be examined as well as a study of the relationship between theatre and the social and aesthetic values of its time. (Offered when interest is expressed and departmental resources permit.)

**THE 216. Theatre History II**

**3 credits**

Survey of the theory and drama that have defined history from the 18th century to the present. The evolution of theatre technology and architecture, conventions, and literature from these periods will be examined as well as a study of the relationship between theatre and the social and aesthetic values of its time. (Offered when interest is expressed and departmental resources permit.)

**THE 250. Liturgical Drama**

**3 credits**

This lecture/performance course examines the Bible and other works as drama and dramatic literature. It discusses many characters and stories found in the Bible from a dramatic and theatrical perspective. The course also examines the worship service, looking at the avenue that Theatre can take in enhancing the worship experience. This course DOES NOT fulfill the General Education requirements for literature or religion courses. (Offered when interest is expressed and departmental resources permit.)

**THE 297. Directed Theatre Activities**

**1-3 credits**

Students will independently explore specific challenges of an advanced nature in playwriting, acting, design, and management. In conjunction with production work, students will solve problems associated with the area of concentration. May be taken for a maximum of three credits. Prior work on campus productions and department chair permission required.

**THE 305. Directing for the Stage**

**3 credits**

Studio course in which students will explore the process of directing. Script analysis, staging and actor coaching techniques, and planning and organization strategies will be examined using a case-study script. Students will prepare a scene for classroom performance. (Offered when interest is expressed and departmental resources permit.)

**THE 307. Playwriting**

**3 credits**

Theory and practice of the playwright's craft with a particular emphasis on play analysis. Aristotle's elements of drama will be used as the student works through the premise, the scenario, the dialogue, and the drafts. (Fall of odd numbered years)

**THE 366. The History of Film (Cross-listed as COM 336)**

**3 credits**

A survey of the development of film from the early twentieth century through the 1960s this course provides an understanding of cinematic form through the international survey of acknowledged classics of the past. This course meets the film requirement in the General Education curriculum and serves as 3 credits toward the Theatre Minor. (Fall of even numbered years)

**THE 195, 295, 395. Special Topics in Theatre**

**3 credits**

A study of particular topics important to the theatre. These include various genres of drama and areas of interest in technical theatre, performance, production, and management. The course may be taken once for the minor, but it may be taken as often as the student's schedule permits. (Offered when interest is expressed and departmental resources permit.)

## WAYNESBURG EXPERIENCE

### WAYNESBURG EXPERIENCE COURSE OFFERINGS

**WBE 097. Academic Mentoring**

**1 credit**

This is a one credit course designed specifically for students who are on Academic Alert, Academic Warning, or Academic Probation, and who have already successfully completed WBE 107, Academic Mentoring. Students meet individually each week with an academic mentor, with whom they create a specific plan to improve their academic

standing. Mentors coach the students in building needed skill areas, and maintain regular contact with students' professors to determine strengths, weaknesses, and recommendations. Though it can be repeated multiple times, this course does not count towards baccalaureate graduation requirements and is graded pass/fail. Prerequisites: WBE 107.

**WBE 105. Career and Life Planning**

**1 credit**

This class is designed to help students decide on a major course of study. Grounded in vocational counseling theory, students will reach an understanding of their skills, values, and personalities by means of self-evaluation; investigate career and major opportunities; and formulate a career plan. First-year students or permission of the department chair.

**WBE 106. Strategies for Academic Success**

**1 credit**

Specific research-based skills are presented in effort to improve the effectiveness of reading, note-taking, memory, and other cognitive abilities. Students are introduced to liberal arts philosophy as they learn academic requirements, University resources, and interpersonal skills that enhance their potential to be well-rounded and academically successful. WBE 106 is graded pass/fail.

**WBE 107. Academic Mentoring**

**1 credit**

This is a one credit course designed specifically for students who are on Academic Alert, Academic Warning, or Academic Probation. Students meet individually each week with an academic mentor, with whom they create a specific plan to improve their academic standing. Mentors coach the students in building needed skill areas, and maintain regular contact with students' professors to determine strengths, weaknesses, and recommendations. A student can only receive a maximum of one credit of WBE 107 towards graduation requirements. As such, a student requiring further mentoring beyond WBE 107 will be placed into the WBE 097 course. WBE 107 is graded pass/fail.

**WBE 108. Fiat Lux**

**1 credit**

An introduction to Waynesburg University and the life of the mind. Students will examine and discuss the structure and goals of the curriculum and the values which guide the University and the academic enterprise and will experience cultural events collectively. Required of all first year students irrespective of college credit earned during high school. Transfer students who have accumulated 12 or more college credits after high school are exempt. Fall

**WBE 109. Fiat Lux Student Mentorship**

**1 credit**

This is a one credit class designed for those undergraduate students selected to act as mentors for the Fiat Lux program. Undergraduate students serve as mentors for freshmen enrolled in WBE 108, Fiat Lux. Mentors assist the Fiat Lux instructor in presenting topics chosen by the instructor to individual Fiat Lux sections. Participation in the annual freshman trip is desired but not required. Only those students who have complete a minimum of 25 semester hours at Waynesburg University with an overall grade point average of 3.00 or above are eligible for selection. Grading for this course will be on a pass/fail basis. Students are not permitted to take this course as an audit. Students may serve as mentors for no more than three semesters for credit. Student may only register for this course with the approval of the Fiat Lux instructor and the Director of Fiat Lux. (Offered when interest is expressed and departmental resources permit.)

**WBE 405. Professional Development Workshop**

**1 credit**

The Professional Development Workshop is an elective, one-credit class for graduating seniors and second semester juniors in all disciplines. A weekly series of workshops will be presented to help students better prepare for their transition from college to career by enhancing the professional development skills necessary to be successful in today's competitive employment market. Guest speakers will be invited to campus to speak on specific topics. One one-hour lecture each week. Prerequisite: open to seniors or second semester juniors. May only be taken once.

## WAYNESBURG UNIVERSITY HONORS PROGRAM

WILLIAM G. BATCHELDER, PH.D., DIRECTOR

### MISSION STATEMENT

The Waynesburg University Honors Program exists to foster the further development of students who have demonstrated a commitment to academic excellence. Through enhanced learning opportunities both in and out of the classroom, the Honors Program seeks to develop the intellect of such students by emphasizing the pursuit of intellectual

curiosity, reflective and meditative engagement with significant texts, and critical thinking across the disciplines. The goal of the program is the intellectual development of engaged and thoughtful Christian leaders through the pursuit of a challenging liberal arts experience.

Through a course of study emphasizing rigorous academic and experiential inquiry, Honors Students may complete the program through a combination of traditional coursework and opportunities outside the classroom. These include interdisciplinary projects, Honors Colloquia, campus leadership, and independent research, among many others. These opportunities are designed to foster the curiosity and critical thinking skills of Honors Students, and to build a community of scholars. The Honors Program at Waynesburg University serves as a model of and laboratory for excellence in interdisciplinary learning, service to the community, intercultural awareness, and leadership development.

### **Requirements for Acceptance and Progression**

#### **Entering First Year Students**

- Students with a high school GPA of at least 3.50 and a minimum combined SAT score of 1200 or a 25 ACT score will be invited to apply to the Honors Program.
- Applications will be reviewed by the Honors Program Director and the Honors Advisory Board.
- All students admitted to the Stover Scholar Program shall apply to Honors, and then be automatically admitted.

#### **Enrolled and Transfer Student Admission**

- Students with a GPA of at least 3.50 at the end of their first or second semester at Waynesburg University are invited to apply to the Honors Program. Inquiries should be made to the Honors Program Director.
- Applications will be reviewed by the Honors Program Director and the Honors Advisory Board.
- The Academic Points required of a student transferring into the program after his or her first semester may be adjusted slightly at the discretion of the Honors Program Director.

### **Progression Policy**

- Honors Students must maintain a GPA of 3.50 at all times throughout their undergraduate career.
- Honors Students must complete the program with a cumulative GPA of 3.50 or better.
- Honors Students must complete all Honors required classes and at least two Honors Elective classes, which may also satisfy General Education and or major curriculum requirements.
- Honors Students must earn 18 total Honors Academic Points.
- Honors Students must earn 8 total Honors Experiential Points.

### **Program Objectives**

- The Program allows all qualified students to participate. The flexible points system allows students, in consultation with their advisors, to meet the requirements of the Honors Program in a way that is compatible with the schedule of their major.
- The Program fosters an Honors culture in which honors students experience enriching intellectual experiences both in and out of the classroom.
- The Program encourages Honors Students to be thought leaders on campus. Honors Students should not “put their light under a basket” (Matt 5:15). While scholarship is of the first importance, Honors Students will be deeply involved in all aspects of campus life.

### **Fulfilling Honors Requirements: The Points System**

The points system is designed to balance the three key objectives of the Honors Program. In order to graduate with the Honors cord and Honors designation on their diploma and transcripts, Honors Students will be required to accrue a total of 30 Honors Points from both academic and experiential categories:

- 18 of the Honors Points shall be designated “Academic Points.”
- 8 of the Honors Points shall be designated “Experiential Points.”

Students must meet with the Honors Program Director once a year to track their progress in accruing the appropriate number of points. No less than six points should be earned in any year a student is in the Honors Program. Students are required to submit an Honors Points Sheet for every point claimed.

### **Honors Academic Points (complete 18 total)**

#### ***Required Honors Courses (1 Academic Point each)***

In their Freshman year, Honors Students are required to take Honors Fiat Lux (WBE 108H) in the Fall semester and Critical Inquiry for Honors Students (HON 105) in the Spring semester.

WBE 108H (1 Credit) Honors Fiat Lux (1 Academic Point)

- This course is an Honors only section of Fiat Lux.
- Honors Students will be required to take Honors Fiat Lux during the Fall semester of their freshman year.
- The Honors Program Director may waive Honors Fiat Lux for transfer students and for students joining the Honors Program after their first semester. Such a waiver will reduce the total number of Academic Points required for the successful completion of the Honors Program by one point.

HON 105 (1 Credit) Critical Inquiry for Honors Students (1 Academic Point)

- Honors 105 will focus on the close study of a significant work of scientific, literary or social significance. In HON 105, Honors Students will be introduced to close reading, textual interpretation, basic research tools, and group discussion of significant works in a variety of disciplines.
- Students joining the Honors Program after their freshman year must take HON 105 during their first year in the Honors Program.

ENG 187 (3 credits) Honors College Composition I (3 Academic Points)

ENG 188 (3 credits) Honors College Composition II (3 Academic Points)

- Students who are required to take College Composition will be required to take the Honors College Composition series. ENG 187 is a 3-credit course, which will also earn 3 points towards the required 20 Academic Honors Points. ENG 188 is a 3-credit course, which will earn 3 points toward the required 20 Academic Honors Points.
- Students who transfer into the Honors Program and are admitted at the end of their first semester, and who have begun the composition series with ENG 101, must submit a writing sample, be approved, and meet with the chair of the English Department before the new Honors Student can be admitted to ENG 188. Should a student transferring into the Honors Program not admitted to ENG 188, he or she may continue in ENG 102 with no penalty.
- Only students with an AP score allowing them to proficiency out of ENG 187 can automatically be admitted to ENG 188. If a student transferring into the Honors Program only earned an AP score that allowed him or her to proficiency out of ENG 101, this student must go through the above process to be admitted to ENG 188.
- Student who transfer into the Honors course after having already completed ENG 101-102, or students who transfer into the Honors Program having already proficiencied out of ENG 101-102 do not have to take ENG 187-188.

Honors Elective Courses (Academic Points equivalent to course credit)

HON 106 (1 credit) Honors Directed Text Study

- A full-time member of the Waynesburg University Faculty may propose, for review by the Honors Supervisory Board, a 1-credit text study course, enrollment in which shall be restricted to Honors Students. The text or texts under study should be indispensable in the particular faculty member's field, or classics of Christian or humane studies. HON 106 would be primarily a reading course which meets once a week for one semester. May be repeated up to three times for credit.

Honors Research Courses (Academic Points equivalent to course credit)

CHE 399H/FSC 399H

CHE 499H/FSC 499H

For Honors Academic Points Only: Honors students may enroll in research that is designated "Honors".

These students must complete the regular requirements of CHE/FSC 399 (Undergraduate Research) and CHE/FSC 499 (Capstone Research) as well as additional honors requirements from one of the following three options:

Option 1

- 1) One presentation to the ACS of FS Club
- 2) Submission of one testimonial video for the website
- 3) Two presentations of the research
  - a) WU Undergraduate Research Symposium
  - b) National, Regional or local conference

Option 2

- 1) Completion of one additional hour of research per credit
- 2) Submission of one testimonial video for the website
- 3) Two presentations of research

- a) WU Undergraduate Research Symposium
- b) National, Regional or local conference

Option 3

- 1) Completion of a summer research project at Waynesburg University
- 2) Submission of one testimonial video for the website
- 3) Two presentations of research
  - a) WU Undergraduate Research Symposium
  - b) National, Regional or local conference

Honors Sections of Existing Courses (up to 4 Academic points per course)

Honors Students will be required to take at least 2 Honors sections from a variety of 3 or 4 credit courses.

- These honors-designated sections will be available to Honors Students only, and may be drawn from any course in any department as listed in the Academic Catalog.
- The Honors sections will rotate in order to include required classes for the majority of majors. However, the Honors Students are highly encouraged to take Honors courses in areas outside their major, towards a goal of a broad, liberal arts education.

Honors 495 (3 credits) Special Topics in Honors (3 Academic Points)

- HON 495 requires advanced study of particular topics, rotated throughout the curriculum. Course registration is restricted to Honors Students. (Offered when interest is expressed and resources permit.)

WBE 405 (1 credit) Professional Development Workshop (1 Academic Point)

- This course is a Professional Development Workshop in the spring semester of the junior year.
- Please note, this is not a Honors-only course section. Any section of WBE 405 can be taken by Honors Students for 1 Honors Academic Point.

General information regarding Honors Courses

- Honors Students are eligible for priority registration.
- Honors Students must receive approval from their Academic Advisor and the Honors Program Director to register for Honors courses.
- Academic Points will be equal to the number of credit hours of the course, e.g., a 3 credit class earns 3 Academic Points and a 4 credit lab course earns 4 Academic Points.
- Honors Elective Courses and Special Topics Courses and Instructors will be chosen by the Honors Program Director in consultation with the Honors Advisory Board and the Office of Academic Affairs.
- Honors courses will be designated as such on the transcript. To receive Honors credit, a student must earn a B- or above in the course. Lower grades will result in course credit, but not Honors credit.
- The goal of an Honors course is to provide a challenging and engaging learning environment in which Honors Students can engage in critical thinking within a community of scholars. Honors courses encourage initiative and independence, integration of learning, and close collaboration among students and faculty.

### Other Activities Earning Honors Academic Points

The Honors Program also values academic work done outside the classroom. Students may also earn Honors Academic Points by undertaking the following:

Honors Academic Colloquia (1 Academic Point per year, 4 Academic Points maximum)

- Active participation in 6 Academic Colloquia in one academic year.
- Academic Colloquia will be specially designated sessions taught on diverse topics by both faculty and outside speakers. Students will be given brief preparatory reading in advance of each Colloquium, and will be expected to actively participate in Colloquium discussion.
- Participation in Colloquia will be confirmed by sign-in, but credit for participation will be at the discretion of the Honors Program Director based on active participation.
- All Honors Students must earn at least 1 Academic Point by fulfilling this requirement.

Academic Speakers (1 Academic Point per year, 4 Academic Points maximum)

- Attendance and participation (where participation is possible) in 3 campus wide academic speakers in one academic year.
- Honors Students are expected to be deeply involved in the intellectual life of the campus. Students should be aware of programs which regularly bring speakers to Waynesburg University, including The De Vito lecture series, the Stover Center for Constitutional Studies and Moral Leadership, the Crosby Lecture Series, the b.f.

maiz lecture series, and similar approved academic lectures to be determined by the Honors Program Director.

- Participation confirmed by sign-in sheet, but credit for participation will be at the discretion of the Honors Program Director based on active participation.

Multidisciplinary Group Project (up to 3 Academic Points per year, 3 Academic Points maximum)

- Devising and completing a multi-disciplinary, group academic project.
- Such projects involve Honors Students from more than one discipline working on a project requiring skills derived from diverse fields of study.
- Interested Honors Students are responsible for devising these projects, recruiting participants, and for finding a faculty advisor to oversee them.
- Such projects must be approved by the Honors Program Director, and must be completed to the satisfaction of the faculty advisor and the Honors Program Director in order to earn points.
- These projects may run for one semester, or in the case of the most ambitious projects, for one full academic year.
- The projects may include a service component, provided there is a rigorous multi-disciplinary academic component.
- Academic Points awarded may vary depending on scale, complexity, and success of the project, but no more than 3 Academic Points may be awarded.

Senior Honors Project (1 Academic Point)

- Successful completion and presentation of a capstone Senior Honors Project
- Most majors at Waynesburg University require a senior project. Honors Students may offer an in-depth presentation of that project to their honors peers for 1 Academic Point.
- In the absence of the Honors capstone project, students may complete and present a senior honors project (HON 499).

Application to a nationally competitive scholarship (1 Academic Point)

- Application to the following nationally competitive scholarships: Rhodes, Goldwater, Fulbright, Marshall, and Truman.
- The Honors Program Director will award points based on an evaluation of the quality of the application.

Successful completion of a minor (1 Academic Point)

Successful completion of a double major (1 Academic Point)

- Any double major must be reviewed by the Honors Program Director in consultation with the Director of the Center for Student Services.

Successful completion of a semester study abroad (1 Academic Point)

- Study abroad plan must be approved by the Honors Program Director.

Publication in a refereed journal (up to 2 Academic Points)

- Publication must be reviewed and approved by the Honors Program Director.

Completion of a grant proposal (1 Academic Point)

- Successful completion of a grant proposal and administration of the funds secured.
- Must be reviewed and approved by the Honors Program Director.

Podium Presentation of original student research at the Waynesburg Undergraduate Research and Scholarly Work Symposium (1 Academic Point, 2 Academic Points Maximum)

- Presentation must be reviewed and approved by the Honors Program Director.

Attendance at an academic conference (1 Academic Point)

- Attendance must be reviewed and approved by the Honors Program Director.

Presentation at an academic conference (up to 2 Academic Points)

- Presentation must be approved by the Honors Program Director.
- Poster presentation 1 Academic Point.
- Lecture presentation 2 Academic Points.

Successful completion of an international internship (1 Academic Point)

- Internship completion must be reviewed and approved by the Honors Program Director.

Participation in an Honors Enrichment Trip (1 Academic Point, 1 Academic Point Maximum)

- As Honors Program resources permit and opportunities arise, Honors Enrichment Excursions may be organized to help honors students experience some institution or event of great cultural significance, i.e., an art museum, travelling exhibition, orchestral performance, or similar event.

#### Honors Experiential Points (complete 8 total)

Honors Experiential Points will be awarded for student efforts reflecting full engagement with the liberal arts experience at Waynesburg University. Such efforts should demonstrate a desire to achieve excellence while contributing to the improvement of campus life for everyone at Waynesburg University.

Successful completion of a one-year term as an officer in a campus organization (1 Experiential Point per year, 3 Experiential Points maximum)

- The advisor to the campus organization in question may be asked to verify to the Honors Program Director the successful completion of this service.

Election to the Student Senate (1 Experiential Point per year, 3 Experiential Points maximum)

- Points may be awarded for a role as a Senator or a member of the Executive Board.

Successful participation in an arts event on campus (1 Experiential Point per year)

- Role in a production, or work on a theatrical production as lighting designer, prop master, playwright or other approved role.
- Performer in choir, jazz ensemble or other similar role such as forming a student band and participating in successful on-campus performance.
- Significant leadership role in the curation and presentation of a Fine Arts exhibit.
- Honors students are not entitled to preferential treatment in assignment of performing solos, leading roles, or other roles of this kind.
- The advisor to the arts production or organization in question may be asked to verify to the Honors Program Director the successful completion of this service to the Honors Program Director, who will review and approve the participation.

Campus Media Leadership (1 Experiential Point per year)

- Executive Editor of the Yellow Jacket (newspaper)
- General Manager of WCYJ (radio)
- President of PRSSA (public relations)
- Executive Editor of Mad Anthony (yearbook)
- General Manager of WCTV (TV studio)
- Executive Producer of WUSN (our remote operation)
- President, AIGA (design)
- Executive Student Editor of the Muse and Stone
- The advisor of the campus media organization in question may be asked to verify to the Honors Program Director the successful completion of this service.

Campus Media (1 Experiential Point per year)

- Members of the campus media organizations (Yellow Jacket, WCYJ-FM, PRSSA, Mad Anthony, WCTV, WUSN, AIGA, Muse and Stone) will receive 1 experiential point for active and regular participation following a one-year term in a staff, board, or committee position.
- The advisor of the campus organization in question may be asked to verify to the Honors Program Director the successful completion of this service.

Working as a Laboratory Assistant (1 Experiential Point)

- Honors students will work with instructors to help facilitate a rigorous and meaningful lab experience for underclass students. Laboratories could range from freshman to senior level, but the honors student may not simultaneously be enrolled in the course and must have completed required prerequisite work as deemed necessary by the instructor with consultation from the department chair.
- Honors students will work individually with laboratory students during each lab session and aid the instructor with any needed preparations during the lab.
- Honors students must complete an exit interview with the Department Chair.

Volunteering for Scientific Activities (1 Experiential Point)

- Volunteer with the Waynesburg University ACS Student Chapter and complete the following:

- Volunteer at two homeschool labs
- Lead one demonstration at the Haunted Lab
- Volunteer for one day of ChemFest
- Plan one social event
- Serve as a STEAM Camp or CSI Camp Counselor
- Volunteer with the FS Club and complete the following:
  - Volunteer at one Community Service Event
  - Volunteer for Science Day in an FS Capacity
  - Plan one FS Club social event

OR

- Serve as an upper-class mentor to freshman FS majors
- Work with FS and CJ faculty to assist in the planning of Mock Crime Scene (limited to Juniors or Seniors who have previously participated in the event).

Bonner Scholar Program (4 Experiential Point maximum)

- Bonner Scholars will receive 4 points over four years for successfully maintaining the standards of the Bonner program.
- The advisor to the campus organization in question may be asked to verify to the Honors Program Director the successful completion of this service.

Stover Scholars Program (1 Experiential Point maximum)

- Stover Scholars will receive 1 point over four years for successfully maintaining the standards of the Stover Scholars Program.
- The advisor to the campus organization in question may be asked to verify to the Honors Program Director the successful completion of this service.

Peer Tutors (1 Experiential Point per year)

- Knox Learning Center or Writing Center tutors may receive 1 Experiential Point for one year of helping tutor their peers.
- The director of the program in question may be asked to verify to the Honors Program Director the successful completion of this service.

Sports Leadership (1 Experiential Point per year, 2 Experiential Points maximum)

- Students may receive Experiential Points for substantial leadership roles in either NCAA or club sports (e.g., Student Athletic Advisory Committee).
- The advisor of the campus organization in question may be asked to verify to the Honors Program Director the successful completion of this service.

Varsity Sports (1 Experiential Point per year, 3 Experiential Points maximum)

- Students may receive 1 Experiential Point Per year, for a maximum of 3 Points, for actively competing in a Varsity Sport.

Praise Band (1 Experiential Point per year)

- Members of the University Praise Band will receive 1 Experiential Point for active and regular participation during one year of participation.
- The advisor of the campus organization in question may be asked to verify to the Honors Program Director the successful completion of this service.

Participation in a missions/service trip (1 Experiential Point per year, 3 Experiential Points maximum)

- Successful participation in a missions/service trip. The faculty or staff leader for that particular trip may be asked to verify to the Honors Program Director the successful completion of this service.

Student Administrative assistant to the Undergraduate Research and Scholarly Work Symposium (1 Experiential Point maximum)

- Assist the Waynesburg University Undergraduate Research Coordinator for two semester to plan, promote, and set up the annual Undergraduate Research and Scholarly Work Symposium.
- The Undergraduate Research Coordinator will be asked to verify to the Honors Program Director the successful completion of this service.

Fiat Lux Mentor (1 Experiential Point per semester served, 2 Experiential Points maximum)

- Successful participation in the Fiat Lux program as a Fiat Lux Mentor to incoming students.



- The Fiat Lux section leader may be asked to verify to the Honors Program Director the successful completion of this service.

Honors Ambassador (1 Experiential Point per year, 2 Experiential Points maximum)

- The Honors Program Ambassador will be a Sophomore, Junior, or Senior Honors Student who will assist the Honors Program Director with the logistics of the Honors Programming, especially colloquia and evening talks, maintaining the Honors Bulletin Board, and other duties as assigned by the Honors Program Director.

Honors Mentor (1 Experiential Point per year, 2 Experiential Points maximum)

- An Honors Student in his or her third or fourth year may participate in mentoring an incoming Honors Student, both in participation in the Honors Program and in general study skills, student life, etc.
- To receive this point an Honors Mentor must show some evidence of actively working with his or her Honors Mentee during the Honors Mentee's first semester.

Honors Service Project (up to 2 Experiential Points per year)

- Design and successfully execute a service project for a group of Honors Students (up to 2 points), subject to review and approval by the Honors Program Director.
- Honors Students who participate in such a service project may earn 1 point.

Ecumenical Awareness (1 Experiential Point per year, 1 Experiential Point maximum)

- Honors Students may design a program of study in which they visit a minimum of five Christian churches of diverse denominations on Sundays over the course of one semester, collect bulletins or other materials from their visit, and compose a five to seven page reflection paper on the similarities and differences in services and doctrine.

Chapel Participation (1 Experiential Point per year, 2 Experiential Points maximum)

- Attendance at eighty percent of Chapel services in one academic year.
- Honors students will be trusted to collect chapel programs for each chapel attended and submit those programs along with the Experiential Points Sheet.

Honors Vocational Exploration (1 Experiential Point per year, 2 Experiential Points maximum)

- These experiences will connect students to potential vocational interests, and include research into career paths. Appropriate professional dress and comportment will be key to the successful completion of such an activity.

Successful completion of a semester study abroad (1 Experiential Point)

- Because of on-campus experiential opportunities forgone by students who undertake a semester of study abroad, 1 experiential point shall also be awarded for semester study abroad.

## **DISCIPLINE AND PROBATION**

### *Probation*

- Honors Students must maintain a *cumulative* 3.50 Grade Point Average.
- An Honors student may have a semester or semesters in which his or her semester Grade Point Average falls below a 3.50. As long as the *cumulative* GPA remains at 3.50, the probation process is not engaged.
- When an Honors Student's cumulative GPA falls below a 3.50, this student will be placed on Honors Probation.
- So long as the student on probation earns a 3.50 semester GPA in the following semester(s), that student will not be removed from the program.
- Probation ends when the cumulative GPA has been returned to a 3.50.
- Honors Students on probation must continue to participate in Honors Program Activities.
- Students failing to accumulate Academic or Experiential Points in accordance with the recommended schedule may be placed on probation. The Honors Program is a long-term intellectual and cultural commitment.

### *Dismissal*

- If the probated student fails to earn a 3.50 semester GPA for two consecutive semesters, that student will be dismissed from the Honors Program.
- If a probated student fails to return to a 3.50 cumulative GPA by the end of the Fall Semester, senior year, that student will be dismissed from the Honors Program.

### *Disciplinary violations*

- Students will be removed from the Honors Program for violations of the Waynesburg University academic integrity policy, major disciplinary infractions resulting in suspension or expulsion, or legal convictions.
- Students will be removed from the Honors Program, after one warning, for violations of the Waynesburg University Honors Program Code of Conduct.
- Removal from the Honors Program may be initiated by the Honors Program Director or by the administration of Waynesburg University.
- Honors Students who face removal from the Program will be notified by email, and will have seven days to appeal to the Honors Advisory Board. A ruling in such matters is reached by majority vote of the Honors Advisory Board and Honors Program Director, and is final.

## HONORS COURSE OFFERINGS

### **HON 105. Critical Inquiry for Honors Students**

**1 credit**

The course will focus on the close study of a significant text or shorter texts of scientific, literary or social significance. In HON 105, Honors Students will be introduced to close reading, textual interpretation, basic research tools, and group discussion of significant works in a variety of disciplines. Spring

### **HON 106. Honors Directed Text Study**

**1 credit**

A full-time member of the Waynesburg University Faculty may propose, for review by the Honors Supervisory Board, a 1-credit text study course, enrollment in which shall be restricted to Honors Students. The text or texts under study should be indispensable in the particular faculty member's field, or classics of Christian or humane studies. HON 106 would be primarily a reading course which meets once a week for one semester. May be repeated up to three times for credit.

### **HON 495. Special Topics in Honors**

**3 credits**

Subject matter to be selected in consultation between the Departments, Honors Program Director, and the Office of Academic Affairs. (Offered when interest is expressed and program resources permit.)

### **HON 499. Senior Honors Project**

**3 credits**

Senior Honors Students in majors without a capstone project may enroll in HON 499. The Honors Student, together with his or her advisor and the Honors Program Director, can design a capstone experience. Experiences that fulfill this requirement include (but are not limited to) experiences such as independent research, student teaching, nursing clinicals, study abroad, and internships. HON 499 must include a presentation to the Honors Director and fellow Honors Student, and if the course designed is anything but an independent research paper, should include a simple portfolio. The Honors Program Director will review each student's work and presentation to determine the successful completion of this requirement.

# GRADUATE AND PROFESSIONAL STUDIES

## 2021-2022 Academic Calendar for Graduate and Professional Studies “The University’s 173rd Year”

### Fall 2021

Session	Start	End
Fall I; 5-week	Monday, August 23	Saturday, September 25
Fall II; 5-week	Monday, September 27	Saturday, October 30
Fall III; 5-week	Monday, November 1	Saturday, December 4
Fall I; 8-week	Monday, August 23	Saturday, October 16
Fall II; 8-week	Monday, October 18	Saturday, December 11
Fall; 16-week	Monday, August 23	Saturday, December 11

### Spring 2022

Session	Start	End
Spring I; 5-week	Monday, January 10	Saturday, February 12
Spring II; 5-week	Monday, February 14	Saturday, March 19
Spring III; 5-week	Monday, March 21	Saturday, April 23
Spring I; 8-week	Monday, January 10	Saturday, March 5
Spring II; 8-week	Monday, March 7	Saturday, April 30
Spring; 16-week	Monday, January 10	Saturday, April 30

*Commencement — Sunday, May 1*

### Summer 2022

Session	Start	End
Summer I; 5-week	Monday, May 2	Saturday, June 4
Summer II; 5-week	Monday, June 6	Saturday, July 11
Summer III; 5-week	Monday, July 11	Saturday, August 13
Summer I; 7-week	Monday, May 9	Saturday, June 25
Summer II; 7-week	Monday, June 27	Saturday, August 13
Summer; 14-week	Monday, May 9	Saturday, August 13

## 2022-2023 Academic Calendar for Graduate and Professional Studies “The University’s 174th Year”

### Fall 2022

Session	Start	End
Fall I; 5-week	Monday, August 29	Saturday, October 1
Fall II; 5-week	Monday, October 3	Saturday, November 5
Fall III; 5-week	Monday, November 7	Saturday, December 10
Fall I; 8-week	Monday, August 29	Saturday, October 22
Fall II; 8-week	Monday, October 24	Saturday, December 17
Fall; 16-week	Monday, August 29	Saturday, December 17

**Spring 2023****Session****Start****End**

Spring I; 5-week

Monday, January 16

Saturday, February 18

Spring II; 5-week

Monday, February 20

Saturday, March 2

Spring III; 5-week

Monday, March 27

Saturday, April 29

Spring I; 8-week

Monday, January 16

Saturday, March 11

Spring II; 8-week

Monday, March 13

Saturday, May 6

Spring; 16-week

Monday, January 16

Saturday, May 6

***Commencement — Sunday, May 7*****Summer 2023****Session****Start****End**

Summer I; 5-week

Monday, May 8

Saturday, June 10

Summer II; 5-week

Monday, June 12

Saturday, July 15

Summer III; 5-week

Monday, July 17

Saturday, August 19

Summer I; 7-week

Monday, May 15

Saturday, July 1

Summer II; 7-week

Monday, July 3

Saturday, August 19

Summer; 14-week

Monday, May 15

Saturday, August 19

## GRADUATE AND PROFESSIONAL STUDIES

The Graduate and Professional Studies Division of Waynesburg University was founded in 1997, and the first off-campus center was established in the South Hills of Pittsburgh. Initially, GPS consisted of an undergraduate degree completion program in business as well as an RN to BSN program. The Master of Business Administration Program was founded in 1981, focused on servicing the needs of adult students in this region. Waynesburg then developed and implemented a Master of Education program in 2001 and followed with a Master of Science in Nursing program in 2002. The Graduate and Professional Studies (GPS) Division added a fourth discipline in 2004 with a Master of Arts in counseling program. The first doctoral program was established in 2007, and Waynesburg became one of the first universities in the state of Pennsylvania to offer an accredited Doctor of Nursing Practice program.

Today, Waynesburg University maintains an additional site for graduate and professional studies in Southpointe while also traveling on-site for curriculum delivery in many of the region's hospitals. The majority of the GPS programs are now offered fully online. Waynesburg University continues to be a leader in adult education in the Western Pennsylvania region with a focus on quality academic programs integrated with technology and delivered by expert faculty.

### INTERNATIONAL STUDENTS

Students from all countries are encouraged to apply to Waynesburg University. The diversity these students bring benefits the students, faculty, staff, and community. Waynesburg University offers an atmosphere where the international student can gain a quality education in a caring environment with an international student advisor.

An international student should submit a completed admission application as well as transcripts (translated into English by WES, World Education Services) of all post-secondary educational work including the transcript where the undergraduate degree is conferred. An international student from a non-English speaking country must also submit a copy of his or her TOEFL score report before the application can be considered. In addition, international students must also submit any other admission criteria specified by the specific program for which application is made.

Waynesburg University does not provide financial support for graduate level international students. International students will be asked to provide documentation to support the ability to incur expenses associated with the program including but not limited to travel, tuition, health care, room and board.

Upon receipt and evaluation of all items needed for admission, the University will make an acceptance decision and issue an I-20 (Application for Student Visa) or DS-2019 form. For additional information, feel free to contact the University at [waynesburg.edu](http://waynesburg.edu).

### FINANCIAL INFORMATION – GENERAL UNIVERSITY CHARGES

The following ANNUAL charges are effective August 2021. The University reserves the right to adjust these charges at the beginning of any semester in accordance with prevailing costs.

Tuition for Accelerated RN/BSN Program – per hour .....	400.00
Tuition for Degree Completion (business, criminal justice, professional studies) – per hour .....	500.00
Tuition for Doctor in Nursing Practice (DNP) Program – per hour .....	825.00
Tuition for Doctor of Philosophy (Ph.D.) Program – per hour.....	825.00
Tuition for Evening School – per hour.....	725.00
Tuition for Graduate School (MA in Counseling) – per hour .....	695.00
Tuition for Graduate School (MA in Criminal Investigation, MAT, MBA, MEd, MSAT, MSN) – per hour .....	685.00
Audit fee (except full-time day students) – per hour .....	\$300.00
Checks returned marked “insufficient funds” .....	\$40.00
Departmental Examination Fee – per hour.....	\$80.00
DNP Residency .....	\$60.00
Deferment Fee.....	\$30.00
Late payment fee.....	\$40.00
Late registration fee .....	\$40.00

Portfolio Credit Evaluation Fee – per hour .....	\$80.00
Service Learning Portfolio Credits –	
Graduate and Professional Studies .....	\$60.00

It is not Waynesburg University's policy to mail bills for Graduate-level courses, Evening School programs, or Summer Session classes, as tuition and fees are due in full either upon registration or by the first day of each session.

## FINANCIAL AID

### SATISFACTORY ACADEMIC PROGRESS (SAP) POLICY FOR STUDENTS ENROLLED IN GRADUATE AND PROFESSIONAL STUDIES PROGRAMS

In accordance with the United States Department of Education (USDE), Waynesburg University has established the following Satisfactory Academic Progress (SAP) Policy which will determine whether an otherwise eligible student is making satisfactory academic progress in his/her educational program and thus is eligible to receive financial assistance under Federal Title IV, HEA and institutional aid programs. The University's Registrar's Office will conduct this review at the end of each payment period (semester). All students will be reviewed and evaluated at this time.

#### Policy Requirements

The Waynesburg University Registrar's Office evaluates a student's SAP at the end of each payment period (semester). At this evaluation, the following measurements of a student's academic progress will be reviewed and determined:

- **Grade Point Average (GPA)** – A student, undergraduate or graduate, must achieve a minimum, cumulative grade point average (GPA) at the end of each payment period as set forth in the chart below. Transfer credits will not be considered in the calculation of a student's cumulative GPA.
- **Program Length/Attempted Credits** – Waynesburg University credits attempted cannot exceed one hundred-fifty percent (150%) of the credits required and defined by the University's published length of the specific program. All courses with a grade designated as "I," "W," "WF," "WP," "NG," "NC" or "Pass/Fail" will be counted as credits attempted. Except as noted herein, credits on all repeated courses will be counted as credits attempted. Transfer credits from another institution that are accepted toward the fulfillment of requirements of a Waynesburg University degree will be counted as both credits attempted and credits completed.
- **Pace of Completion** – In order to ensure completion within the maximum time frame that a student is required to complete his or her educational objective at the University, the student must maintain a specific pace of completion. The pace of completion is calculated by dividing cumulative credits completed by cumulative credits attempted (credits completed/credits attempted). To maintain Satisfactory Academic Progress, at the end of each payment period, a student must maintain the cumulative pace of completion set forth in the chart below. The cumulative pace of completion will be measured at the end of each semester. All courses with a grade designated as "I," "W," "WP," "WF," "NG," "NC" or "Pass/Fail" will be counted as credits attempted in determining the student's pace. Transfer credits from another institution that are accepted toward the fulfillment of requirements of a Waynesburg University degree will be counted as both credits attempted and credits completed.

For students enrolled in the following Programs:

*Degree Completion (business, criminal justice, or professional studies)*

Waynesburg University Credit Hours Attempted/Enrolled	Cumulative GPA (grade point average) Requirement	Pace of Completion
1 - 186	2.00	67%

*RN to BSN program:*

Waynesburg University Credit Hours Attempted/Enrolled	Cumulative GPA (grade point average) Requirement	Pace of Completion
1 - 186	3.00	67%

*Master of Business Administration, Master of Arts in Criminal Investigation, and Master of Education (30 credit options)*

Waynesburg University Credit Hours Attempted/Enrolled	Cumulative GPA (grade point average) Requirement	Pace of Completion
1 - 45	3.00	67%

*Master of Science in Nursing, Master of Arts in Teaching, Master of Education, and Doctor of Nursing Practice*

Waynesburg University Credit Hours Attempted/Enrolled	Cumulative GPA (grade point average) Requirement	Pace of Completion
1 - 54	3.00	67%

*Master of Arts in Counseling program:*

Waynesburg University Credit Hours Attempted/ Enrolled	Cumulative GPA (grade point average) Requirement	Pace of Completion
1 - 90	3.00	67%

*Master of Science in Athletic Training:*

Waynesburg University Credit Hours Attempted/Enrolled	Cumulative GPA (grade point average) Requirement	Pace of Completion
1 - 84	3.00	67%

*Dual Master of Arts (in Criminal Investigation)/Master of Business Administration program, Dual Master of Science in Nursing/Master of Business Administration program, and Ph.D. in Counselor Education and Supervision*

Waynesburg University Credit Hours Attempted/ Enrolled	Cumulative GPA (grade point average) Requirement	Pace of Completion
1 - 81	3.00	67%

Students who meet the GPA, maximum program length, and pace of completion requirements will be considered to be in compliance with the University's SAP Policy and thus will maintain Title IV and institutional aid eligibility.

Students who fail to meet the University's SAP standards at the end of a payment period will be placed on "Financial Aid Warning." The student will be notified in writing of this status from the Registrar's Office and will continue to be eligible for Title IV and institutional financial aid for one subsequent payment period. At the end of this payment period, if the student has not met the University's SAP standards, he/she will be notified in writing why he/she has failed to meet the University's Policy and the consequences resulting from this failure (e.g., loss of Title IV and institutional aid eligibility, academic suspension, etc.).

**Appeal Process**

A student who has failed to meet the University's SAP standards has the right to appeal his/her SAP failure. To do so, the student must state in writing the basis of his/her appeal (e.g., death of a relative, injury, illness or other

extraordinary circumstances that prevented the student from attending classes and successfully completing the coursework) and what has or will change that will enable him/her to meet the SAP standards at the next evaluation. This appeal letter must be addressed to the Graduate and Professional Studies Committee c/o Registrar's Office, Waynesburg University, 51 W. College Street, Waynesburg, Pennsylvania, 15370.

The Graduate and Professional Studies Committee will respond in one of the following ways:

- **Appeal approval** – If the appeal is approved, the student will be placed on “Financial Aid Probation” and will be eligible for Title IV and institutional aid for one subsequent payment period. The Graduate and Professional Studies Committee may impose terms and conditions on the student (e.g., taking a reduced course load, mandatory enrollment in specific courses or meeting the requirements of an Academic Plan, etc.). The student is required to submit an approved Remediation Agreement to the Registrar's Office, who will notify the Financial Aid Office accordingly.
- **Appeal denial** – If the appeal is denied, the student will be notified in writing as to the reason (e.g., not able to meet the GPA, program length and/or pace of progression requirements in one term, failure to comply with a previous Academic Plan, etc.) and Title IV and institutional aid eligibility will not be reinstated until the SAP standards are met by the student.
- **Incomplete appeal** – If the student's appeal letter does not meet the University's requirements, it may be returned to the student for further information and/or documentation. Until this is resolved, the student will remain ineligible for Title IV and institutional aid.

A student may appeal his or her SAP failure more than one time. However, if a student who has appealed on the basis of one circumstance wants to appeal again on the basis of the same circumstance, the student must provide information about what has or will change that will enable the student to meet the SAP standards at the next evaluation.

Specific questions regarding SAP and the University's SAP Policy should be directed to the Registrar's Office at 724-852-3252. Questions regarding the financial aid implications or options should be directed to the Financial Aid Office at 724-852-3208.

#### **Other Considerations**

*Repeated Courses* – If a student repeats a course, both attempts will count as cumulative credit hours attempted in determining the student's program length and pace of completion. If a student repeats a course that he or she passed, but did not achieve a minimum course grade required by a specific program, both attempts will count as cumulative credit hours attempted and cumulative credit hours completed in determining the student's program length and pace of completion. For the purpose of Title IV and institutional aid eligibility, a student is permitted to repeat each previously passed course once during his or her academic career at the University. The highest grade obtained will be used to determine the cumulative grade point average.

*Incomplete Grades, “NG” (No Grades) and/or “NC” (No Credit) Marks* – Incomplete grades (“I”) and courses assigned a grade of “NG” or “NC,” will count as credit hours attempted in determining a student's program length and pace of completion. They will not be included in calculating the cumulative grade point average until a letter grade is assigned. Incomplete grades must be completed in the first 8 weeks of the semester (or within the timeframe as outlined on the request for an incomplete grade) following the one in which the work reported incomplete is taken or the incomplete grade is changed to an “F.”

*Grade Change* – The student is responsible for informing the Registrar's Office of a grade change and requesting an immediate reevaluation of progress.

*Medical Incomplete Grade* — Students receiving a Medical Leave of Absence (MLOA) will receive an “IM” (Incomplete Medical) grade for all credit-bearing courses for the semester the MLOA is approved. A grade of IM will not count as credit hours attempted in determining a student's program length and pace of completion.

*Medical Withdrawal Grade* – A grade of WM will not count as credit hours attempted in determining a student's program length and pace of completion.

*Withdrawn Courses* – Courses with a grade designated as W, WP, and WF will be counted as credit hours attempted in determining a student's program length and pace of completion. They will not be counted as credit hours attempted, and only a grade of WF will be included in calculating the cumulative grade point average.

*Transfer Credit* – Courses taken at another institution and accepted by the Registrar for credit toward the educational or degree program of a student will count as credit hours attempted and credit hours completed in determining a student's program length and pace of completion when they are officially recorded on the Waynesburg University transcript. They will not be used in calculating the cumulative grade point average.



*Course Audits* – Audited courses will not be counted as credit hours attempted in determining a student's program length and pace of completion, and they will not be used in calculating the cumulative grade point average.

*Pass/Fail Courses* – If a student elects to take a course graded on a Pass/Fail basis, the course will be counted as credit hours attempted in determining the student's program length and pace of completion. A passing grade will be counted as credit hours completed, but will not be used in grade point average calculations. A failing grade will not be counted as credit hours completed, but will be used in calculating the cumulative grade point average.

*Part-time Enrollment* – The program length, pace of completion and cumulative grade point average requirements described under the Policy Requirements section apply to students enrolled on a part-time basis.

*Readmission* – The progress of students who are readmitted to Waynesburg University after a period of non-enrollment will be evaluated upon readmission using the program length, pace of completion and cumulative grade point average requirements described under the Policy Requirements section, taking into consideration all past and present coursework. With regard to the five year (ten semesters) maximum time frame, periods of non-enrollment will not be considered.

## ACADEMIC PROCEDURES

Academic procedures and policies contained in this section may be changed through official action. These procedures and policies are effective August, 2021.

## REGISTRATION REGULATIONS

The minimum course load for a GPS undergraduate (i.e., degree completion, RN to BSN), full-time student each semester is twelve semester hours. The minimum course load for a GPS graduate, full-time student each semester is nine semester hours. The minimum course load for a GPS doctoral, full-time student each semester is six semester hours. Ph.D. students registered only for their 3.0 credit dissertation are considered to be enrolled in a full-time status.

## CHANGE OF REGISTRATION

A GPS student who wishes to make changes in his or her schedule after initial registration may do so by completing a Drop/Add form or by providing an electronic directive to the appropriate academic advisor or program director. Changes may occur up until the end of the first week of the course. Any student who stops attending a course without filing the appropriate form (e.g., drop/add, withdrawal) receives a failure (F) in the course.

After the drop/add deadline (contact your academic advisor or program director for specific dates), a student may withdraw from a course through the fifth week of an eight-week session. The grade of W will be recorded on the permanent record.

Withdrawal from a course after the fifth week of an eight-week session will result in the assignment of a grade of WP (Withdrew Passing) or WF (Withdrew Failing).

Withdrawal from a course during last week of a particular session is not permitted.

## CHANGE OF ADDRESS/TELEPHONE NUMBER

Each student is required to keep the Registrar, as well as their individual academic advisor or program director, informed as to his or her address and telephone number(s). In order to make the request, please complete the [Change of Name, Address, or Phone](#) form. The link is also available on the myConnect homepage.

## ACADEMIC INTEGRITY POLICY

The principles of truth and honesty are recognized as fundamental to a community of teachers and scholars. The University has a responsibility for maintaining academic integrity to protect the quality of education, research, and co-curricular activities on our campus and to protect those who depend upon our integrity. The following describes how we understand academic integrity at Waynesburg University.

Each member of the University community expects that both faculty and students will honor the principles of academic integrity. Faculty will exercise care in the planning and supervision of academic work, so that honest effort will be positively encouraged. It is the responsibility of the student to refrain from academic dishonesty and from

conduct which aids others in academic dishonesty. This responsibility means that all academic work will be done by the student to whom it is assigned without unauthorized aid of any kind.

If any instance of academic dishonesty is discovered by an instructor, it is his/her responsibility to inform the student in writing of the accusation along with a proposed sanction.

Students found guilty of cheating or plagiarism will normally receive an "F" in either the course or the particular test or assignment, at the faculty member's discretion. Written notice of this finding will be provided by the faculty member to Academic Affairs with a copy to the department chair. In addition, to allow for tracking across multiple departments, the instructor will file an online report of the incident using the MUM Early Alert System.

If the student denies the accusation as charged by the instructor, the matter will be referred within three (3) class days, in writing by the student, to the Academic Standards and Procedures Committee.

The Academic Standards and Procedures Committee will be charged with determining whether the allegation can be substantiated and will report its decision in writing to Academic Affairs, the student, and the faculty member of the outcome. Students or faculty may, within three class days, appeal in writing the decision of the panel to the Provost.

When in the judgment of the Provost, action other than or in addition to a failing grade in the course is warranted, such action, including suspension, dismissal or expulsion, will be determined by the Provost and communicated in writing to the student. Students may, within three class days, appeal in writing such action of the Provost to the President.

#### **Academic Integrity: Student Regulations**

The principles of truth and honesty are recognized as fundamental to a community of scholars. The University expects that students will honor these principles and in so doing protect the validity of the University grading system.

1. No student shall knowingly, without proper authorization, procure, provide or accept any materials which contain questions or answers to any examination or assignment to be given on a subsequent date.
2. No student shall, without proper authorization, complete, in part or in total, any examination or assignment for another person.
3. No student shall, without proper authorization, knowingly allow any examination or assignment to be completed, in part or in total, for him or her by another person.
4. No student shall knowingly plagiarize or copy the work of another and submit it as his or her own.
5. Students shall provide honest effort to provide proper credit for academic resources in accordance with the University catalog, course syllabus, and course assignment.

#### **Academic Integrity: Definitions**

Academic dishonesty includes, but is not limited to:

*Cheating:* Intentionally misrepresenting the source, nature, or other conditions of academic work so as to accrue undeserved credit, or to cooperate with someone else in such misrepresentation of the work of others. As defined, "cheating" includes, but is not limited to:

1. Obtaining or retaining partial or whole copies of examinations, tests, or quizzes before they are distributed for student use.
2. Using notes, textbooks, or other information or equipment (e.g., calculators and other technological devices) in examinations, tests, and quizzes except as expressly permitted.
3. Obtaining confidential information about examinations, tests, or quizzes other than that released by the instructor.
4. Securing, giving, or exchanging information during examinations.
5. Presenting data or other assignments prepared by another person or group as one's own.
6. Falsifying experimental data or information.
7. Having another person take one's place for any academic performance without the specific knowledge and permission of the department chair.
8. Without the express permission of the instructor, submitting work previously submitted for another course.
9. Cooperating with another to do one or more of the above.

*Plagiarism:* Taking and presenting as one's own a material portion of the ideas or words of another or to present as one's own an idea or words derived from an existing source without full and proper credit to the source of the ideas, words, or work. As defined, "plagiarism" includes, but is not limited to:

1. Copying words, sentences, and paragraphs directly from the work of another without proper credit.

2. Copying illustrations, figures, photographs, drawings, models, or other visual and nonverbal material (including recordings) of another without proper credit.
3. Presenting work prepared by another in final or draft form as one's own without citing the source, such as the use of purchased research papers.
4. Taking and presenting another's ideas as one's own.

*Fabrication:* Intentional falsification or invention of any information or citation in an academic exercise.

Fabrication includes but is not limited to:

1. "Invented" information may not be used in any laboratory experiment or other academic exercise without notice to and authorization from the instructor or examiner.
2. Students must acknowledge reliance upon the actual source from which cited information was obtained.

*Facilitating:* Intentionally or knowingly helping or attempting to help another to commit an act of academic dishonesty. Facilitating includes but is not limited to:

1. A student who knowingly allowed another to copy from his or her work would be in violation of this section.
2. Proxy Taking Exam: A student taking an exam by proxy for someone else is an infringement of academic integrity on the part of both the student enrolled in the course and the proxy substitute.

*Bribes, Favors, and/or Threats:* Bribing or attempting to bribe, promising favors to or making threats against any person, with the intention of affecting a record of a grade or evaluation of academic performance. This includes students who conspire with another person who then takes action on behalf of the student.

*Interference and Computer-Related Infractions:*

1. Depriving students of fair access to and reasonable use of educational resources (e.g., computer facilities, electronic data, required/reserved readings, or referenced works).
2. Tampering with, altering, circumventing, or destroying electronic resources or data used for student projects.
3. Computer-related infractions defined by federal laws, state statutes, or contracts with the University (such as unauthorized use of computer licenses, copyrighted materials, intellectual property, or trade secrets).
4. Unauthorized student use of academic or administrative computer resources for non-educational, private, or commercial purposes.

## FINAL GRADE APPEALS

The purpose of the final grade appeal procedure is to serve the needs of students who believe that they are awarded unjust final grades by faculty members. The basis of an appeal is the student's charge that the final grade was awarded through prejudice or caprice. The burden of proof rests with the student. Students must initiate the appeal within the first session following the one in which the course was completed. A written appeal, or electronic submission of [Final Grade Appeal](#), must be submitted to the Registrar for review by the Provost or the Provost's delegate, who may request additional information from the student or the course facilitator. If warranted, the Provost or the Provost's delegate may forward the appeal to the Graduate and Professional Studies Committee for resolution. Both parties (i.e., the student and the course facilitator) will be notified in writing of the outcome of the appeal.

## ACADEMIC PROGRESSION

### MASTER'S PROGRAM

All graduate students are required to have a cumulative grade point average of 3.00 or higher to be eligible to receive a Master's degree from Waynesburg University.

To remain in good standing and progress through the curriculum:

- All courses during the graduate curriculum must be completed with a grade of C (2.00) or higher.
- A student may receive no more than one grade of C or lower during the curriculum.
- A student may repeat a course only one time.
- The student's cumulative grade point average must be at 3.00.

Students' academic performance will be reviewed at the end of each eight-week session. If the student receives a grade of C or lower, a letter of warning will be sent to remind the student of the academic progression policy and standards. If the student's cumulative grade point average falls below 3.00, the student will be placed on probation, and must raise the cumulative grade point average to 3.00 or higher by the completion of the next 6 credits.

### DOCTORAL PROGRAM

All doctoral students are required to have a cumulative grade point average of 3.00 or higher to be eligible to receive a doctoral degree from Waynesburg University.

To remain in good standing, all courses, including any master's level courses taken during the doctoral program, must be completed with a grade of B or higher.

A cumulative grade point average must be at 3.00 in order to progress in the program. A student who receives a failing grade in any doctoral course must repeat the course prior to program progression. A course may be repeated only once. Only one required course in the doctoral program may be repeated.

## REQUIREMENTS FOR GRADUATION

Students who complete their degree requirements within seven years following admission to Waynesburg University will qualify for the degree by fulfilling the requirements in the catalog in effect at the time of their first enrollment. Students who do not complete their degree requirements within seven years may be required to repeat expired coursework, repeat comprehensive exams, and may be dismissed from the program. See specific program information and program guides for details.

## TRANSFER CREDITS

Transfer credit is granted in a manner consistent with University policy. Each course is individually reviewed by the Registrar in consultation with Program Directors and/or members of related University disciplines for judgement concerning transfer of credits. When transfer credits is evaluated, only those courses that fulfill degree requirements will apply.

Waynesburg University will only consider transfer credit for those courses that were completed with a grade of B- or above and that are certified as being applicable toward a comparable degree at the accredited institution that offered the courses. The credits must have been earned within seven years of application to the program.

The following table summarizes the maximum transfer credits, the maximum Alternative Credit Opportunities (ACO), and the maximum total considered by the programs. Please see program pages for more information.

**TRANSFER AND ALTERNATIVE CREDIT OPPORTUNITY (ACO) TABLE**

<b>Program</b>	<b>Maximum Transfer Credits</b>	<b>Maximum ACO</b>	<b>Maximum Total</b>
Athletic Training:			
MSAT	9	0	9
Business:			
MBA	6	6	6
Counseling:			
MA	12	0	12
PhD	12	0	12
Criminal Investigation:			
MA	6	9	9
Education:			

MAT	9	9	9
MEd (30 credit)	6	9	9
MEd (36 credits)	9	9	9
Nursing:			
DNP	6	0	6
MSN	9	0	9
RN to BSN	12	3	12

## ALTERNATIVE CREDIT OPPORTUNITIES (ACO)

### Portfolio Credit

At the request of the student, the University will evaluate previous experience in nontraditional forms of learning for certain programs (see program pages for more information). To be validated for course credit, experiential learning must be comparable in outcomes to the content of courses and experiences, and to the knowledge, insights, and understanding developed through existing college programs. The experiential credit is for the knowledge gained and not for the experience itself, and must correspond with an existing Waynesburg University course. Many students have valuable experiences that do not translate into academic credit.

Any student petitioning for life experience credit is required to submit a portfolio to the appropriate program director. Students are strongly encouraged to meet with the program director prior to submission of the portfolio, which must include at least:

1. Detailed personal resume and job description(s);
2. Identification of the Waynesburg University course title and number for which credit is sought;
3. Student analysis of his or her learning experiences and the knowledge and skills that he or she has gained as it relates to the identified course content; and,
4. Records of Testimony — Verification of the life experience where appropriate. For example, a) letters from supervisors, co-workers, clients, or b) work samples such as artwork, reports, articles, budgets. A detailed set of instructions can be obtained from the Registrar's Office.

In addition to submitting a portfolio, the student may be required to take an examination to verify the life experience learning.

The program director will discuss the portfolio with the student and appropriate faculty members. The program director may recommend that life experience credit be granted, or not be granted, for specific courses offered by that program. A positive recommendation from the program director goes to the Provost or designee for final approval. In the case of a negative recommendation from the program director, the student may submit and appeal, in writing, within three days to the Registrar for consideration by the Graduate and Professional Studies Committee. If the committee decides there is merit to the student's petition, a recommendation for approval will be forwarded to the Provost or designee for final approval.

Portfolio credits in the Graduate and Professional Studies RN to BSN program will be considered in the context of the student's nursing career so that individual disciplines will be evaluated within the scope of how the disciplines are applied in a clinical setting.

A maximum number of credits for experiential learning may be awarded to a student based on the total credits of the program. Please see the Transfer and Alternative Credit Opportunity Table for more information. Experiential learning credits will not be assigned a grade and will not be used to compute the student's grade point average.

A per-credit fee of \$80 will be charged for evaluation of each portfolio.

### Departmental Examination

Credit by Departmental Examination (CDE) may be granted by the University in the absence of appropriate nationally developed proficiency examinations for certain programs (see program pages for more information).

Students wishing to take credit by departmental examination must meet any eligibility requirements established by the program and approved by the Provost or designee. The following criteria govern credit by departmental examination:

1. Program directors, with approval of the Provost, will determine which, if any, courses within the department(s) will be available for credit by departmental examination.
2. The nature of examinations and standards of evaluation for designated courses will be determined by the program director, in consultation with the Provost.
3. Examination for any course can be taken only once.
4. The student wishing to take credit by departmental examination must:
  - a. receive permission from the Provost, program director, and the faculty member currently teaching the course;
  - b. meet any eligibility requirements established by the program and approved by the Provost;
  - c. be enrolled as a degree seeking student during the semester the examination is to be taken;
  - d. have received no transfer credit or grade of audit or withdrawal in the course for which credit by departmental examination is being sought;
  - e. not have previously failed the course for which credit by examination is being sought;
  - f. receive a grade of "C" or better on the examination in order to obtain credit. Credit will be listed on the student transcript as CDE only.
5. After the examination has been taken, the Alternative Credit Opportunities Form shall be filled out by the evaluator, signed by the program director, and forwarded to Academic Affairs.
6. Upon receipt of the completed form and verification of payment (the fee established by the University for credit by departmental examination), the Registrar shall enter the course title and credit earned (CDE) on the student's permanent record. The CDE credits will not be assigned a grade and will not be used to compute the student's grade point average.

## TRANSCRIPTS

Transcripts are provided by the Registrar's Office and are issued only upon the written request of the student. No transcripts will be issued if the student has an outstanding debt at the University. All grades, academic suspension actions, degrees received, and degree honors are included on the transcript.

An official transcript carries the University Seal and an authorized signature. Official transcripts are usually mailed directly to educational institutions, employers, etc. A student may obtain an official transcript for his or her personal use. Each transcript must include the student's complete record at Waynesburg University.

# GPS – ATHLETIC TRAINING

## MASTER OF SCIENCE IN ATHLETIC TRAINING

ANDREW S. PALKO, ED.D., DIRECTOR OF GRADUATE PROGRAMS IN ATHLETIC TRAINING

### MISSION STATEMENT OF THE ATHLETIC TRAINING PROGRAM

The Waynesburg University Athletic Training Program (ATP) seeks to prepare Athletic Training Students (ATS) for successful careers by instilling a comprehensive liberal arts education and in-depth study in Athletic Training. The program provides opportunities for students to achieve balance between academic scholarship and the acquisition of skills necessary for careers in athletic training and the health care field. The curriculum design provides opportunities for the development, synthesis, and demonstration of cognitive competency and professional behavior. The curriculum is guided by the Athletic Training Educational Competencies established by the National Athletic Trainers' Association (NATA) along with the Christian principles on which the University was founded. The NATA Code of Ethics guides our efforts to provide the means, inspiration, and values that will enable our ATSs to pursue successful, productive, and compassionate lives of service.

### ATHLETIC TRAINING PROGRAM PURPOSE, GOALS, AND STUDENT LEARNING OUTCOMES

#### PURPOSE

The purpose of the ATP at Waynesburg University is to prepare students for a career in athletic training that leads to the student fulfillment towards a path of life, leadership, and service with and among others.

#### GOALS

The goals of the ATP are to:

1. Provide an educational program for students desiring to obtain BOC certification.
2. Develop competent and confident students entering the profession of Athletic Training as health care providers.
3. Provide students the ability to practice learned knowledge, skills, and abilities (via didactic coursework) in the clinical setting under direct supervision of qualified healthcare preceptors.
4. Incorporate leadership abilities through the Christian faith by fully engaging in their clinical sites and community services.
5. Provide opportunities for students to participate in the advancement of the athletic training profession.
6. Allow student to compete for scholarly awards, scholarships, and grants.

#### PROGRAM/STUDENT LEARNING OUTCOMES

The students, upon completion of the ATP, will be able to:

1. Demonstrate cognitive and psychomotor competence in the 8 content areas of the Athletic Training Educational Competencies (ATEC).
2. Integrate communication skills, both written and oral, as a health care provider within the larger context of the health care system to be able to work collectively with other health care providers.
3. Assess and construct ethical, moral, and legal behavior as an athletic trainer.
4. Manage patient care (based on their development of knowledge, clinical experience, critical thinking, and evidence-based decision making) to integrate current technological, innovative, and evidence-based approaches to effectively practice with diverse populations in a variety of clinical settings, and with a variety of allied healthcare professionals.
5. Integrate the Christian tradition/mission to pursue a life of leadership, purpose, and service with and among others.
6. Critique and engage in research to enhance the quality of care within athletic training and the healthcare profession.

## ADMISSION REQUIREMENTS

1. B.A. or B.S. degree from an accredited institution of higher education
2. A cumulative 3.00 grade point average (GPA)
3. Completion of graduate application, resume, and two professional references
4. Completion of a Clinical Observation Experience
  - Minimum of 50 hours
    - o Completed on the “Clinical Observation” form included on graduate application
  - Must be completed with a qualified Athletic Trainer who must be BOC credentialed and hold current state licensure or registration.
5. Interview with faculty of the MSAT program

## PREREQUISITES

Student will need to achieve a C or higher in the following pre-requisite courses:

- Biology with lab
- Chemistry with lab
- Physics with lab
- Statistics
- Human Anatomy with lab
- Human Physiology with lab
- Introduction to Psychology
- Exercise Physiology

## GRADUATE NON-DEGREE STUDENTS

1. Acceptance into the Integrated Concurrent 5-year program
2. Completion of all general education requirements prior to acceptance into the MSAT program
3. A cumulative 3.00 GPA
4. C or above in all pre-requisite courses:
  - Biology with lab
  - Chemistry with lab
  - Physics with lab
  - Statistics
  - Human Anatomy with lab
  - Human Physiology with lab
  - Introduction to Psychology
  - Exercise Physiology
5. Completion of graduate application, resume, and two professional references
6. Completion of a Clinical Observation Experience
  - Minimum of 50 hours
    - o Completed on the “Clinical Observation” form included on graduate application
  - Must be completed with a qualified Athletic Trainer who must be BOC credentialed and hold current state licensure or registration.
7. Interview with faculty of the MSAT program

## FINANCIAL AID

Financial Aid is available for students who enroll at least half-time (six credits per semester). This includes eligibility for student Direct Loans. If you have questions regarding financial aid, please contact the Financial Aid Office at 724-852-3208 or email [finaid@waynesburg.edu](mailto:finaid@waynesburg.edu).

1. Student must complete the Free Application for Student Aid (FAFSA) at [www.fafsa.ed.gov](http://www.fafsa.ed.gov).
2. If the student wishes to borrow a federal student loan, he/she must complete Direct Loan Entrance Counseling and a Direct Loan Master Promissory Note (MPN) at [www.StudentLoans.gov](http://www.StudentLoans.gov).



- Students are also asked to complete the Graduate and Professional Studies (GPS) Financial Aid Form.

## DEGREE REQUIREMENTS

In order to graduate and be able to sit for the BOC exam, the student will need to complete the following:

- Maintain NATA membership through the length of the MSAT program
- Complete all courses with a C or better
- Complete all 56 credits within the MSAT program with a cumulative GPA of 3.00
- Complete and pass the practical exam with a 70 percent or higher
- Complete and pass the research project with a 70 percent or higher
- Complete all requirements of the program within a seven (7) year period from start of graduate enrollment.

## CURRICULUM

### REQUIRED COURSES – 56 Credits

Department	Course Number	Credits	Course Title	Recommended Sequence Year/Semester
ATP	507	3	Emergency Care of Athletic Injuries.....	1F
	511	3	Orthopedic Assessment of the Lower Extremity .....	1F
	511L	2	Orthopedic Assessment of the Lower Extremity Laboratory .....	1F
	512	3	Orthopedic Assessment of the Upper Extremity.....	1S
	512L	2	Orthopedic Assessment of the Upper Extremity Laboratory .....	1S
	521	3	Therapeutic Interventions I.....	1F
	521L	2	Therapeutic Interventions I Laboratory.....	1F
	522	3	Therapeutic Interventions II.....	1S
	522L	2	Therapeutic Interventions II Laboratory .....	1S
	525	2	Current Issues in Athletic Training .....	2F
	531	2	Clinical Experience I .....	1F
	532	3	Clinical Experience II .....	1S
	533	5	Clinical Experience III.....	2F
	534	5	Clinical Experience IV.....	2S
	535	3	General Medical Conditions .....	1S
	536	3	Nutrition and Pharmacology .....	2F
	545	3	Organization and Administration.....	2S
	598	1	Research Methods I .....	2F
	599	3	Research Methods II.....	2S

## NOTIFICATION OF ACADEMIC STATUS

Waynesburg University makes every effort to notify students of their academic status. A certified letter is mailed to each graduate student placed on suspension. Since communication by mail may be delayed or misdirected, it is the responsibility of every student to obtain this information. Non-receipt of a letter by a suspended student will not be considered grounds for claiming eligibility to enroll for a subsequent semester.

NOTE: All other policies and procedures outlined by the current Waynesburg University Academic Catalog will be adhered to by the MSAT program. For Financial Aid Satisfactory Academic Progress (SAP) – see Graduate and Professional Studies pages in Academic Catalog and the Student Program Guide.

## ATHLETIC TRAINING GRADUATE COURSE OFFERINGS

### ATP 507. Emergency Care of Athletic Injuries

**3 credits**

This course entails the study of advanced first aid and cardiopulmonary resuscitation to prepare one to respond to emergency situations. Emphasis will be directed towards prevention, first aid treatment, emergency care, and transportation of the sick and injured in an athletic environment. Students receive certification for Health Providers

injured in an athletic environment. Students receive certification for Health Providers CPR and First Aid through the American Red Cross or American Heart Association upon scoring a passing grade indicated by each organization. Two hours of lecture and one two-hour laboratory period each week.

**ATP 511. Orthopedic Assessment of the Lower Extremity 3 credits**

Students will learn techniques used in injury/illness evaluation and assessment. In-depth analysis of the mechanism of injury, anatomy and physiology of the injury, and signs and symptoms associated with the injury/illness. Appropriate process of evaluation, diagnostic testing, documentation and terminology is presented. The focus of injuries for this course includes lower extremity, lumbar spine and hip/pelvis pathologies. Orthopedic neurological and general medical evaluation are included.

**ATP 511L. Orthopedic Assessment of the Lower Extremity Laboratory 2 credits**

This is a laboratory course to compliment Orthopedic Assessment of the Lower Extremity. Students will build skills in performing lower extremity evaluation by Learning appropriate evaluation and testing procedures. Students will also learn how to document, effectively, utilizing appropriate EHR. Emphasis will also be placed on how to code for billing and insurance purposes.

**ATP 512. Orthopedic Assessment of the Upper Extremity 3 credits**

Students will learn techniques used in injury/illness evaluation and assessment. In-depth analysis of the mechanism of injury, anatomy and physiology of the injury, and signs and symptoms associated with the injury/illness. Appropriate process of evaluation, diagnostic testing, documentation and terminology presented. The focus of injuries for this course includes upper extremity, cervical spine and general medical pathologies as well as head and face injury evaluation. Orthopedic, neurological and general medical evaluations are included.

**ATP 512L. Orthopedic Assessment of the Upper Extremity Laboratory 2 credits**

This is a laboratory course to compliment Orthopedic Assessment of the Upper Extremity. Students will build skills in performing upper extremity evaluation by learning appropriate evaluation and testing procedures. Students will also learn how to document, effectively, utilizing appropriate HER. Emphasis will also be placed on how to code for billing and insurance purposes.

**ATP 521. Therapeutic Interventions I 3 credits**

In this course, we will explore the knowledge and theoretical basis related to managing care of patients. Specifically, we will examine pain theories and the injury healing process while also identifying general procedures for rehabilitative application. Students will also explore the evidence of using modalities to treat musculoskeletal injuries.

**ATP 521L. Therapeutic Interventions I Laboratory 2 credits**

This is a laboratory course to compliment Therapeutic Interventions I. Students will build their skills of using various forms of therapeutic modalities based on patient symptoms and injury.

**ATP 522. Therapeutic Interventions II 3 credits**

In this course, we will continue to explore the knowledge and theoretical basis related to managing care of patients. Specifically, we will identify progression of rehabilitation using multiple intervention techniques. Also included in the progression, we will be evaluation psychosocial issues and interventions related to patient management. This course will be offered in a blended model format with integrating online, lecture, and laboratory experiences.

**ATP 522L. Therapeutic Interventions II Laboratory 2 credits**

This is a laboratory course to compliment Therapeutic Interventions II. Student will build their rehabilitative skills while learning how to apply treatment based on each patient's injury healing process.

**ATP 525. Current Issues in Athletic Training 2 credits**

This course is designed to address major issues and special topics affecting the Athletic Training Profession. Particular attention will be given to current trends, professional development, employment settings, and educational opportunities, the role of allied health professionals, and legal, political, ethical, and other controversial issues affecting the professions. Special topics relating to technological advances, research, pharmacology, and special populations, evaluation and treatment techniques will be addressed.

**ATP 531. Clinical Experience I 3 credits**

Student will learn how to apply various taping and bracing procedures used to help prevent and protect their patients from injuries. Students will practice on each other during class but will also be required to utilize their skills on patients within their clinical experience under the direct supervision of their preceptor. In addition, students will be evaluated on the application of clinical proficiencies with emphasis on specific skills related to transporting, medical care and emergency procedures.

**ATP 532. Clinical Experience II****3 credits**

This course is designed to provide guidance for students to apply athletic training knowledge, skills, and abilities in the clinical setting under the direct supervision of an approved Preceptor. Emphasis is placed on continual practicing, implementing and reinforcing clinical skills from the previous and current didactic courses.

**ATP 533. Clinical Experience III****5 credits**

Application and assessment of clinical proficiencies is emphasized specific to strength and conditioning and rehabilitation management of patients.

**ATP 534. Clinical Experience IV****5 credits**

This course is designed to progress skill and application development of the students, specifically in the area of general medical and psychosocial disorders and interventions. Additionally, students will be engaged in developing study habits to help them prepare for the BOC exam.

**ATP 535. General Medical Conditions****3 credits**

The focus of this course is on general medical conditions that affect patient's well-being and activity level. Students will be introduced to the pathology and epidemiology of diseases related to immunity, inflammation, infection, and cancer. The major disorders of the cardiovascular, hematological, respiratory, digestive, urinary, reproductive, endocrine, neurological, musculoskeletal, and integumentary systems will be addressed. In addition, this course will provide opportunity for students to learn different methods to intervene with appropriate care and triage.

**ATP 536. Nutrition and Pharmacology****3 credits**

This course involves the study of nutrition and the effects of nutritional practices on daily living and sports performance. The course is intended to facilitate application of nutritional concepts to enhance athletic performance and promote health and general wellness. In addition, students will gain an understanding of the basics of clinical pharmacology. The focus is to explain the principles of pharmacology, the process of drug approval, legal regulation, current research, and reliable sources of drug literature. Students will explore pharmacological principles in relation to major body systems as relevant to the practice of the health science professional. By the end of the course, students will be able to describe the drug approval process, demonstrate understanding of the legal regulation of drugs, identify common medications and effects for major body systems, explore current pharmacological research, and identify reliable sources of pharmacology literature.

**ATP 545. Organization and Administration****3 credit**

In this course, students will examine the various issues, policies, and procedures involved with administration in athletic training. Emphasis will be placed on facility organization and design, legal liability, personnel management, budgeting, equipment purchasing, and record keeping promotions. In addition, students will learn about the profession of athletic training and how to become involved within the organization.

**ATP 598. Research Methods I****3 credit**

Students will study the various types of research methodology pertaining to relevant issues within the health/exercise science professions. The purpose of this course is to provide students with an opportunity to start their research experience. Toward this goal, the student will develop their patient outcomes research, while developing their skills to read, write, and think critically, and communicate effectively. Students will be required to find and critique evidence and learn how to incorporate their findings. In addition, students will develop/find tools to use to collect their data towards completing their patient outcomes report. Students will work closely with the instructor and their preceptor in utilizing technology to investigate and develop their clinical care methods.

**ATP 599. Research Methods II****3 credits**

In this course, the student will refine their ability to read, think, and write critically and creatively. Students will complete their data collection and develop their patient outcomes report. The student's patient outcomes report will be presented in class, both written and verbally, with hopes of creating a publishable paper. The student will work closely with the instructor and their preceptor in designing and conducting the outcomes data. Through this research project, the student will learn to analyze the evidence and learn how to improve their results with their patients.

## **GPS – BACHELOR'S DEGREE COMPLETION**

ADAM E. JACK, M.S., CHAIR, CRIMINAL JUSTICE AND SOCIAL SCIENCES

**DAVID M. MARINER, PH.D., DEAN OF GRADUATE AND PROFESSIONAL STUDIES**  
**GORDON W. MCCLUNG, PH.D., CHAIR, BUSINESS ADMINISTRATION**

**General Information**

The focus of the program is to offer a pathway to undergraduate degree completion using the 100% online delivery. Once the undergraduate degree has been conferred, there are options to step into selected graduate programs which are also offered 100% online. Selected coursework, from our already reputable undergraduate business and criminal justice programs, has been converted to an online format. The outcome of the program will be a Bachelor of Arts degree in Administration. Students may choose from two options: Business or Criminal Justice.

In keeping with the mission of the Business Administration Department, the Administration major (with the Business option) intends to deliver high-quality business programs that emphasize leadership development, foster global and multicultural awareness and build upon a foundation in the liberal arts and humanities in the online format. We will create and disseminate applied business knowledge that contributes to the advancement of business education and practice.

Likewise, the Criminal Justice option will follow the objectives of the on-campus Criminal Justice Administration major, which is to offer students the opportunity for comprehensive study in Criminal Justice Administration. Course selection and design of the bachelor's degree completion program insures that graduates will have thorough and systematic knowledge of agencies and institutions in the public and private sector, have a firm and educated perception of law and its role in the delivery of American justice, and are aware of the social, psychological and political aspects of contemporary crime and punishment. Additionally, courses provide in-depth instruction in techniques of law enforcement, security issues, corrections, substantive and procedural law, research, management processes and administrative processes.

In case neither option from the administration major is a good fit with prior college coursework, students may be interested in applying for a Bachelor of Arts degree or a Bachelor of Science degree, with a major in Professional Studies. The Professional Studies major is intended for students with prior coursework who want to complete their studies. It is designed to be flexible, so students can design an individual course of study. They are able to combine courses from two or more academic disciplines so the major makes it possible to pursue a wide variety of interests. At the time of acceptance, and based on the guidelines of the general studies major, the student and advisor will develop a list of courses to be approved by the Registrar and Provost.

The outcomes from these programs will enable our graduates to possess functional competencies, integrity, and the ability to: communicate; utilize relevant technologies; think strategically; work independently and in teams; integrate faith; solve problems and identify opportunities; innovate; and ethically lead themselves and others.

**Admission Requirements**

To be considered for admission to the Bachelor's Degree Completion Program, a student must submit the following:

1. The University's Graduate and Professional Studies admissions application.
2. High school transcript with the date of graduation.
3. Official transcripts of all post-secondary coursework. Candidates must transfer a minimum of 24 credits. Students with no previous coursework may still be considered for admission after a personal interview with the program director.
4. A current resume

**Degree Requirements**

1. To qualify for the degree, each candidate must have earned a cumulative grade point average of at least 2.00 and a 2.00 grade point average in the declared curriculum.
2. Candidates must complete 124 semester hours for the bachelor's degree. A total of 30 semester hours must be completed in residence (i.e., graded credits with Waynesburg University), which must include 12 semester hours of upper-level (i.e., 300-, 400-level) courses in the department of the declared curriculum.

**Alternative Credit Opportunities**

Waynesburg University values the concept of lifelong learning and service and realizes that credit may be awarded for college level learning from a variety of sources. Students interested in alternative credit are encouraged to contact

their academic advisor for detailed information and application materials. Currently, the following alternative sources of credit are available to students enrolled at the University:

- Portfolio Credit
- American Council on Education (ACE) Equivalency Credit
- Recommendations (Military Courses)
- Advanced Placement (AP) Tests of the College Entrance Examination Board
- College Level Examination Program (CLEP)
- Departmental Examinations (for additional information, see page 291)
- International Baccalaureate

By completion of the first semester, or the semester in which the experience is recognized, credit received through these programs is posted on the student's permanent record. A minimum of 30 semester hours of on-campus instruction is required for the baccalaureate degree. Credit earned through Alternative Credit Opportunities may not be used to satisfy this requirement.

### Transfer Students

Transfer courses are evaluated on an individual basis, unless specified in an official Articulation Agreement with another institution. Courses similar to those offered in the Waynesburg University Academic Catalog and graded C- and above are accepted. Validation of prior learning may be required (see Validation of Credit Policy). Associate degrees awarded by institutions will be examined individually.

Students who are considering submission of a transfer application may request a preliminary review concerning transferability of credits from the Registrar.

The following regulations govern the evaluation of transfer credit at Waynesburg University:

1. The amount of transfer credit and course equivalencies will be determined by the Registrar in consultation with the Program Director and the Office of Academic Affairs.
2. The maximum number of hours allowed for credit earned at a two-year institution will not exceed the number of hours required in the first two years of the student's program at Waynesburg University (i.e., 63 credits).
3. Transfer credit will be given only for those courses that were completed with a grade of C- or above and that are certified as being applicable toward a comparable degree at the accredited institution that offered the courses.
4. Transfer credit will not be posted to a student's permanent record until an official copy of the transcript, issued directly from and bearing the seal of the institution awarding the credit, has been received in the Registrar's Office.

## ADMINISTRATION MAJOR (BUSINESS OPTION)

### General Education Courses – 42-43.0 credits

		Course		Course Title
Department	Number	Credits		
—	—	3	One course to be selected from art, music, or theatre	
—	—	3	One course to be selected from fine arts (art, music, theatre), language arts (literature, writing, Spanish, language), communication (film, photography, speech), ABUS ___, ACRJ 406, ACRJ 409	
—	—	3	One course to be selected from geography, political science, psychology or sociology	
—	—	7-8	Two courses to be selected from biology, chemistry, geology, physics or other approved discipline with laboratory experience	
BMS	105	3	Introduction to the Old Testament or BMS 106, Introduction to the New Testament	
CSC	105	3	Introduction to Computers or ABDA 105, Business Systems Applications	
ENG	101	3	College Composition I	

ENG	102	3	College Composition II
	—	3	Literature course
HIS	—	3	History course or ACRJ 217, American Policing
LSK	101	1	Wellness
MAT	106	3	Beginning Algebra
PHL	—	3	Philosophy course or ACRJ 409, Current Issues in Criminal Justice
SLR	105	1	Service Learning

**Required Courses – 30.0 credits**

Course			
Department	Number	Credits	Course Title
AACC	102	3	Principles of Managerial Accounting
ABDA	142	3	Business Systems Applications
ABUS	305	3	Business Finance II
	417	3	Management Policy
AMGT	205	3	Principles of Management
	207	3	Organizational Behavior and Conflict Resolution
	305	3	Human Resources Management
AMKT	205	3	Marketing
	405	3	Marketing Management
AECO	202	3	Economics of Business

**Electives – 51-52.0****TOTAL – 124.0****ADMINISTRATION MAJOR (CRIMINAL JUSTICE OPTION)****General Education Courses – 45-46.0 credits**

Course			
Department	Number	Credits	Course Title
—	—	3	One course to be selected from art, music, or theatre
—	—	3	One course to be selected from fine arts (art, music, theatre), language arts (literature, writing, Spanish, language), communication (film, photography, speech), ABUS ___, ACRJ 406, ACRJ 409
—	—	7-8	Two courses to be selected from biology, chemistry, geology, physics or other approved discipline with laboratory experience
—	—	6	Two courses to be selected from economics, geography, political science, psychology or sociology ( <i>two disciplines must be represented</i> )
BMS	105	3	Introduction to the Old Testament or BMS 106, Introduction to the New Testament
CSC	105	3	Introduction to Computers or BDA 105, Business Systems Applications
ENG	101	3	College Composition I
	102	3	College Composition II
	—	3	Literature course
HIS	—	3	History course or ACRJ 217, American Policing
LSK	101	1	Wellness

MAT	106	3	Beginning Algebra
PHL	—	3	Philosophy course or ACRJ 409, Current Issues in Criminal Justice
SLR	105	1	Service Learning

**Required Courses – 31.0 credits**

Course			
Department	Number	Credits	Course Title
ACRJ	209	3	Private Security Administration
	217	3	American Policing
	218	3	Criminal Investigations
	219	3	Criminal Law
	227	3	Corrections
	318	3	Homeland Security and Intelligence
	328	3	Criminal Procedure
	339	3	Juvenile Justice System
	406	4	Law and Evidence
	409	3	Current Issues in Criminal Justice

**Electives – 47-48.0****TOTAL – 124.0****PROFESSIONAL STUDIES MAJOR****General Education Courses – 45-46.0 credits**

Course			
Department	Number	Credits	Course Title
—	—	3	One course to be selected from art, music, or theatre
—	—	3	One course to be selected from fine arts (art, music, theatre), language arts (literature, writing, Spanish, language), communication (film, photography, speech), ABUS —, ACRJ 406, ACRJ 409
—	—	7-8	Two courses to be selected from biology, chemistry, geology, physics or other approved discipline with laboratory experience
—	—	6	Two courses to be selected from economics, geography, political science, psychology or sociology ( <i>two disciplines must be represented</i> )
BMS	105	3	Introduction to the Old Testament or BMS 106, Introduction to the New Testament
CSC	105	3	Introduction to Computers or ABDA 105, Business Systems Applications
ENG	101	3	College Composition I
	102	3	College Composition II
	—	3	Literature course
HIS	—	3	History course
	—	3	or ACRJ 217, American Policing
LSK	101	1	Wellness
MAT	106	3	Beginning Algebra
PHL	—	3	Philosophy course or ACRJ 409, Current Issues in Criminal Justice
SLR	105	1	Service Learning

**Required Courses**

**Guidelines for the major:**

- Minimum credits for the major is 54.0 (from two or more disciplines)
- No more than two-thirds of the required courses may be in one discipline
- Minimum credits from Waynesburg-instructed, upper-level courses (i.e., 300-, 400-level).

Course			
Department	Number	Credits	Course Title
PST	499	3	Capstone Project

**Electives – 23-24.0****TOTAL – 124.0****BACHELOR'S DEGREE COMPLETION COURSE OFFERINGS****ABDA 105. Business Systems Applications 3 credits**

Students will have the opportunity to analyze business case studies and use several business software packages such as MS Excel, MS Access, QuickBooks, MS Word, and Adobe Creative Suite. Class will include analysis and creation of accepted business forms and presentations, as well as an integration of business theory into practical application in the form of presentation(s). This course fulfills the General Education Computer Literacy Requirement.

**AACC 101. Principles of Managerial Accounting 3 credits**

An introduction to cost measurement, cost-volume-profit analysis, budgeting, and performance evaluation. This course focuses on how managers use accounting information as a basis for planning and controlling operations.

**AMGT 207. Organizational Behavior and Conflict Resolution 3 credits**

The field of organizational behavior (OB) is about understanding how people and groups in organizations behave, react, and interpret events. It also describes the role of organizational systems, structures, and processes in shaping behavior, and explains how organizations really work. Drawing from fields including management, anthropology, sociology, information technology, ethics, economics, and psychology, OB provides a foundation for the effective management of people in organizations. Because it explains how organizations work from individual motivation to team dynamics to organizational structure, knowing about OB is essential to being effective at all organizational levels.

**AMKT 205. Marketing 3 credits**

A study of the problems of a firm involved in marketing. Determination of market demand will be examined together with channels of distribution and methods of arriving at an equitable price. Case studies are used to give the student experience in decision-making.

**AFIN 305. Business Finance II 3 credits**

A course in the essentials of managerial finance. Topics discussed include the role of the financial manager in the modern corporation, financial forecasting, capital budgeting, interest theory, valuation, leverage, the cost of capital, dividend policy, working capital management, issuance of stocks and bonds, mergers, consolidations and reorganizations. Prerequisite: ACC 101 or permission of the program director.

**AMGT 305. Human Resources Management 3 credits**

Examination of the human problems typically found in industrial organizations. Skill in problem analysis, the evolution of workable solutions and the development of action plans are stressed.

**ABUS 417. Management Policy 3 credits**

An advanced course for finance, marketing or management majors. Emphasis is placed on the integration of problem solving techniques applied to the firm as a system. Evaluation and solution will be effected through business simulations and case study method. Prerequisites: Senior status, or consent of the department chair.

**ACRJ 209. Private Security Administration 3 credits**

This course is an administrative and managerial overview of the security field with emphasis on the private sector and its interaction with the public sector law enforcement agencies. Coverage will include consideration of security management problems involving security personnel, budgeting, risk management, physical security programs and safety policies. Additional coverage will include ways that security prepares for labor disputes, demonstrations, civil disorders, riots, terrorism, industrial espionage, and organized crime. Particular emphasis will be placed on issues that arise with organizations that operate under constraints imposed by federal and state regulatory agencies. When completed at Waynesburg, this course satisfies the general education requirement for history.



**ACRJ 217. American Policing 3 credits**

Topics considered include the historical foundations of police processes in America, occupational roles and tasks of law enforcement, and the nature and designs of typical, as well as innovative police systems. Problems of policing and community interaction are also an essential component of the course.

**ACRJ 218. Criminal Investigation 3 credits**

A practical and theoretical assessment of the investigating process in the civil and criminal realm is the chief focus of this course. Covered matters include: witness examination, collection and presentation of evidence, surveillance techniques, photographic reproduction, physical and demonstrative evidence, as well as unique and specialized techniques for specific crimes.

**ACRJ 219. Criminal Law 3 credits**

An introduction to substantive criminal law which includes a review of the social, philosophical, and legislative foundations of crimes codification. Specific crimes against the person, property, and public order are discussed and various judicial issues relative to the mental states of criminal liability will be covered.

**ACRJ 227. Corrections 3 credits**

An in-depth study of institutional corrections and community corrections. This course is designed to cover all aspects of the correctional system, including community corrections, institutional management and design, release philosophy, bail and retention, goals of sentencing, careers in corrections, as well as safety and security.

**ACRJ 328. Criminal Procedure 3 credits**

A procedural law course which includes a review of the law of arrests, search and seizure, bail, adjudication, pre- and post-trial activities and the nature of plea bargaining. Substantial emphasis is given the constitutional protections afforded through the Bill of Rights, particularly the 4th, 5th, 6th, 8th, and 14th Amendments.

**ACRJ 339. Juvenile Justice System 3 credits**

This course covers the juvenile justice system, with special emphasis on the way it procedurally differs from adult offender adjudication. The parts of the juvenile justice system, hearings, due process standards, and constitutional mandates are fully reviewed. Status offenders and other youth classifications are considered, together with a historical summary of the history of juvenile court philosophy.

**ACRJ 406. Law and Evidence 4 credits**

A comprehensive review of common law and statutory evidentiary principles and their impact on and use in the civil process and criminal process. This course will cover: the history and development of the rules of evidence, burdens of proof, relevancy, materiality, competency, judicial notice, stipulations, examination of witnesses, documentary evidence, real evidence, demonstrative evidence, and privileges. The course is taught in a workshop format and students are required to participate in a mock trial.

**ACRJ 409. Current Issues in Criminal Justice 3 credits**

This course will examine current issues in the criminal justice field to include ethical decision making and dilemmas encountered by professionals in the various related occupations. Corruption, brutality and morality are discussed in relation to the duties of the criminal justice organizations. Systemic issues, legal issues, process issues, issues of social justice, and punishment issues that are relevant to criminal justice practitioners will also be discussed and debated.

When completed at Waynesburg, this course satisfies the general education requirement for philosophy.

**AECO 202. Introduction to Microeconomics 3 credits**

Analyses of consumer behavior, production costs, and price determination in different market structures are followed by discussions of general equilibrium and selected economic problems.

**AMGT 205. Principles of Management 3 credits**

This course is designed to give the students a thorough understanding of the function of management. It examines in depth the nature of planning, organizing, directing and controlling at three managerial levels within the firm. Students will be given the opportunity to apply these functions via the use of case histories.

**AMKT 408. Marketing Management 3 credits**

Capstone course for the marketing and management majors. This course is designed to integrate the basic principles of Marketing, Management and Finance in a case study. Students will learn the analysis of real problems in these respective areas. Prerequisites: Senior status, or consent of the department chair.

**MAT 215. Applied Statistics I 3 credits**

Descriptive statistics, introduction to inferential statistics, applications.

**PHL 205. Ethics 3 credits**

A study of moral values, moral reasoning, and ethical choice.

**PST 499. Capstone Project**

**3 credits**

During the final term of study, students shall enroll for their capstone course with their advisor. The goal of this course is for the student to integrate his or her knowledge of the selected academic disciplines into a project or presentation.

## **GPS – BUSINESS ADMINISTRATION**

### **MASTER OF BUSINESS ADMINISTRATION**

**GORDON W. MCCLUNG, PH.D., DIRECTOR OF GRADUATE PROGRAMS IN BUSINESS  
ADMINISTRATION**

#### **GENERAL INFORMATION**

The Master of Business Administration degree at Waynesburg University builds on the University's strong tradition in business. The Waynesburg program concentrates on the functional areas of business — accounting, finance, management, and marketing — while stressing technical, conceptual and theoretical skills. Students in the program study business as it relates to an interdependent and constantly changing environment, recognizing various business problems and identifying alternative courses of conduct. Given the curriculum of the program, the candidates for the MBA degree develop quantitative techniques for business and economic analysis, study interpersonal relationships within organizations, and integrate the various areas of business through case studies and written and oral presentations.

In addition, students in the MBA Program at Waynesburg study quantitative techniques, computer applications, case studies, report writing, and applied economics. An in-depth analysis of the diverse theoretical and social issues confronting the modern business organization pervades the curriculum. A Graduate Curriculum Committee (consisting of the Provost, the Chairs and Directors of related disciplines, and a representative of the Curriculum and Educational Policies Committee) initiates curriculum modifications.

Students in the MBA Program may elect to specialize in the applied business, energy management, health systems administration, leadership/human resource management, finance, market development or project management by taking the appropriate electives.

The MBA Program at Waynesburg University involves 30 credit hours of instruction, which may be completed in one year of intensive, full-time study. It also is possible to complete the requirements for the MBA degree on a part-time basis up to seven years.

All MBA courses are offered in the classroom or online during the fall, spring, and summer semesters.

Admission to the program is offered to all graduates with a four-year degree from accredited colleges and universities. The Director of Graduate Programs in Business Administration will evaluate academic achievement at the undergraduate level, special skills, and other factors relevant to the prospective candidate.

#### **ADMISSION REQUIREMENTS**

To be considered for admission into the MBA Program, the student must submit the following:

1. Application with essay
2. Official transcripts of all undergraduate and graduate coursework
3. A current resume

In order to be admitted to the program, the student must have:

1. Graduated from an accredited four-year college or university, GPA 3.0 or higher
2. Undergraduate courses in accounting, economics, finance and statistics\*

Students seeking admission into the MBA program may be admitted on a regular or conditional basis. The MBA admissions committee will review the student's educational background and work experience to determine the student's admission status based on the following criteria:

1. Completion of a baccalaureate degree or equivalent from an accredited institution of higher education

2. Quality of the student's academic record and educational background
3. \*Undergraduate courses in accounting, economics, finance and statistics. If a student does not have prior classroom experience in these areas, students may be asked to take an academic leveling program course(s) as a prerequisite.
4. The nature and extent of the student's work experience
5. Involvement in community activities

Regularly admitted students are students who the admissions committee determines have the preparation to successfully complete the program.

Some applicants whose GPA is less than 3.0 may be admitted to the program conditionally and permitted to enroll in a maximum of four courses (12 credits). Upon completion of the four courses and fulfillment of any specified conditions, the student's record and admission criteria will be reviewed to determine the student's potential for successfully completing the program. After approval, the student will be permitted to complete the MBA Program according to an individualized program of study developed in conjunction with his or her advisor.

International Student Admission Requirements:

- Application, essay, current resume, two letters of reference
- Transcripts translated into English by WES, World Education Services, of all academic educational work
- TOEFL score for non-English speaking country – minimum score requirement is 80
- Statement of financial support from certified financial institution. Statement must show adequate funds to pay tuition, fees, books, supplies, travel expenses and living expenses.
- Copy of passport and visa
- Admissions interview

## PREREQUISITES

Since the MBA curriculum concentrates on the areas of accounting, economics, finance, management, marketing and statistics, a strong background in these areas, either through previous coursework or relevant business experience, is strongly recommended. If the program director or student feels that he or she is not adequately prepared in these areas, the Peregrine academic leveling courses are recommended.

## GRADUATE NON-DEGREE STUDENT

In certain circumstances, with the approval of the Director of Graduate Programs in Business Administration, students may be permitted to enroll in a maximum of two courses (6 credits) without completing the regular application process.

## FINANCIAL AID

Financial aid information may be obtained from the Financial Aid Office. Student loans are available to students taking a minimum of six semester hours. For the purposes of the MBA Program, a full-time student is considered to be anyone enrolled in a minimum of nine semester hours. For additional Financial Aid information, see the introductory Graduate and Professional Studies section.

## DEGREE REQUIREMENTS

1. 30 semester hours of business administration. All students must take Master of Business Administration 505, 506, 507, 515, 525, 535, and 599; with nine additional hours elected from the various areas of concentration. (See below)
2. Candidates must complete 24 semester hours at Waynesburg University.
3. Students must achieve a 3.00 GPA in order to graduate from the program. The receipt of a letter grade of C or lower will automatically be reviewed by the Director of Graduate Programs in Business Administration.
4. All students must begin the MBA Program within one year of notification of admission. Anyone who does not meet this deadline will be removed from the files and will have to reapply to proceed.
5. Requirements for the Master of Business Administration degree must be completed within seven (7) years from the registration of the first MBA class.

6. Deactivation will occur if no registration activity is recorded one year after the last semester of enrollment. Anyone removed for this reason must reapply to continue in the program.

## CURRICULUM

### REQUIRED COURSES FOR ALL OPTIONS — 21 credits

MBA 505 – Accounting Concepts & Applications  
 MBA 506 – Applied Economics  
 MBA 507 – Global Business  
 MBA 515 – Financial Management  
 MBA 525 – Organizational Behavior  
 MBA 535 – Data Analytics  
 MBA 599 – Capstone Experience

Three (3) elective courses from options listed below:

#### **APPLIED BUSINESS OPTION:**

*Required Electives (any three of the following) may be taken at any time — 9 credits*

MBA 508 – Ethical Decision Making  
 MBA 516 – Advanced Financial Accounting Procedures  
 MBA 517 – Advanced Financial Statement Analysis  
 MBA 518 – Becker I  
 MBA 519 – Becker II  
 MBA 526 – Advanced Finance  
 MBA 527 – Healthcare Systems — A Field Survey  
 MBA 528 – Law and Ethics in Healthcare Systems  
 MBA 529 – Information, Productivity and Outcomes  
 MBA 536 – Advanced Data Analytics & Visualization  
 MBA 537 – Human Resources Management  
 MBA 538 – Benefits and Compensation  
 MBA 539 – Conflict Resolution  
 MBA 545 – Integrated Marketing  
 MBA 546 – Consumer Behavior  
 MBA 547 – Behavioral Interviewing  
 MBA 555 – Energy Management and Strategy  
 MBA 556 – Project Management  
 MBA 557 – Procurement and Contracts  
 MBA 558 – Risk and Budget Management  
 MBA 595 – Special Topics  
 MBA 596 – Special Topics  
 MBA 597 – Individual Study  
 MBA 598 – Individual Study

#### **ACCOUNTING OPTION:**

*Required Courses — 9 credits:*

MBA 516 – Advanced Financial Accounting Procedures  
 MBA 518 – Becker I  
 MBA 519 – Becker II

#### **CORPORATE SOCIAL RESPONSIBILITY OPTION:**

*Required Courses — 9 credits:*

MBA 508 – Ethical Decision Making

MBA 597 – Individual Study (CSR Project I)

MBA 598 – Individual Study (CSR Project II)

#### **DATA ANALYTICS & VISUALIZATION OPTION:**

*Required Courses — 9 credits:*

MBA 536 – Advanced Data Analytics & Visualization

MBA 597 – Individual Study (DA Project I)

MBA 598 – Individual Study (DA Project II)

#### **ENERGY MANAGEMENT OPTION:**

*Required Courses — 9 credits:*

MBA 555 – Energy Management and Strategy

MBA 556 – Project Management

MBA 557 – Procurement and Contracts

#### **FINANCE OPTION:**

*Required Courses — 9 credits:*

MBA 516 – Advanced Financial Accounting Procedures

MBA 517 – Advanced Financial Statement Analysis

MBA 526 – Advanced Finance

#### **HEALTHCARE MANAGEMENT OPTION:**

*Required Courses — 9 credits:*

MBA 527 – Healthcare Systems — A Field Survey

MBA 528 – Law and Ethics in Healthcare Systems

MBA 529 – Information, Productivity and Outcomes

#### **HUMAN RESOURCES OPTION:**

*Required Electives — 9 credits:*

MBA 537 – Human Resources Management

MBA 538 – Benefits and Compensation

MBA 539 – Conflict Resolution

#### **INTEGRATED MARKETING OPTION:**

*Required Courses — 9 credits:*

MBA 545 – Integrated Marketing

MBA 546 – Consumer Behavior

MBA 597 – Individual Study (Marketing project)

#### **PROJECT MANAGEMENT OPTION:**

*Required Courses — 9 credits:*

MBA 556 – Project Management

MBA 557 – Procurement and Contracts

MBA 558 – Risk and Budget Management

## **GRADING**

The grading scale for the MBA Program is available in the Program Guide and Course Syllabi.

**Courses Repeated:** A student may take any course for credit if he or she has met the prerequisites for the course and has not already taken the course and received a grade of B or better. When a course is repeated, both the first grade received and the grade earned in the repeated course remain a part of the permanent record; however, only the highest grade is used in computing the academic quotient. Additional credit is not given in cases where the original grade of

the course repeated was C. A student who wishes to repeat a course must have the written permission of the Director of Graduate Programs in Business Administration.

**Incompletes:** All MBA courses except MBA 597 and MBA 598 will follow the current Waynesburg University Catalog, which states:

The mark I, is given if the work of the course is satisfactory but not completed, and may be removed by completing the unfinished work. Under no consideration, however, is the mark, I, given to a student whose work has been below the passing grade C. Such student is given the grade F. Incompletes are not given except in the case of extenuating circumstances (such as serious illness or death in the family). The student is responsible for filing a Request for Incomplete Grade form available through the Registrar's Office. Incompletes must be made up in the first eight weeks of the term following the one in which the work reported incomplete is taken. An incomplete not made up will be changed to F.

BUS 597 has guidelines for incompletes as follows:

A student enrolled in MBA 597 or MBA 598, Individual Study, may, because of the nature of his or her study, be unable to complete all work in a semester or within the normal "incomplete" period. Therefore, for an incomplete in this class, an I grade will be carried by the Registrar for a period of one (1) calendar year from the date of registration. After this time period has expired, the Registrar will change the incomplete to an F.

## ACADEMIC PROGRESSION

All graduate students are required to have a cumulative GPA of 3.00 or higher with no more than one grade of C or lower to be eligible to receive a Master's Degree from Waynesburg University.

To remain in good standing and progress through the curriculum:

- All courses during the graduate curriculum must be completed with a grade of C or higher; one C permissible.
- A student may receive no more than one grade of C or lower during the curriculum.
- A student may repeat a course only once.
- The student's cumulative GPA must be at 3.00.

If the student receives a grade of C or lower, a letter of warning will be sent to remind the student of the academic progression policy and standards. Students' academic performance will be reviewed at the end of each 8-week session.

If the student's cumulative GPA falls below 3.00, the student will be placed on probation, and must raise the GPA to 3.00 or higher by the completion of the next 6 credits.

A graduate student will be dismissed from the program if any of the following occur:

- The student receives more than one grade of C or lower.
- The student is unable to achieve a cumulative GPA of 3.00 or higher after completing the next 6 credits following a warning.
- The student is unable to successfully complete a course with a grade of B or higher after repeating the course one time.

## NOTIFICATION OF ACADEMIC STATUS

Waynesburg University makes every effort to notify students of their academic status. A certified letter is mailed to each graduate student placed on suspension. Since communication by mail may be delayed or misdirected, it is the responsibility of every student to obtain this information. Non-receipt of a letter by a suspended student will not be considered grounds for claiming eligibility to enroll for a subsequent semester.

NOTE: All other policies and procedures outlined by the current Waynesburg University Academic Catalog will be adhered to by the MBA program. For Financial Aid Satisfactory Academic Progress (SAP) – see the introductory Graduate and Professional Studies pages in this Academic Catalog and the Student Program Guide.

## TRANSFER CREDITS

Transfer credit is granted in a manner consistent with University policy. Each course is individually reviewed by the Registrar in consultation with Director of Graduate Programs in Business and/or members of related University

disciplines for judgment concerning transfer of credits. When transfer credit is evaluated, only those courses that fulfill the degree requirements for the MBA degree will apply.

Waynesburg University will accept a maximum of nine credit hours with grades of B- or above in transfer. The credits must have been earned within seven years of application to the program.

## WITHDRAWAL

Students wishing to withdraw voluntarily from the program must make an appointment to discuss the matter with the Director of the MBA program and then write a letter verifying the withdrawal. The date of the receipt of the letter becomes the official date of withdrawal from the program. Students must also follow the University policy regarding withdrawal from the University. Non-attendance does not constitute official withdrawal from the program.

## DISMISSAL

An MBA student will be dismissed from the program if the student receives more than one grade of C or lower, is unable to successfully complete a course with a grade of B or higher after repeating the course one time, or is unable to achieve a cumulative GPA of 3.00 or higher following completion of the next six credits after being placed on probation.

## REINSTATEMENT

Students who withdraw from the MBA program must apply for readmission in a matter consistent with University policy. Students who have been admitted and then withdraw from the MBA program must show evidence of a cumulative GPA of 3.00 or higher at the time of leaving the program, and must submit a written letter to the MSN Program Director requesting reinstatement. Students who do not enroll in a course for one calendar year will be placed on inactive status, and must request reactivation in writing to the Director of the MBA Program to return to active status.

## GRADUATION REQUIREMENTS

Students are eligible for graduation with a Master of Business Administration degree upon completion of all business and University requirements with a cumulative GPA of 3.00 or higher. All credits for each concentration must be completed within 7 years from initial program enrollment. Students must complete at least 27 credits at Waynesburg University.

## MASTER OF BUSINESS ADMINISTRATION GRADUATE COURSE OFFERINGS

### **MBA 505. Accounting Concepts & Applications 3 credits** **(formerly BUS 526, Accounting Concepts & Applications)**

The use of detailed accounting information to effect control of corporate operations is studied. Based on a firm understanding of accounting principles and procedures, the course extends data collection to data interpretation via accounting information systems. Non-accounting majors will realize the usefulness of accounting data in forecasting, planning, budgeting, costing, variance analysis, and monitoring.

### **MBA 506. Applied Economics (formerly BUS 528, Seminar in Applied Economics) 3 credits**

This course concentrates on the practical uses of economic theory in managing the firm, including microeconomic and macroeconomic topics. It is concerned with theory of the firm, production and costs, pricing, equilibrium, demand forecasting, factor pricing, market structure, input/output analysis, and aggregate economic parameters that impact efficient resource allocation. Specific firm and industry examples are developed throughout the course.

### **MBA 507, Global Business (formerly BUS 535, International Business; Cross-listed with CRJ 535) 3 credits**

This course is a study of the world market and an analysis of economic, political, cultural, and business trends as they influence the multinational corporation. Risk taking, financing, and investment are considered. Marketing variations among countries are discussed. Students are required to prepare a research report on the operation of a corporation doing business abroad or of another country's business system.

**MBA 508. Ethical Decision Making (formerly BUS 529, Ethical Decision Making) 3 credits**

This course provides a study of the changing environments of business and the consequent changing role of business in society. The theory of capitalism is fully developed and related to modern American business. Topics such as social values, corporate power, pluralism, social responsibility, and business ethics are addressed. Contemporary issues such as pollution, consumerism, and urban decay are viewed from the perspective of the business manager. Governmental regulations and policies are shown to have a significant effect on the firm. The future of business, government, and society is debated.

**MBA 515. Financial Management (formerly BUS 558, Financial Management) 3 credits**

Development of tools, concepts, and techniques of financial analysis are applied to corporate decision making. Topics addressed include goal setting, working capital management, financial forecasting, capital budgeting, and funds acquisition. Students are exposed to problems, cases, and reports in order to apply their analytical skills. Special attention is given to the dynamics of the financial market and its impact on the firm. Prerequisite: MBA 505

**MBA 516. Advanced Financial Accounting Procedures (formerly BUS 507, Advanced Financial Accounting Procedures) 3 credits**

An advanced course in financial accounting. Emphasizes the external uses of accounting information by those who perform controller functions. Includes balance sheet, income statement of cash flows, accounting cycles, etc. Analyzes the effect of alternate accounting procedures in financial reporting. Prerequisites: MBA 505 and 515.

**MBA 517. Advanced Financial Statement Analysis (formerly BUS 559, Portfolio Management) 3 credits**

This course is designed to prepare students to interpret and analyze financial statements for tasks such as credit and security analyses, lending and investment decisions, and other decisions that rely on financial data. This course explores in greater depth financial reporting from the perspective of financial statement users. The areas of focus for the course will be liquidity, activity, debt, profitability, and market ratios. Students learn to compare companies financially, understand cash flow, and grasp basic profitability issues and risk analysis concepts. Prerequisite: MBA 515.

**MBA 518. Becker I 3 credits****MBA 519. Becker II 3 credits****MBA 525. (formerly BUS 575, Organizational Behavior) 3 credits**

The organizational structure of the institution is studied. Topics addressed include: organizational patterns, goal setting, planning, leadership, motivation, communication, production, morale, rewards, conflict, and change. The course integrates contemporary readings and case analysis with the topics being addressed.

**MBA 526. Advanced Finance (formerly BUS 584, Advanced Finance) 3 credits**

The goal of this course is built upon the principles discussed in Financial Management. Major topics and areas to be covered include role of the financial manager, portfolio theory, asset pricing models, derivatives and risk management, capital budgeting, capital structure and value-based management, tactical financing decisions, and special topics such as mergers and multinational financial management. Prerequisite: BUS 515.

**MBA 527. Healthcare Systems — A Field Survey (formerly BUS 515, Healthcare Systems) 3 credits**

This course serves as an introduction to the analysis, structure, and management of healthcare services in the United States. The course will cover topics such as comparisons of international health systems, organized delivery systems, legal considerations in healthcare, stakeholder management, finance management and reimbursement, human resource issues, financing, marketing, information systems, hospital history and organization, ambulatory care, physician practice management, managed care, quality assurance, and compliance program development. Particular emphasis will be given to the administrator's role in a variety of organized delivery system management scenarios.

**MBA 528. Law and Ethics in Healthcare Systems (formerly BUS 516, Law and Ethics in Health Systems) 3 credits**

Law and ethics continue to take center stage in the healthcare industry. This course introduces students to a wide range of laws and ethical issues of importance to traditional and non-traditional healthcare organizations such as: acute care, long-term care, home health, practice management, managed care, and academe.

**MBA 529. Information, Productivity and Outcomes (formerly BUS 517. Information, Productivity and Outcomes) 3 credits**

Information is central to the effective and efficient management and functioning of healthcare organizations. This course provides students with the latest knowledge about the gathering, use, maintenance, storage, and retrieval of information. Emphasis is placed on transforming data into information. Units of content also examine concepts related



to quality improvement initiatives, outcomes measurement, and the transformation of data into useful information in decision-making.

**MBA 535. Data Analytics (formerly BUS 585, Statistical Methods) 3 credits**

Data analytics is a survey study of the role of analytics and its application to the strategic use in the modern business and organizational environment. The analysis of big data has applications across the spectrum of business, social science, politics, urban planning, and medical fields. Analytic solutions help organizations maximize the value of their data, unearth insights, build plans, and respond in real-time to customer demand. Students will come to appreciate the importance of customer-centric management and tools for understanding and predicting the behavior of customers.

**MBA 536. Advanced Data Analytics & Visualization 3 credits**

Advanced data analytics and data visualization extends the analytic concepts introduced in MBA 535. This course covers advanced analytics topics intersecting the fields of data mining, machine learning and “big-data” with an emphasis on how analytics is used in various industries. The course consists of hands on project designed to impart practical analytics experience. Topics relate to applications of analytics across the spectrum of business, social science, politics, urban planning, and medical fields. Prerequisite: MBA 535.

**MBA 537. Human Resources Management (formerly BUS 577, Human Resource Management) 3 credits**

This course covers a wide range of personnel management including: labor-management relations; worker satisfaction; job safety; incentive systems; fringe benefits; wage and salary administration; manpower training and development; recruiting; and regulations. Speakers from labor and industry will share their perspectives with the class. Prerequisite: MBA 525.

**MBA 538. Benefits and Compensation (formerly BUS 545, Employment Law) 3 credits**

Benefits and compensation examine both the theory and practice of Total Compensation. Topics include strategic compensation; the interrelationship among employee performance, intrinsic and extrinsic rewards, perceived equitable payments, and employee satisfaction; employee benefits; employee incentive programs, external competitiveness and market analysis. A variety of approaches are employed to examine organizational compensation policy and design. Students will learn how the organization can achieve a sustainable competitive advantage through compensation policy/programs.

**MBA 539. Conflict Resolution (formerly BUS 567, Conflict Resolution) 3 credits**

This course will require students to utilize knowledge and skills that have been developed in prior coursework and in their outside, personal and professional environments. In addition to learning new concepts, students will be required to utilize what they have acquired in the past in order to understand and resolve typical and yet sometimes complex real-life interactions.

**MBA 545. Integrated Marketing (formerly BUS 588, Advertising) 3 credits**

Integrated Marketing Communications (IMC) is designed to make all aspects of marketing communication such as advertising, sales promotion, public relations, and direct marketing work together as a unified force, rather than permitting each to work in isolation. The days of broadcast communication are behind us, but to be truly integrated marketers must reflect customer experiences and multiple methods of engagement in their communication initiatives. IMC is a strategic marketing process that aligns business objectives with customer-centric communications. Students will learn how to enhance brand equity through the effective and efficient deployment of the multitude of communication tools to create a seamless brand experience for consumers.

**MBA 546. Consumer Behavior. (formerly BUS 569, Consumer Behavior) 3 credits**

The purpose of this course is for the student to develop an understanding of the intriguing and dynamic field of consumer behavior. Although traditional theoretical perspectives of buyer behavior form the foundation of the course, new and emerging topics both in theory and in practice will cultivate the students' contemporary understanding of customer behavior. The student will gain knowledge of all aspects of the consumer process including pre-acquisition, consumption, post-acquisition decisions. Consumer behavior theory will be introduced and applied to “real-world” marketing situations.

**MBA 547. Behavioral Interviewing (formerly BUS 566, Behavioral Interviewing) 3 credits**

This course examines the process of interviewing prospective candidates for a position, using a particular style of questioning, known as behavioral interviewing. Legal issues are addressed. Students practice behavioral interviewing and determine strategies for creating an effective climate for successful interviews.

**MBA 555. Energy Management and Strategy (formerly BUS 527, Energy Management and Strategy) 3 credits**

New and exciting course that will introduce students to an overview of the Energy field. The course will discuss current sources of energy, such as coal, natural gas, and petroleum and explore new sources including the Marcellus Shale. Topics will include renewable energy that focuses on sustainability such as wind and hydroelectric opportunities for the future.

**MBA 556. Project Management (formerly BUS 536, Project Management) 3 credits**

Effective project management is potentially the most important aspect in business as it relates to overall financial impact, competitiveness, and business survival. Topics of study will include basic project management concepts, project selection, project team building, conflict, and negotiation, risk management, scheduling, cost analysis, budgeting, evaluation and control, and resource management.

**MBA 557. Procurement and Contracts (formerly BUS 548, Procurement and Contracts) 3 credits**

The goal of this class is to introduce the student to some of the tools and constraints associated with managing both small and large project contracts, including procurement approaches. More specifically, this class is to demonstrate how project managers handle contracts and coordinate the procurement process. The course will also identify issues relating to contracts, including tendering, bidding, and order management processes, as well as the legal and commercial implications. Prerequisite: MBA 556.

**MBA 558. Risk and Budget Management (formerly BUS 546, Risk and Budget Management) 3 credits**

The purpose of this class is to understand and apply appropriate techniques to plan, monitor, and control work packages in project in view of risks that may develop during the course of the project. The course focuses on cost budget development and control and on the management of project-related risk. The course aims to facilitate students' learning through their development of a comprehensive project plan. The course also explores the six risk-management processes as outlined in the PMBOK(R) Guide: risk management planning, risk identification, qualitative risk analysis, quantitative risk analysis, risk-response planning, and risk monitoring and control. Prerequisite: MBA 556.

**MBA 595/596. Special Topics (formerly BUS 595/596, Special Topics) 3 credits**

A survey of selected topics in business administration to include advanced study in international business, management, finance, accounting, economics and marketing.

**MBA 597/598. Individual Study (formerly BUS 597/598, Individual Study) 3 credits**

Provides the candidate who wishes to concentrate his or her study in accounting, finance, management, or marketing the opportunity to engage in independent research under the direction of a member of the graduate faculty. The course also may be taken by students who have further interest in such topics as economics, quantitative business analysis, or computer applications. A research paper or project is required. By arrangement.

**MBA 599. Capstone Experience (formerly BUS 599, Management Policy) 3 credits**

This is the capstone course for students completing the MBA program. Taken near or at the end of the program, the course is designed to integrate the functional areas of accounting, finance, management, and marketing, and is patterned after the Harvard case method. Students are drawn into the problem-solving process through extensive out-of-class reading, analysis, and study group interaction via a computer simulation, as well as written communication. Communication skills are refined in the classroom by panel discussions and oral reports. The Major Fields Test is given and is a requirement to complete the course. Prerequisites: 24 credit hours in the graduate program that include all core classes: MBA 505, 506, 507, 515, 525, and 535.

## GPS – COUNSELING

MASTER OF ARTS DEGREE IN COUNSELING

DOCTOR OF PHILOSOPHY DEGREE IN COUNSELOR EDUCATION AND SUPERVISION

JAMES. M. HEPBURN, PH.D., DIRECTOR OF GRADUATE PROGRAMS IN COUNSELING

MASTER OF ARTS

GENERAL INFORMATION

The Counseling program is designed to develop professional counselors who are caring, competent, and committed to helping others. The Counseling program has two specialized tracks – Clinical Mental Health Counseling and Addictions Counseling – designed to meet the diverse needs and interests of students. The Clinical Mental Health Counseling option is for individuals who are primarily interested in helping others in community human service agencies or private practice counseling. The Addictions Counseling option is for individuals who want to serve people who have identified substance use disorders or process addictions such as gambling or internet addiction. Each track provides an ideal blend of theory and clinical practice that will enable graduates to begin their counseling careers with the confidence and skills needed to work as licensed professional counselors.

The Master of Arts in Counseling requires 60 credit hours of instruction. The program is designed to be completed in 20 months of intensive, full-time study.

Admission to the program is offered to all graduates with a four-year degree from accredited colleges and universities. The graduate Counseling faculty will evaluate academic achievement at the undergraduate level, special skills, life experience, and other factors relevant to the prospective candidate before recommending admission to the program.

The program is designed in accordance with the standards set forth by the Council for Accreditation of Counseling and Other Related Education Programs (CACREP) and meets all academic requirements necessary for licensure as a professional counselor (LPC) in the Commonwealth of Pennsylvania, Ohio, and West Virginia. Students can become nationally certified by passing the National Counselor Exam (NCE). The clinical mental health and addictions counseling specializations are accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP). The Addictions Counseling Specialization is approved by the Pennsylvania Certification Board. The Counseling Program is an approved continuing education provider by the National Board for Certified Counselors (NBCC).

Students may choose to enroll in a classroom-based program or 100% online program. The classroom-based program is offered at our Waynesburg campus or Southpointe learning center. In this program half of the classes are offered in traditional classroom format and half are offered through a blended format of online instruction and classroom meetings. Students who choose to enroll in the 100% online program complete all of their academic instruction online. Students must select which program they want to enroll in at the time of matriculation.

The classroom based clinical mental health and addictions counseling specializations are accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP). As with all new programs, CACREP policy requires that we seek accreditation for the 100% online delivery of the Master of Arts in Counseling program as a separate program in the second year of the program's first enrollment period. We will apply for accreditation for the 100% online counseling program at that time (fall 2021) with the expectation that students enrolled in this program will graduate from a CACREP accredited program.

## ADMISSION REQUIREMENTS

To be considered for admission into the Master of Arts in counseling program, the student must submit the following:

1. Verification of a Bachelor's degree from an accredited college with a minimum 3.0 GPA. Official transcripts from undergraduate and graduate institutions must be provided.
2. A current resume.
3. Two letters of reference.
4. A personal statement.
5. Interview with graduate Counseling faculty.
6. Act 34, 114, and 151 clearances

Students whose native language is not English must also submit an official report of TOEFL scores or other proof of competency in English.

Students seeking admission into the Master of Arts in counseling program may be admitted on a regular or conditional basis. The Graduate admissions committee will review the student's educational background and work experience to determine the student's admission status based on the following criteria:

1. Quality of the student's academic record and educational background;
2. The nature and extent of the student's work experience;

### 3. Involvement in community service activities.

Regularly admitted students are students who the graduate Counseling faculty determines have the preparation to successfully complete the program and have the intellectual, emotional, and social aptitude to develop into competent and ethical professional counselors.

Some students may be admitted to the program conditionally and permitted to enroll in a maximum of four courses (12 credits). Upon completion of the four courses and fulfillment of any specified conditions, the student's record and admission criteria will be reviewed to determine the student's potential for successfully completing the program. If the evaluation of all relevant admission criteria is positive, the student will be allowed to enroll in subsequent courses as a regularly admitted student to complete the Master of Arts in counseling program according to an individualized program of study developed in conjunction with his or her advisor.

## CANDIDACY

After completing at least 24 credit hours, students will have to advance to the level of Master of Arts in Counseling Candidacy in order to continue in the program. An application for candidacy will be completed during the semester in which the student will complete 24 graduate credits. Each student applying for candidacy status will be evaluated on their academic record, character issues, current abilities, potential as counselors, and appropriate completion of the core courses in counseling. An interview may be required.

## GRADUATE AND NON-DEGREE STUDENTS

In certain circumstances, with the approval of the Director of Graduate Programs in Counseling, students may be permitted to enroll in a maximum of two courses (6 credits) without completing the regular application process.

## INTEGRATED UNDERGRADUATE AND MASTER OF ARTS DEGREE IN COUNSELING

The Integrated Undergraduate and Master of Arts program allows students who have completed all undergraduate general education requirements and met other academic requirements to enroll in graduate Counseling courses during their senior year. For a complete description of this program, refer to page 208.

## FINANCIAL AID

Financial aid information may be obtained from the Financial Aid Office. Student loans are available to students taking a minimum of six semester hours. For the purposes of the Master of Arts in counseling program, a full-time student is considered to be anyone enrolled in a minimum of nine semester hours.

## DEGREE REQUIREMENTS

1. 60 semester hours of Counseling. All students must take 48 credit hours of core counseling with twelve additional hours elected from the various areas of concentration.
2. Candidates must complete 48 credits at Waynesburg University, unless special permission to transfer additional credits is granted by the Registrar.
3. Students must achieve a 3.0 academic average in order to graduate from the program. The receipt of a letter grade of C or lower will automatically be reviewed by the Graduate Committee.
4. All students must begin the Master of Arts in counseling program within one year of notification of admission. Anyone who does not meet this deadline will be removed from the files and will have to reapply to proceed.
5. Requirements for the Master of Arts in Counseling degree must be completed within seven (7) years from the registration of the first Master of Arts in counseling class.
6. Deactivation will occur if no registration activity is recorded two years after the last semester of enrollment. Anyone removed for this reason must reapply to continue in the program.

## GRADING

The grading scale for the Master of Arts in counseling program is available in the Program Guide.

**Courses Repeated:** A student may take any course for credit if he or she has met the prerequisites for the course and has not already taken the course and received a grade of B or better. When a course is repeated, both the first grade received and the grade earned in the repeated course remain a part of the permanent record; however, only the highest grade is used in computing the academic quotient. Additional credit is not given in cases where the original grade of the course repeated was C. A student who wishes to repeat a course must have the written permission of the director of graduate Counseling programs.

**Incompletes:** All courses will follow the current Waynesburg University Catalog, which states:

The mark "I" is given if the work of the course is satisfactory but not completed, and may be removed by completing the unfinished work. Under no consideration, however, is the mark, I, given to a student whose work has been below the passing grade C. Such student is given the grade F. Incompletes are not given except in the case of extenuating circumstances (such as serious illness or death in the family). The student is responsible for filing a Request for Incomplete Grade form available through the Registrar's Office. Incompletes must be made up in the first eight weeks of the term following the one in which the work reported incomplete is taken. An incomplete not made up will be changed to F.

## ACADEMIC PROGRESSION

All graduate students are required to have a cumulative GPA of 3.0 or higher to be eligible to receive a Master's Degree from Waynesburg University.

To remain in good standing and progress through the curriculum:

- All courses during the graduate curriculum must be completed with a grade of C or higher.
- A student may receive no more than one grade of C or lower during the curriculum.
- A student may repeat a course only once.
- The student's cumulative GPA must be at least 3.00.

If the student receives a grade of C or lower, a letter of warning will be sent to remind the student of the academic progression policy and standards. Students' academic performance will be reviewed at the end of each 16-week session.

If the student's cumulative GPA falls below 3.00, the student will be placed on probation, and must raise the GPA to 3.00 or higher by the completion of the next 6 credits.

A graduate student will be dismissed from the program if any of the following occur:

- The student receives more than one grade of C or lower.
- The student is unable to achieve a cumulative GPA of 3.00 or higher after completing the next 6 credits following a warning.
- The student is unable to successfully complete a course with a grade of B or higher after repeating the course one time.

## NOTIFICATION OF ACADEMIC STATUS

Waynesburg University makes every effort to notify students of their academic status. A certified letter is mailed to each graduate student placed on suspension. Since communication by mail may be delayed or misdirected, it is the responsibility of every student to obtain this information. Non-receipt of a letter by a suspended student will not be considered grounds for claiming eligibility to enroll for a subsequent semester.

## CHI SIGMA IOTA (CSI)

Chi Sigma Iota is the international honor and service society for Professional Counseling. Student must have completed one full semester of graduate work with a grade point average of 3.50 or better. The purpose of the Society is to promote service and learning opportunities for professional counselors. CSI is affiliated with the American Counseling Association.

NOTE: All other policies and procedures outlined by the current Waynesburg University Catalog will be adhered to by the Master of Arts in Counseling program.

## CURRICULUM

### REQUIRED COURSES FOR ALL OPTIONS

CNS 505	Foundations of Counseling
CNS 506	Lifespan Development
CNS 507	Introduction to Mental Disorders
CNS 508	Culture and Identity
CNS 513	Counseling Theories
CNS 514	Counseling Techniques
CNS 516	Theory and Techniques in Career Counseling
CNS 517	Theory and Techniques in Group Counseling
CNS 518	Research Design and Program Evaluation
CNS 519	Professional Issues and Ethics
CNS 525	Testing and Appraisal
CNS 546	Psychopathology and Diagnosis
CNS 557	Theories of Addiction and Recovery
CNS 565	Practicum
CNS 566	Internship I
CNS 566	Internship II

### CLINICAL MENTAL HEALTH COUNSELING

CNS 545	Advanced Techniques of Mental Health Counseling
CNS 548	Family Counseling
CNS 556	Counseling Trauma Survivors
CNS 559	Professional Issues in Clinical Mental Health Counseling

### ADDICTIONS COUNSELING

CNS 527	Pharmacology of Psychoactive Substances
CNS 537	Addiction Counseling Techniques
CNS 539	Addiction, Stress and Trauma
CNS 558	Family Counseling in Addiction

### CERTIFICATE IN ADDICTIONS COUNSELING PROGRAM

#### GENERAL INFORMATION

The Certificate in Addictions Counseling is designed for professionals currently working in addictions counseling or a related field, and for professionals with a master's degree in counseling who are interested in growing their expertise in the addictions field.

This 12-credit, post-baccalaureate certificate, accredited by the Middle States Commission on Higher Education (MSCHE), is approved by the Pennsylvania Certification Board (PCB) as fulfilling educational requirements towards completion of Certified Alcohol and Drug Counselor (CADC) or Certified Advanced Alcohol and Drug Counselor (CAADC) certifications. Credits may also be transferred into the Master of Arts in Counseling program upon completion.

#### Admission Requirements:

1. Verification of a Bachelor's degree from an accredited college with a minimum 3.00 GPA. Official transcripts from undergraduate and graduate institutions must be provided.
2. A current resume.
3. Two letters of reference.
4. A personal statement.
5. Interview with graduate Counseling faculty.
6. Act 34, 114, and 151 clearances.

#### Curriculum – Required Courses:

CNS 527	Pharmacology of Psychoactive Substances	3.0 credits
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CNS 537	Addiction Counseling Techniques	3.0 credits
CNS 539	Addiction, Stress, and Trauma	3.0 credits
CNS 558	Family Therapy in Addiction	3.0 credits

## **ADVANCED SPECIALTY IN CHRISTIAN AND SPIRITUAL COUNSELING**

### **GENERAL INFORMATION**

In alignment with Waynesburg University's emphasis on the connection between faith, learning, and serving, the Advanced Specialty in Christian and Spiritual Counseling trains students to gain the awareness, knowledge, and skills necessary to effectively and ethically integrate faith with the service-focused profession of counseling. This specialty is designed to train practicing counselors, counselors-in-training (post 60 credits), educators and/or other helping professionals, to address issues of religion and spirituality in a variety of counseling and ministry settings including, but not limited to: private practice, hospitals, community agencies, faith-based organizations, churches and chaplaincies.

#### **Curriculum – Required Courses:**

CNS 509	Spiritual and Religious Values in Counseling	3.0 credits
CNS 515	Theories and Techniques of Christian and Spiritual Counseling	3.0 credits
CNS 547	Grief and Loss Counseling	3.0 credits
CNS 555	Advanced Issues in Christian and Spiritual Counseling	3.0 credits

## **COUNSELING COURSE OFFERINGS**

### **CNS 505. Foundations of Counseling 3 credits**

This course serves as an introduction to the theory and practice of counseling. The historical development and traditions of the field, as well as a variety of counseling and psychotherapeutic activities across settings will be covered. Distinctions between the counseling specializations will be introduced. Students will examine their own strengths and motivations for entering the counseling field.

### **CNS 506. Lifespan Development 3 credits**

The study of human development throughout the lifespan. This course will cover both traditional and contemporary theories of human development and explore how developmental concepts influence clinical practice.

### **CNS 507. Introduction to Mental Disorders 3 credits**

This course will provide an overview of psychopathology and the socio-cultural factors that influence our conceptions of mental health and mental illness. The causes, symptoms, and treatments of a variety of mental disorders will be presented focusing on the impact mental illness has on individuals, family and culture. Understanding psychopathology from a humanistic counseling perspective will be emphasized.

### **CNS 508. Culture and Identity 3 credits**

The principal goal of this course is to expand cultural awareness and knowledge. The impact of culture, race, ethnicity, social status, age, language, gender, and sexual preferences will be covered. Various theories, counseling techniques, and ethical considerations necessary for effective cross-cultural counseling will be discussed.

### **CNS 509. Spirituality and Religious Values in Counseling 3 credits**

This course is an advanced topic that provides an overview of the ethical and competent incorporation of spiritual and religious values within counseling. Topics explored include: definitions of religion, spirituality, and counseling; counselor self-awareness; an overview of culture and worldviews related to various belief systems; spiritual and religious development across the lifespan; communication of spiritual and religious themes in the counseling relationship; and multicultural assessment, diagnosis, and treatment strategies that include consideration of the religious and spiritual domain.

### **CNS 513. Counseling Theories 3 credits**

This course will provide an introduction to the counseling theories reflective of current research and practice within the context of consultation, crisis intervention, interviewing and general counseling processes. Students will be introduced to a variety of techniques and theoretical concepts through videotapes of master clinicians, in-class role plays and demonstrations, discussion and written reflections.

### **CNS 514. Counseling Techniques 3 credits**

This course will enable students to begin to develop the understanding and skill of applying counseling theories and models in specific client interventions. Students will be introduced to a variety of techniques through videotapes of

master clinicians, in-class role plays, recording and transcribing mock counseling sessions and interviews, classroom demonstrations, and exposure to the underlying theories of counseling techniques and processes.

**CNS 515. Theories and Techniques of Christian and Spiritual Counseling 3 credits**

This course is an advanced topic that explores historical and current theories and techniques of Christian and spiritual counseling. Consideration is given to the application of the various theoretical approaches to clients across diverse populations and settings. Student will engage in applied practice of the presented theories and techniques to ensure competency.

**CNS 516. Theory and Techniques of Career Counseling 3 credits**

An introduction to the theory and practice of career counseling. The course will focus on traditional and contemporary theories of career development, identify sources of occupational information, review assessment tools, and explore the evaluation process associated with career counseling.

**CNS 517. Theory and Techniques in Group Counseling 3 credits**

An introduction to group processes and the research, theories and techniques of group counseling. This course will include both didactic and experiential methods of instruction. The course will increase knowledge and skills of group leadership; enhance awareness of dynamic and developmental process of group formation; and explore various counseling approaches used in groups.

**CNS 518. Research Design and Program Evaluation 3 credits**

The theoretical and methodological principles of psychological research are reviewed, with an emphasis on conducting and utilizing research in counseling practice. Specific topics covered include research design, data collection, data analysis, and the presentation of findings in both written and oral formats. Research ethics, the utilization of research in the "scientist-practitioner" model, and specific applications to program evaluation and evidence-based practice in counseling are emphasized.

**CNS 519. Professional Issues and Ethics 3 credits**

This course will cover ethical and legal issues encountered by professional counselors. Students will develop a thorough understanding of the code of ethics of the American Counseling Association (ACA), learn about the theory of ethical decision-making and engage in practical decision making activities through the discussion and analysis of case studies. This course will also cover the laws and regulations, client rights, confidentiality issues and informed consent in addictions; drug testing; methadone regulations; record keeping.

**CNS 525. Testing and Appraisal 3 credits**

An introduction to the theory and practice of testing and evaluation processes relevant to counseling. Traditional evaluation techniques used to evaluate personality, intelligence, aptitude, ability, and interest will be covered. This course will provide an introduction to the interpretation of psychological reports.

**CNS 527. Pharmacology of Psychoactive Substances 3 credits**

This Addiction Specialization course covers terminology, drug classification, physiological effects, psychological effects, withdrawal syndrome, drug interactions, and treatment applications. All major categories of drugs are addressed: alcohol, depressants, cocaine and other stimulants, opiates, hallucinogens, cannabinoids, inhalants, and other substances. The course also explores neurological commonalities of addiction and the hypothesized role of neurotransmitters and endogenous chemicals in addictions and compulsive behaviors such as gambling, sexual behavior, and shopping.

**CNS 537. Addiction Counseling Techniques 3 credits**

This Addiction Specialization course explores evaluation, assessment, diagnosis, and treatment of abuse and addiction disorders. Attention is paid to individual counseling, group counseling, family counseling, and intervention. Crisis intervention approaches are included as well. The course explores ways of adjusting counseling to sensitively address age, sex, and cultural differences, co-occurring disorders, medical illnesses, criminal justice involvement, and disabilities.

**CNS 539. Addiction, Stress, and Trauma 3 credits**

This course addresses the role of stress and trauma in the life of individuals with addiction, specifically investigating the role of stress and violence as both etiologically relevant and to addictions and how addictive behavior is used as a maladaptive coping response to stress and trauma. The course will examine how repeated exposure to traumatic events affects development, interpersonal relationships, and neurological functioning and development. Specific counseling techniques for the treatment of trauma with co-occurring addiction will be presented.

**CNS 545. Advanced Techniques of Mental Health Counseling 3 credits**



This course will focus on the development of advanced counseling skills with an emphasis on understanding the subjectivity of both the client and therapist. Specific techniques to a variety of therapies such as Cognitive Behavioral therapy, Motivational Interviewing, Gestalt therapy, Psychodynamic therapy will be covered.

**CNS 546. Psychopathology and Diagnosis**

**3 credits**

This course acts as a continuation of CNS 507 with an emphasis on formal diagnosis of mental disorders using the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV-TR) and the ICD-10. Topics will include the identification of symptoms and symptom clusters, with exploration of etiology, co-morbidity, and treatment options for different disorders, as well as understanding the usefulness and limits of formal diagnosis. Other topics will include intake information gathering, mental status evaluation, psychopharmacology, and assessment of specific clinical challenges including suicidality and dangerousness. Case examples will be emphasized.

**CNS 547. Grief and Loss Counseling**

**3 credits**

This course is an advanced topic that explores theories and techniques used in a holistic approach to bereavement and grief counseling. This course also examines the relationship between religion and grief, including the role of faith communities in response to various types of grief. Consideration is given to the experience, conceptualization, and needs of clients experiencing grief and loss across diverse populations and settings.

**CNS 548. Family Counseling**

**3 credits**

This is an introduction to family counseling and therapy and as such it will address both conceptual and practical skills in working with families. The primary focus will be upon working with families with children and/or adolescent. The course is designed to provide a basic foundation for conceptualizing and beginning to do family counseling.

**CNS 555. Advanced Issues in Christian and Spiritual Counseling**

**3 credits**

This course is an advanced topic that prepares students to integrate Christian and spiritual counseling into their work as professionals. Advanced development of skills, knowledge, and awareness in Christian and spiritual counseling includes consideration of ethical and legal issues as well as collaboration and consultation with the community. This course includes a field experience component.

**CNS 556. Counseling Trauma Survivors**

**3 credits**

This course addresses the origins of violence and how it contributes to the development of an abusive personality. The course will examine how repeated exposure to traumatic events affects development, interpersonal relationships, and neurological functioning and development. Specific counseling techniques for the treatment of trauma will be presented.

**CNS 557. Theories of Addiction and Recovery**

**3 credits**

This course will provide a comprehensive examination of drug and alcohol abuse: etiology; disease concept; diagnosis; treatment; and the impact the abuser has upon the family and the community. The student's development of assessment skills and the therapeutic process of recovery will be emphasized. Treatment interventions and treatment modalities, including outcome data, will be presented. Students will be offered state of the art information about drugs and alcohol abuse among special populations and will have the opportunity to observe the recovery process. Other addictions, current chemical dependency issues and controversies, and dual diagnosis will also be explored.

**CNS 558. Family Counseling in Addiction**

**3 credits**

This Addiction Specialization course involves an exploration of family issues in abuse and addiction. Topics include system theory and family dynamics; codependency; abuse issues; the family life-cycle; developmental issues in families; the role of culture in families; co-occurring disorders, including medical and psychological disorders; and models of family counseling.

**CNS 559. Professional Issues in Mental Health Counseling**

**3 credits**

This course will provide an orientation to professional issues and practices relevant to clinical mental health counseling. The course will cover the philosophical, social, and political factors that influence and shape social service systems and the roles and functions of clinical mental health counselors in various practice settings. Distinctions will be made between private and public mental health care systems, and the inter-relationships between various social service systems. Practical strategies for counselors working in private practice and in community agencies will be addressed.

**CNS 565. Counseling Practicum**

**3 credits**

This is an initial field placement in which students work directly with clients under the supervision of an experienced counselor. The course is designed to increase counseling skills and confidence, and to become familiar with the practical aspects of providing services, such as note taking, treatment coordination and case management. A minimum

of 120 hours of onsite service is required, with minimum of 40 hours spent in direct service with clients. Students must also attend a group supervision class at Waynesburg University each week for 16 weeks and participate in University sponsored individual or triadic supervision weekly.

**CNS 566. Counseling Internship**

**3 credits**

The internship experience is designed to give advanced students in counseling the opportunity to practice and refine their counseling skills. It is also an opportunity for the student to learn from experienced professionals working in their chosen area of specialization. Each internship course will require students to complete onsite service at an agency that provides counseling. Students will receive 3 credit hours for completing 300 hours of onsite service, of which 120 must be in direct service with clients. Students must also attend a 90-minute group supervision class each week for 16 weeks. Two Counseling Internship courses are required for graduation from the program.

**CNSSC 505. Issues and Techniques in Counseling Athletes**

**3 credits**

This course examines current counseling strategies used with members of sport teams at the youth, high school, college and professional levels. Participants will explore current research in three main areas: (a) motivation and life skill development, (b) psychosocial development, and (c) career maturity.

## PH.D. IN COUNSELOR EDUCATION AND SUPERVISION

### PROGRAM DESCRIPTION

The Ph.D. in Counselor Education and Supervision is intended to prepare individuals for employment as counselor educators in colleges and universities and as leaders in clinical mental health counseling, addictions counseling, or school counseling. The program provides doctoral students with the information and skills required to carry out scholarly research, lead organizations, and create new knowledge.

### PREREQUISITES

Prerequisites are required of all Ph.D. students. These courses (or their equivalents) either must have been taken prior to entry into the Ph.D. program, or must be taken as a part of the Ph.D. program. Each course is 3 credits unless otherwise indicated.

- CNS 505 Foundations of Counseling
- CNS 506 Lifespan Development
- CNS 508 Culture and Identity
- CNS 513 Counseling Theories
- CNS 514 Counseling Techniques
- CNS 516 Theory and Techniques in Career Counseling
- CNS 517 Theory and Techniques in Group Counseling
- CNS 518 Research Design and Program Evaluation
- CNS 519 Professional Issues and Ethics
- CNS 525 Testing and Appraisal
- CNS 546 Psychopathology and Diagnosis
- CNS 548 Family Counseling
- or CNS 558, Family Counseling in Addiction for addictions counselors
- CNS 565 Counseling Practicum (minimum of 100 hours)
- CNS 566 Counseling Internship (minimum of 600 hours)

The program leading to the Ph.D. degree consists of a minimum of 54 semester credits beyond the master's degree, a clinical practicum, and specialty practicum, an internship, a candidacy examination, and a dissertation.

### REQUIRED COURSES

*Counseling Core Content Concentration (24 credits minimum)*

- |         |   |
|---------|---|
| CNS 605 | Methods of Counselor Supervision  |
| CNS 606 | College Teaching and Methods of Counselor Education                             |
| CNS 607 | Multicultural Perspectives in Counselor Education, Supervision,<br>and Research |

CNS 608	Professional Orientation and Leadership in Counselor Education, Supervision, and Research
CNS 625	Advanced Counseling Theory and Skills
CNS 626	Advanced Group Counseling
CNS 627	Field Experience in College Teaching
CNS 628	Field Experience in Counselor Supervision
<i>Core (21 credits minimum)</i>	
CNS 609	Research Design and Program Evaluation
CNS 615	Introduction to Statistics and Quantitative Methods
CNS 616	Introduction to Qualitative Research
CNS 631	Advanced Research Methods
CNS 698	Dissertation Proposal Seminar
CNS 699	Dissertation Research (6 credits)
<i>Doctoral Counseling Practicum and Internship (9 credits minimum)</i>	
CNS 675	Advanced Supervised Practicum in Counseling (3 credits; minimum 200 hours)
CNS 665	Internship in Counseling (3-3 credits; minimum of 600 hours)

## PH.D. COURSE OFFERINGS

<b>CNS 605. Methods of Counselor Supervision</b>	<b>3 credits</b>
This course reviews contemporary models of counselor supervision. The course also explores ethical and multicultural issues in counselor supervision so that students may begin to develop their personal supervisory style based upon best practice standards.	
<b>CNS 606. College Teaching and Methods of Counselor Education</b>	<b>3 credits</b>
This course prepares student to teach counseling and related courses. Topics covered are learning theories, retention of material, motivation, classroom instructional strategies and techniques, and assessment of learning from the core learning expectations.	
<b>CNS 607. Multicultural Perspectives in Counselor Education, Supervision, and Research</b>	<b>3 credits</b>
Counseling doctoral students will study multicultural issues in counselor preparation graduate programs, counseling supervision, and counseling research. The role of spirituality in the client-counselor relationship will be explored.	
<b>CNS 608. Professional Orientation and Leadership in Counselor Education, Supervision, and Research</b>	<b>3 credits</b>
The course will focus on current issues in counseling. Relevant content will include the role of ethical and legal consideration in counselor education and supervision, social and cultural issues, social change theory, advocacy action planning, and developmental counseling.	
<b>CNS 609. Research Design and Program Evaluation</b>	<b>3 credits</b>
The doctoral-level course examines topics and controversies in qualitative and quantitative counseling research; this integration of theoretical with applied counseling material will augment the department's standard doctoral research offerings. The course also reviews the tenets of counseling program evaluation.	
<b>CNS 615. Introduction to Statistics and Quantitative Methods</b>	<b>3 credits</b>
This course focuses on the theories and methods of quantitative research by introducing students to basic topics in statistical analysis, including descriptive statistics and simple inferential statistics such as correlation, regression, t-tests, one-way analysis of variance, and chi-square.	
<b>CNS 616. Introduction to Qualitative Methods</b>	<b>3 credits</b>
This course concentrates on the theoretical underpinnings of qualitative research; methodology and methods including identification of ways to collect and analyze qualitative data; examination of ethical issues; development of proposals; and writing up studies.	
<b>CNS 625. Advanced Counseling Theory and Skills</b>	<b>3 credits</b>
This course provides an in-depth study of selected counseling theories targeted towards doctoral level providers.	
<b>CNS 626. Advanced Group Counseling</b>	<b>3 credits</b>
Development of group leadership skills through group experiences in class or in the field.	
<b>CNS 627. Field Experience in College Teaching</b>	<b>3 credits</b>

Students in this course will be assigned teaching activities in Graduate or Undergraduate Counseling courses while being supervised by program faculty members. The course is designed to help doctoral students refine teaching skills and develop a personal philosophy of counselor education that is grounded in theoretical framework. This course includes a 100 hour field experience.

**CNS 628. Field Experience in Counselor Supervision** **3 credits**  
**(Formerly CNS 628, Field Experience in Counselor Education and Leadership)**

Students in this course will be assigned as counselor supervisors in a Graduate Counseling course while being supervised by program faculty members. The course is designed to help doctoral students refine supervision skills and develop a personal philosophy of counselor supervision that is grounded in theoretical framework. This course includes a field experience component. Specialty topics include leadership as counselors in professional organizations and in response to crises and disasters.

**CNS 631. Advanced Research Methods** **3 credits**

This advanced research course focuses on forms of quantitative and qualitative inquiry. Quantitative methods include analysis variance, inference, multilevel and linear statistics. Qualitative methods include phenomenology, hermeneutics, and ethnography.

**CNS 665. Internship in Counseling** **3-3 credits**

This internship is designed to provide individual students with a planned program of advanced on-the-job professional experience in a college or community/agency setting. Internship assignments will be controlled and coordinated by a university instructor. Direct supervision is given by an experienced professional in the setting.

**CNS 675. Advanced Supervised Practicum in Counseling** **3 credits**

This advanced supervised practicum in counseling experience will enable doctoral-level students to develop and/or refine advanced counseling skills and conceptually link counselor practice and supervision.

**CNS 698. Dissertation Proposal Seminar** **3 credits**

This seminar is designed to assist students in making substantive progress in identifying and developing their dissertation proposal. Students will critically examine the current literature associated with their research interests and examine applicable conceptual constructs and methodologies.

**CNS 699. Dissertation Research** **3-3 credits**

Dissertation research represents the course load equivalent for the process of doctoral dissertation defense.

**GRD 999. Graduate Advisement** **1 credit**

Registration for this course allows for continuous enrollment in a graduate program, and provides the student with ongoing faculty guidance, supervision, and use of University resources as the final program requirements are being implemented and evaluated. Generally taken as a continuation of capstone courses. Pass-fail grade.

## **GPS – CRIMINAL INVESTIGATION**

### **MASTER OF ARTS**

### **MASTER OF ARTS/MASTER OF BUSINESS ADMINISTRATION**

**JAMES A. TANDA, M.S., DIRECTOR**

### **MASTER OF ARTS (MA) DEGREE IN CRIMINAL INVESTIGATION**

#### **GENERAL INFORMATION**

The Master of Arts degree in Criminal Investigation at Waynesburg University builds on the University's strong and unique undergraduate criminal justice, forensic science, computer security and forensics, and forensic accounting programs. The Waynesburg program concentrates on advanced investigatory techniques while stressing conceptual and theoretical skills. Students in the program study criminal investigation as it relates to evolving criminal investigation environments, more advanced crime scenes, and more complex crime, recognizing the importance of fundamental skills and the advantage of mastering advanced techniques. Given the curriculum of the program, the

candidates for the MACI Program hone advanced investigative techniques through crime scene analysis, intense study of leadership fundamentals, and practical investigative exercise which integrate the various areas of criminal investigation through case studies and written and oral presentations.

A Graduate Curriculum Committee (consisting of the Provost, the Dean of Institutional Effectiveness and Planning, and the Chairs and Directors of related disciplines) initiates curriculum modifications.

The MACI Program at Waynesburg University involves 30 credit hours of instruction, which may be completed in 12 months of intensive, full-time study. It also is possible to complete the requirements for the MACI Program on a part-time basis in less than 18 months.

All MACI courses are offered in the evenings in two 8-week sessions during the fall, spring, and summer semesters.

Admission to the program is offered to all graduates with a relevant four-year degree from accredited colleges and universities. The Director of Graduate Programs in Criminal Investigation will evaluate academic achievement at the undergraduate level, graduate work – if any, special skills, and other factors relevant to the prospective candidate.

## ADMISSION REQUIREMENTS

To be considered for admission into the MACI Program, the student must submit the following:

1. Application and essay
2. Official transcripts of all undergraduate and graduate coursework.
3. A current resume.

In order to be admitted to the program, the student must have:

1. Graduated from an accredited four-year college or university with a GPA 3.00 or higher
2. A successful Committee interview – Students seeking admission into the MACI Program may be admitted on a regular or conditional basis. The MACI admissions committee will review the student's educational background and work experience to determine the student's admission status based on the following criteria:
  - a. Completion of a baccalaureate degree or equivalent from an accredited institution of higher education.
  - b. Quality of the student's academic record and educational background.
  - c. Undergraduate or graduate courses relevant to Criminal Investigation.
  - d. The nature and extent of the student's work experience.
  - e. Involvement in communication activities.

Regularly admitted students are students who the admissions committee determines have the preparation to successfully complete the program.

Some applicants whose GPA is less than 3.00 may be admitted to the program conditionally and permitted to enroll in a maximum of four courses (12 credits). Upon completion of the four courses and fulfillment of any specified conditions, the student's record and admission criteria will be reviewed to determine the student's potential for successfully completing the program. If the evaluation of all relevant admission criteria is positive, the student must apply for admission to candidacy. After approval, the student will be permitted to complete the MACI Program.

International Student Admission Requirements:

- Application, essay, current resume, two letters of reference
- Transcripts translated into English by WES, World Education Services, of all academic educational work.
- TOEFL score for non-English speaking country – minimum score requirement is 80.
- Statement of financial support from certified financial institution. Statement must show adequate funds to pay tuition, fees, books, supplies, travel expenses and living expenses.
- Copy of passport and visa
- Admissions interview

## GRADUATE NON-DEGREE STUDENTS

In certain circumstances, with the approval of the Director of Graduate Programs in Criminal Investigation, students may be permitted to enroll in a maximum of two courses (6 credits) without completing the regular application process.

## FINANCIAL AID

Financial aid information may be obtained from the Financial Aid Office. Student loans are available to students taking a minimum of six semester hours. For the purposes of the MACI Program, a full-time student is considered to be anyone enrolled in a minimum of nine semester hours.

## DEGREE REQUIREMENTS

1. 30 semester hours of criminal investigation. All students must take 15-30 semester hours from Criminal Justice 514, 515, 516, 517, 518, 519, 525, 526, 527, 536, and 537, as well as the option to take 0-15 semester hours from Criminal Justice 529, 535, 566, 567, 575; MBA 535, 537, and 538
2. Candidates must complete 24 semester hours at Waynesburg University.
3. Students must achieve a 3.00 GPA in order to graduate from the program. The receipt of a letter grade of C or lower will automatically be reviewed by the Director of Graduate Programs in Criminal Investigation.
4. All students must begin the MACI Program within one year of notification of admission. Anyone who does not meet this deadline will be removed from the files and will have to reapply to proceed.
5. Requirements for the Master of Arts degree in Criminal Investigation must be completed within seven (7) years from the registration of the first MACI class.
6. Deactivation will occur if no registration activity is recorded two years after the last semester of enrollment. Anyone removed for this reason must reapply to continue in the program.

## CURRICULUM

### REQUIRED COURSES — 15-30 credits

CRJ 514 – Advanced Criminal Investigation  
 CRJ 515 – Advanced Crime Scene Investigation  
 CRJ 516 – Advanced Interview and Interrogation  
 CRJ 517 – Effective Behavioral Analysis  
 CRJ 518 – Research in the Justice System  
 CRJ 519 – Financial Crime Investigations  
 CRJ 525 – Drug Crime Investigations  
 CRJ 526 – Digital Evidence and Computer Crime Investigations  
 CRJ 527 – Intelligence and Homeland Security  
 CRJ 536 – Complex and Special Investigations  
 CRJ 537 – Gang and Organized Crime Investigations

### REQUIRED COURSES — 0-15 credits

CRJ 529 – Ethical Decision Making  
 CRJ 535 – Global Business  
 CRJ 566 – Behavioral Interviewing  
 CRJ 567 – Conflict Resolution  
 CRJ 575 – Organizational Behavior  
 MBA 535 – Data Analytics  
 MBA 537 – Human Resources Management  
 MBA 538 – Benefits and Compensation

## MA/MBA DUAL DEGREE

Students who pursue a Master of Arts degree in Criminal Investigation may choose to also pursue a Master of Business Administration degree. The MA/MBA degree is intended for students who desire more advanced business content to complement their graduate criminal investigation work. The MA degree in Criminal Investigation requires 30 credit hours plus an additional 24 credits in business courses for a total of 54 credits to earn the dual degree.

MA/MBA degree students must complete all curriculum and degree requirements for each degree. The MA/MBA degrees will be conferred at one time upon completion of all 54 credits. All credits must be completed within 7 years from the initial program enrollment.

### CURRICULUM — 54 CREDITS

*MA COURSES (30 credits from CRJ)*

CRJ 514 – Advanced Criminal Investigation  
 CRJ 515 – Advanced Crime Scene Investigation  
 CRJ 516 – Advanced Interview and Interrogation  
 CRJ 517 – Effective Behavioral Analysis  
 CRJ 518 – Research in the Justice System  
 CRJ 519 – Financial Crime Investigations  
 CRJ 525 – Drug Crime Investigations  
 CRJ 526 – Digital Evidence and Computer Crime Investigations  
 CRJ 527 – Intelligence and Homeland Security  
 CRJ 529 – Ethical Decision Making  
 CRJ 536 – Complex and Special Investigations  
 CRJ 537 – Gang and Organized Crime Investigations  
 CRJ 566 – Behavioral Interviewing  
 CRJ 567 – Conflict Resolution  
 CRJ 577 – Human Resource Management

*MBA COURSES (24 credits from BUS)*

MBA 505 – Accounting Concepts & Applications  
 MBA 506 – Applied Economics  
 MBA 507 – Global Business  
 MBA 515 – Financial Management  
 MBA 525 – Organizational Behavior  
 MBA 535 – Data Analytics  
 MBA 599 – Capstone Experience  
 MBA Elective

**GRADING**

The grading scale for the MACI Program will be available in the Program Guide.

**Courses Repeated:** A student may take any course for credit if he or she has met the prerequisites for the course and has not already taken the course and received a grade of B or better. When a course is repeated, both the first grade received and the grade earned in the repeated course remain a part of the permanent record; however, only the highest grade is used in computing the academic quotient. Additional credit is not given in cases where the original grade of the course repeated was C. A student who wishes to repeat a course must have the written permission of the Director of Graduate Programs in Criminal Investigation.

**Incompletes:** All MACI courses will follow the current Waynesburg University Catalog, which states:

The mark “I” is given if the work of the course is satisfactory but not completed, and may be removed by completing the unfinished work. Under no consideration, however, is the mark, “I”, given to a student whose work has been below the passing grade C. Such student is given the grade F. Incompletes are not given except in the case of extenuating circumstances (such as serious illness or death in the family). The student is responsible for filing a Request for Incomplete Grade form available through the Registrar’s Office. Incompletes must be made up in the first eight weeks of the term following the one in which the work reported incomplete is taken. An incomplete not so made up will be changed to F.

**ACADEMIC PROGRESSION**

All graduate students are required to have a cumulative GPA of 3.00 or higher to be eligible to receive a Master’s Degree from Waynesburg University.

To remain in good standing and progress through the curriculum:

- All courses during the graduate curriculum must be completed with a grade of C or higher.
- A student may receive no more than one grade of C or lower during the curriculum.
- A student may repeat a course only once.
- The student’s cumulative GPA must be at least 3.00.

If the student receives a grade of C or lower, a letter of warning will be sent to remind the student of the academic progression policy and standards. Students' academic performance will be reviewed at the end of each session.

If the student's cumulative GPA falls below 3.00, the student will be placed on warning, and must raise the GPA to 3.00 or higher by the completion of the next 6 credits.

A graduate student will be dismissed from the program if any of the following occur:

- The student receives more than one grade of C or lower.
- The student is unable to achieve a cumulative GPA of 3.00 or higher after completing the next 6 credits following a warning.
- The student is unable to successfully complete a course with a grade of B or higher after repeating the course one time.

## NOTIFICATION OF ACADEMIC STATUS

Waynesburg University makes every effort to notify students of their academic status. A certified letter is mailed to each graduate student placed on suspension. Since communication by mail may be delayed or misdirected, it is the responsibility of every student to obtain this information. Non-receipt of a letter by a suspended student will not be considered grounds for claiming eligibility to enroll for a subsequent semester.

NOTE: All other policies and procedures outlined by the current Waynesburg University Academic Catalog will be adhered to by the MACI program. For Financial Aid Satisfactory Academic Progress (SAP) – see Graduate and Professional Studies pages in Academic Catalog and the Student Program Guide.

## CRIMINAL INVESTIGATION GRADUATE COURSE OFFERINGS (See MBA section for BUS course offerings)

### **CRJ 514. Advanced Criminal Investigation**

**3 credits**

This course is a practical and theoretical approach to advanced level techniques for perfecting criminal investigations in state and federal law enforcement. This advanced techniques course includes the systematic approach to solving certain violent crimes, complex cases, gang and organized crimes involving RICO, Continuing Criminal Enterprises and multi-defendant conspiracies which require unique investigative as well as prosecutorial strategies. This course also focuses on lead development from physical evidence recovered during crime scene examinations, advanced electronic surveillance techniques, the importance of advanced interviewing techniques as it relates to course development, post-mortem death investigations, behavioral analysis, intelligence gathering, and the legal and practical aspects of search warrant execution.

### **CRJ 515. Advanced Crime Scene Investigation**

**3 credits**

This course is designed to explore advanced areas of crime scene investigation. This course will be an in depth study of topics such as Autopsy, Forensic Anthropology, Collection and Preservation of Evidence, Blood Spatter Analysis, Documentation (e.g., sketching and photography), Death Scene Investigation, and Investigation of Specialized Scenes (explosions; outdoor; accident scenes). Other activities will serve to give students insight into various aspects of forensic science such as table top exercises, case studies, guest speakers, and field trips.

### **CRJ 516. Advanced Interview and Interrogation**

**3 credits**

This course provides theoretical, legal, and practical instruction in the ever-changing area of interview and interrogation by police officers, federal law enforcement agents, and detectives involved in criminal, civil, and financial investigations.

### **CRJ 517. Effective Behavioral Analysis**

**3 credits**

This course will teach students to describe and analyze the behavior patterns, traits and characteristics of offenders in specific criminal cases. It will help them to apply those behaviors to factual situations where the student can determine the behaviors and characteristics of an unknown suspect. A variety of teaching methods, including lecture, videos, guest lecturers, cold case study and assigned text study will be employed.

### **CRJ 518. Research in the Justice System**

**3 credits**

This course is an exploration of the specialized methods and sources of legal and justice research in the areas of: justice publications and resources, case collections, computer-assisted research, constitutional law and history, legal



history, legal periodicals, legislative history, practice and procedures, administrative rules and regulations, foreign laws and treatises, and social science materials. The course includes an analysis of the uses of research, as well. Applications of research will be required.

**CRJ 519. Financial Crime Investigations**

**3 credits**

This course is designed to explore how finances can be utilized in a criminal investigation and prosecution. The topics that will be covered in this course will include forensic accounting, corporate crime/white collar crime, money laundering, and RICO prosecutions. A variety of teaching methods will be utilized, including lecture, guest lectures, videos, and practical exercises.

**CRJ 525. Drug Crime Investigations**

**3 credits**

This course is a theoretical and practical approach to investigating drug crimes by local, state and federal law enforcement. This course includes the present day methods and practices used by police, detectives, and narcotics officers to identify, interdict, and seize the full range of illegal drugs, prescription narcotics, and emerging trends such as synthetic drugs in today's society. Complex investigative techniques will be presented for the effective investigation and eventual prosecution of street level distribution crimes, interstate and international drug trafficking cases, gangs, DTO (Drug Trafficking Organizations), and organized crime involved in drug trafficking.

**CRJ 526. Digital Evidence and Computer Crime Investigations**

**3 credits**

This course will explore the ever-changing world of digital evidence and computer crime. The topics to be covered will include cell phone data/tracking, collection of digital evidence, legal/ethical issues with digital evidence, social media in a criminal investigation, and tracking digital footprints.

**CRJ 527. Intelligence and Homeland Security**

**3 credits**

This course is designed to provide an understanding of how intelligence is used in support of developing US policy to protect the Homeland. Facilitated discussions of the reading material require students to interpret how intelligence is applied to policymaking. Topics to be covered will include the history of Homeland security, intelligence collection methods, Fusion Centers, national and international counter terrorism, and ethical considerations regarding intelligence.

**CRJ 529. Ethical Decision Making (Cross-listed as MBA 508)**

**3 credits**

This course provides a study of the changing environments of business and the consequent changing role of business in society. The theory of capitalism is fully developed and related to modern American business. Topics such as social values, corporate power, pluralism, social responsibility, and business ethics are addressed. Contemporary issues such as pollution, consumerism, and urban decay are viewed from the perspective of the business manager. Governmental regulations and policies are shown to have a significant effect on the firm. The future of business, government, and society is debated.

**CRJ 535. Global Business (Cross-listed with MBA 507)**

**3 credits**

This course is a study of the world market and an analysis of economic, political, cultural, and business trends as they influence the multinational corporation. Risk taking, financing, and investment are considered. Marketing variations among countries are discussed. Students are required to prepare a research report on the operation of a corporation doing business abroad or of another country's business system.

**CRJ 536. Complex and Special Investigations**

**3 credits**

The Complex and Special Investigations course will provide theoretical, legal, and practical instruction in the art and science of solving the most challenging criminal investigations. This course will examine local, state, and federal law enforcement's best practices for conducting and solving the most complex and challenging types of investigations, including complex conspiracies, multiple defendant cases, serial or spree crimes, interstate and international crimes, and cold case investigations.

**CRJ 537. Gang and Organized Crime Investigations**

**3 credits**

This course is a practical and theoretical approach to Gangs and Organized Crime. This course includes the identification of gangs to include various Street gangs, Prison gangs, and Outlaw Motorcycle gangs. The course also includes identification of various ethnic gangs to include Asian, Eastern European, and Italian Organized Crime Groups. The course will cover trends of the various crime groups and their associated crimes and investigative techniques utilized to combat these groups.

**CRJ 566. Behavioral Interviewing (Cross-listed as MBA 547)**

**3 credits**

This course examines the process of interviewing prospective candidates for a position, using a particular style of questioning, known as behavioral interviewing. Legal issues are addressed. Students practice behavioral interviewing and determine strategies for creating an effective climate for successful interviews. Prerequisite: CRJ 575.

**CRJ 567. Conflict Resolution (Cross-listed as MBA 539)****3 credits**

This course will require students to utilize knowledge and skills that have been developed in prior coursework and in their outside, personal and professional environments. In addition to learning new concepts, students will be required to utilize what they have acquired in the past in order to understand and resolve typical and yet sometimes complex real-life interactions.

**CRJ 575. Organizational Behavior (Cross-listed as MBA 525)****3 credits**

The organizational structure of the institution is studied. Topics addressed include: organizational patterns, goal setting, planning, leadership, motivation, communication, production, morale, rewards, conflict, and change. The course integrates contemporary readings and case analysis with the topics being addressed.

## GPS – EDUCATION

MASTER OF ARTS IN TEACHING

MASTER OF EDUCATION

YVONNE BEVERINA WEAVER, M.A., INTERIM DIRECTOR OF GRADUATE  
PROGRAMS IN EDUCATION

### GENERAL INFORMATION

The Graduate Programs in Education at Waynesburg University include the following degrees: (1) M.A.T., with secondary teacher certification in Biology, Chemistry, English, General Science, Math or Social Studies; (2) M.Ed. in Instructional Technology; (3) M.Ed. in Instructional Technology, with Specialist Certification; (4) M.Ed. in Special Education; and (5) M.Ed. with concentrations in Autism, Curriculum and Instructional Leadership, or Online Teaching. These master degree programs are 30 or 36 credit hours, depending on the concentration.

The following certificates or programs are also available: (1) the Autism Spectrum Disorders Endorsement Program – 12 credit hours and (2) the Special Education Certification Program – 30 credit hours.

Classes are offered evenings in 8-week sessions during the fall, spring and summer semesters. The programs feature a varied presentation format. Students will experience a mix of face-to-face, 100% online, and blended online and face-to-face classes as they progress through the programs. A minimum 12 week, full time student teaching placement is required for M.A.T. candidates. A practicum is required for the Instructional Technology Specialist certificate and the Special Education program.

The director will review all applications to determine if admission requirements are met.

### ADMISSION REQUIREMENTS

In order to be admitted to ALL Graduate Education Programs, the student must have met the following criteria:

- B.A. or B.S. degree from an accredited institution of higher education
- 3.00 undergraduate grade point average
- Formal application with essay
- Official college transcripts
- Current résumé

In addition, applicants to the M.A.T. Program must meet the following additional criteria:

- One college level introductory psychology course
- B.A. or B.S. in Biology, Chemistry, English, General Science, Mathematics, History or equivalent coursework
- You must have current (no more than one year old) clearances for ACT 34 Criminal Record, ACT 151 Child Abuse Record, and FBI Federal Criminal History; negative TB test report dated no more than two years prior to the internship
- Membership in Student Pennsylvania State Education Association (SPSEA)

- Students whose native language is not English must also submit an official report of TOEFL scores or other proof of competency in English

In addition, applicants to the M.Ed. in Instructional Technology, with Specialist Certification, must meet the following additional criteria:

- Current Pennsylvania teaching certification

In addition, applicants to the Special Education Certification Program must meet the following additional criteria:

- Literacy instruction/methods course
- Math instruction/methods course
- Developmental or educational psychology course that addresses the PreK-8 grade band
- Current (no more than one year old) clearances for ACT 34 Criminal Record, ACT 151 Child Abuse Record and FBI Federal Criminal History; negative TB test report dated no more than two years prior to the internship prior to your Practicum experience

## CONDITIONAL ADMISSIONS

Students seeking admission into a graduate education program may be admitted on a regular or a conditional basis. Regularly admitted students are students who the admissions committee determines have the preparation to successfully complete the program. Students who do not meet the above admission criteria may be considered for conditional admission after a personal interview with the program director.

A conditionally admitted student may enroll in a maximum of four courses (12 credits). Upon completion of the four courses and fulfillment of any specified conditions, the student's record and admissions criteria will be reviewed to determine the student's potential for successfully completing the program. If the evaluation of all relevant admission criteria is positive, the student's admission status will be changed to reflect a regular admission.

## GRADUATE NON-DEGREE STUDENTS

Individuals with a Pennsylvania Level I Instructional Certificate may take up to 24 credits without enrolling in a degree program. These credits will apply toward a Level II Instructional Certificate and will be eligible for Act 48 credit. Individuals who already have their Level II Instructional Certificate may enroll in courses, up to 24 credits, without enrolling in a degree program to fulfill Act 48 requirements for continued certification.

## FINANCIAL AID

Financial aid information may be obtained from the Financial Aid Office. Student loans are available to students enrolled for a minimum of six semester hours. For the purposes of graduate education programs, a full-time student is considered to be anyone enrolled in a minimum of nine semester hours.

## PREREQUISITES

For all graduate education programs a student will need to have access to an Internet connection (high speed access is preferred). Students need basic computer skills including e-mail, word processing, and Internet usage to succeed in these programs.

## DEGREE REQUIREMENTS

1. 30 or 36 semester credits of graduate education courses.
2. Candidates must complete 27 semester credits in the 36 credit programs and 24 in the 30 credit programs at Waynesburg University.
3. Students must achieve a 3.00 academic average in order to graduate. The Director of Graduate Programs in Education will automatically review the receipt of a letter grade of C or lower.
4. All students must begin their Graduate Education Program within one year of notification of admission. Failure to do so will require the student to reapply.
5. Requirements for all degree and certification programs must be completed within seven (7) years of registration for the first class unless otherwise notified.

6. Inactive status will occur if no registration activity is recorded within two years following the last term of enrollment. Students will be required to reapply to reactivate their graduate student status.
7. Degree and certification requirements are subject to change based upon changes in Pennsylvania Department of Education regulations.

## GRADING

The grading scale for all Graduate Education Programs is available in the Program Guide.

**Courses Repeated:** A student may take any course for credit if he or she has met the prerequisites for the course and has not already taken the course and received a grade of B or better. When a course is repeated, both the first grade received and the grade earned in the repeated course remain a part of the permanent record; however, only the highest grade is used in computing the academic quotient. Additional credit is not given in cases where the original grade of the course repeated was C. A student who wishes to repeat a course must have the written permission of the Director of the Graduate Programs in Education.

**Incompletes:** All courses will follow the current Waynesburg University Catalog, which states:

The mark I is given if the work of the course is satisfactory but not completed, and may be removed by completing the unfinished work. Under no consideration, however, is the mark, I, given to a student whose work has been below the passing grade C. Such student is given the grade F. Incompletes are not given except in the case of extenuating circumstances (such as serious illness or death in the family). The student is responsible for filing a Request for Incomplete Grade form available through the Registrar's Office. Incompletes must be made up in the first eight weeks of the term following the one in which the work reported incomplete is taken. An incomplete not so made up will be changed to F.

## ACADEMIC PROGRESSION

All graduate students are required to have a cumulative GPA of 3.00 or higher to be eligible to receive a Master's Degree from Waynesburg University.

To remain in good standing and progress through the curriculum:

- All courses during the graduate curriculum must be completed with a grade of C or higher.
- A student may receive no more than one grade of C or lower during the curriculum.
- A student may repeat a course only once.
- The student's cumulative GPA must be at least 3.00.

If the student receives a grade of C or lower, a letter of warning will be sent to remind the student of the academic progression policy and standards. Students' academic performance will be reviewed at the end of each 8-week session.

If the student's cumulative GPA falls below 3.00, the student will be placed on warning and must raise the GPA to 3.00 or higher by the completion of the next 6 credits.

A graduate student will be dismissed from the program if any of the following occur:

- The student receives more than one grade of C or lower.
- The student is unable to achieve a cumulative GPA of 3.00 or higher after completing the next 6 credits following a warning.
- The student is unable to successfully complete a course with a grade of B or higher after repeating the course one time.

## NOTIFICATION OF ACADEMIC STATUS

Waynesburg University makes every effort to notify students of their academic status. A certified letter is mailed to each graduate student placed on suspension. Since communication by mail may be delayed or misdirected, it is the responsibility of every student to obtain this information. Non-receipt of a letter by a suspended student will not be considered grounds for claiming eligibility to enroll for a subsequent semester.

## CURRICULUM

### MASTER OF ARTS IN TEACHING

#### Required Courses:

EDU 505 – Introduction to Educational Technologies	3.0
EDU 515 – Educational Assessment	3.0
EDU 535 – Foundations of Education	3.0
EDU 536 – Educational Psychology: Developing Learners	3.0
EDU 538 – Instructional Design and Curriculum Development	3.0
EDU 539 – Reading, Writing and Speaking in Content Areas	3.0
EDU 545 – Teaching Methods for Secondary Content Areas	3.0
EDU 546 – Student Teaching	5.0
EDU 547 – Seminar in Secondary Student Teaching	1.0
EDU 567 – The English Language Learner	3.0
SPE 505 – Teaching Students with High Incidence Disabilities	3.0
SPE 509 – Content Areas Instructional Strategies	3.0
Total:	36.0

#### **MASTER OF EDUCATION IN INSTRUCTIONAL TECHNOLOGY**

##### **Required Courses:**

EDU 505 – Introduction to Educational Technologies	3.0
EDU 508 – Contemporary Issues in Technology	3.0
EDU 509 – Integrating Technology with Teaching and Learning	3.0
EDU 515 – Educational Assessment	3.0
EDU 518 – Online Course Design and Instructional Strategies	3.0
EDU 521 – Introduction to Multimedia	3.0
EDU 522 – Advanced Multimedia	3.0
EDU 525 – Project	3.0
EDU 527 – Telecommunications and Networking	3.0
EDU 538 – Instructional Design and Curriculum Development	3.0
EDU 599 – Educational Research	3.0
SPE 505 – Teaching Students with High Incidence Disabilities	3.0
Total:	36.0

#### **MASTER OF EDUCATION IN INSTRUCTIONAL TECHNOLOGY, WITH SPECIALIST CERTIFICATION**

##### **Required Courses:**

EDU 505 – Introduction to Educational Technologies	3.0
EDU 508 – Contemporary Issues in Technology	3.0
EDU 509 – Integrating Technology with Teaching and Learning	3.0
EDU 515 – Educational Assessment	3.0
EDU 518 – Online Course Design and Instructional Strategies	3.0
EDU 519 – Practicum	3.0
EDU 521 – Introduction to Multimedia	3.0
EDU 525 – Project	3.0
EDU 527 – Telecommunications and Networking	3.0
EDU 567 – The English Language Learner	3.0
SPE 505 – Teaching Students with High Incidence Disabilities	3.0
SPE 509 – Content Areas Instructional Strategies	3.0
Total:	36.0

#### **MASTER OF EDUCATION IN SPECIAL EDUCATION AND SPECIAL EDUCATION CERTIFICATION**

##### **Required Courses (for certification):**

EDU 567 – English Language Learner	3.0
SPE 505 – Teaching Students with High Incident Disabilities	3.0
SPE 506 – Teaching Students with Low Incident Disabilities	3.0
SPE 507 – Special Education Processes and Procedures	3.0

SPE 509 – Content Areas Instructional Strategies	3.0
SPE 516 – Teaching Students with Behavioral and Emotional Disabilities	3.0
SPE 517 – Practicum	3.0
SPE 525 – Autism Etiology and Characteristics of ASD	3.0
SPE 547 – Teaching in the Inclusive Classroom	3.0
SPE 548 – Advanced Special Education Processes, Procedures, and Instructional Strategies	3.0
Total for Certification:	30.0
<b>Required Courses (for M.Ed.):</b>	
EDU 599 – Educational Research	3.0
SPE 508 – Technology and Support Instruction	3.0
Total for M.Ed.	36.0

### **MASTER OF EDUCATION (30 CREDITS)**

#### **Core Courses (21 credits)**

EDU 508 – Contemporary Issues in Technology	3.0
EDU 518 – Effective Instructional Strategies for Teaching Online	3.0
EDU 536 – Educational Psychology: Developing Learners	3.0
EDU 538 – Instructional Design and Curriculum Development	3.0
EDU 599 – Educational Research	3.0
SPE 515 – Teaching Students with Autism Spectrum Disorders	3.0
SPE 547 – Teaching in the Inclusive Setting	3.0

#### **CONCENTRATIONS (9 credits each for a total of 30 credits)**

##### **Autism**

• SPE 525 – Autism Etiology and Characteristics of ASD	3.0
• SPE 526 – Behavioral Analysis and Interventions for Students with of ASD	3.0
• SPE 527 – Communication and Social Competence for Students with ASD	3.0

##### **Curriculum and Instructional Leadership**

• EDU 507 – Curriculum and Instruction Leadership	3.0
• EDU 577 – Supervision & Management	3.0
• EDU 578 – School, Community Relations	3.0

##### **Online Teaching**

• EDU 505 – Introduction to Educational Technologies	3.0
• EDU 509 – Integrating Technology with Teaching and Learning	3.0
• EDU 521 – Introduction to Multimedia	3.0

### **AUTISM SPECTRUM DISORDERS ENDORSEMENT PROGRAM**

#### **Required Courses:**

SPE 515 – Teaching Students with Autism Spectrum Disorders	3.0
SPE 525 – Autism Etiology and Characteristics	3.0
SPE 526 – Behavioral Analysis and Interventions for Students with Autism Spectrum Disorders	
SPE 527 – Communication and Social Competence for Students with Autism Spectrum Disorders	3.0
Total:	12.0

## **EDUCATION GRADUATE COURSE OFFERINGS**

**EDU 505. Introduction to Educational Technologies****3 credits**

A survey of the applications of traditional and emerging technologies related to curriculum, research, online learning environments, distance learning, teacher professional development and school reform. Students will have firsthand experience with the utilization of a wide range of technologies and Web resources. Examination of issues of technology related to the present and future concerns in education will be addressed.

**EDU 507. Curriculum and Instruction Leadership****3 credits**

This course focuses upon the curriculum development process and the role of the principal in that process. Students will explore contemporary trends and challenges in the development of curriculum and academic standards in the 21st century school and will develop a strategic plan to enhance student achievement.

**EDU 508. Contemporary Issues in Technology****3 credits**

An exploration of the current trends and issues facing K-12 educators in providing educational and information technology to staff and students. The course also provides a broad overview of current instructional websites and equipment that can be used in traditional, as well as online school settings. Ethical guidelines, federal and state laws and regulations, including copyright, censorship, local board policies and professional organization guidelines for technology in education will also be addressed. Students will collaborate with classmates to design a working district technology policy and will conduct independent research on current educational technology topics of interest.

**EDU 509. Integrating Technology with Teaching and Learning****3 credits**

An application of technology tools to the teaching and learning environment. Students will prepare web-based units of study that addresses the approved Pennsylvania State Academic Standards for a selected discipline and the NETS standards for technology usage by students. These units will require K-12 students to use technology for research and problem solving. The projects will also be applicable to distance learning and / or online learning environments.

**EDU 515. Educational Assessment****3 credits**

This course is designed to prepare teachers to utilize and assess formal as well as informal assessment instruments so as to evaluate and interpret relevant data. Topics include rubrics, portfolios, special education evaluation reports, statewide assessment reports and informal assessments used for the purposes of planning instruction and/or evaluating instructional strategies. Legalities, regulations ethical considerations, bias and assessments of students from culturally and/or diverse backgrounds are addressed. A field experience is required.

**EDU 518. Online Course Design and Instructional Strategies****3 credits**

In this overview of online pedagogy and online course creation, the participant will develop effective online content for their subject area that actively engages the student learner by using student collaboration, inquiry-based learning, and other student-centered classroom techniques. Participant will integrate the tools, techniques and technologies introduced in the other courses in this program into an online course management system to create a complete online unit. In addition to course creation, participant will explore best practices for online instruction such as facilitating online discussion participation, providing digital feedback, developing an online voice, managing accommodations, creating appropriate grouping, and designing effective assessments. Participants will model compliance with acceptable use guidelines, copyright and other issues relevant to 21st century teaching and learning technologies.

**EDU 519. Practicum****3 credits**

A structured practical working experience for a minimum of 75 clock hours in an educational setting under the supervision of an Instructional Technology Specialist. Students will consult with administrators, faculty, school-age students (K-12) and parents to evaluate available technology and to put into practice those resources that meet student needs. The emphasis will be placed on collaboration and leadership skills for technology integration.

**EDU 521. Introduction to Multimedia****3 credits**

An introduction to multimedia production techniques using image software, video software, scanners, digital cameras and digital video cameras. Strategies for teaching and managing a classroom with 2-3 computers and multimedia equipment will be explored. All of the techniques used in this class are applicable to either standard classroom activities or may also be utilized for online or distance learning environments as well.

**EDU 522. Advanced Multimedia****3 credits**

An opportunity to learn about the design and implementation issues involved in the utilization of software applications for education and training purposes. It is a hands-on-course that requires the completion of several different educational software projects. While the project can take any form, it is assumed that each student will produce projects that will be multimedia, digital audio/video and/or web-based.

**EDU 525. Project****3 credits**

An independent study, culminating activity for students in the Master of Education in Instructional Technology Program. The student will develop a comprehensive faculty training package related to an area of interest approved by the course instructor. The project will provide a six to ten hour training experience that is project based. The final project will be archived on a CD and submitted to the Program Director.

**EDU 527. Telecommunications and Networking 3 credits**

A course to prepare students to plan, design, construct and evaluate computer and telecommunications networks. It is designed to be useful for teachers, librarians, and administrators considering potential applications of computer, network and telecommunications technologies. By applying both theoretical and practical knowledge, the course will facilitate examination of telecommunications networks and their impact upon the educational process.

**EDU 529. Thesis (Independent study) 6 credits**

An individual systematic study of a current issue or problem related to educational technology. Methodologies may be either qualitative or action research.

**EDU 535. Foundations Education 3 credits**

A study of the current issues and trends in education and their historical, sociological, and philosophical backgrounds. This course provides a critical overview of historical, intellectual, social and political foundation of American education emphasizing the analysis of differing views regarding the relationship of public schools and American society.

**EDU 536. Educational Psychology: Developing Learners 3 credits**

A study of psychological concepts and principles that impact the teaching and learning process for middle and secondary students. This course will focus upon the application and integration of psychological principles and developmental theory in the classroom including: physical, cognitive, social, and affective development. Prerequisite: Introduction to Psychology at the undergraduate level.

**EDU 538. Instructional Design and Curriculum Development 3 credits**

An examination of instructional design theories applicable to both training and educational environments. Students will investigate the factors influencing curriculum and instruction and apply appropriate instructional design to the development of educational materials for adult learners or students in the K-12 classroom.

**EDU 539. Reading, Writing and Speaking in Content Areas 3 credits**

This course will focus on the methods, theories and materials of teaching the reading process and utilizing writing and speaking in the content fields of Biology, Chemistry, English General Science, Math, and Social Studies. A field experience is required.

**EDU 545. Teaching Methods for Secondary Content Areas 3 credits**

A study of the concepts, theories, and methods for teaching at the secondary level. The course explores instructional planning, teaching strategies, classroom management, and assessment in the context of the secondary classroom. A field experience is required.

**EDU 546. Student Teaching 5 credits**

Student teaching in a secondary school setting under the sponsorship of a general education classroom teacher with supervision shared by the sponsoring teacher and Waynesburg University faculty.

**EDU 547. Seminar in Secondary Student Teaching 1 credit**

This course will reflect the contemporary issues a beginning educator will face. These issues will include but not be limited to: school law, alternative assessments, classroom management, learning styles, technology, teacher certification, and portfolio review. Course taken concurrently with EDU 546.

**EDU 555. The Adult Learner 3 credits**

This course serves as an introduction to the major issues and concerns in the field of adult education as both a formal field of study and a context for professional practice.

**EDU 556. Behavioral Intervention 3 credits**

This course is designed to prepare prospective special education teachers to manage the classroom using applied behavior analysis, positive behavioral support methods and problem-solving strategies. Students will learn to implement behavioral interventions based on functional analyses of behaviors. A field experience is required.

**EDU 557. Instructional Intervention – Elementary Students with Disabilities 3 credits**

This course is designed to prepare prospective special education teachers to plan, organize, adapt, and present instruction in several curricula areas. The use of consultative and collaborative approaches known to facilitate success of PreK-6 students with disabilities in inclusive education programs is emphasized. A field experience is required.



**EDU 565. Literacy Remediation 3 credits**

This course provides a study of theory, research, assessment, and instructional strategies specific to literacy remediation. The emphasis will be upon providing a framework for assessing and teaching students who struggle with the literacy skills of reading and writing. A field experience is required.

**EDU 566. Faith and the Christian Teacher 3 credits**

This course provides a study of the role that a Christian teacher plays in our public schools. There exists much confusion over whether or not teachers must leave their faith outside the classroom. Current and prospective educators will explore their legal rights and responsibilities as they relate to faith.

**EDU 567. The English Language Learner 3 credits**

This course is designed to prepare teachers to address the instructional needs of English Language Learners. The emphasis will be upon increasing awareness of the impact of culture and language skills upon the student learning experience and the acquisition of knowledge and skills to enhance the literacy and academic experiences of students in grades K-12 who are classified as English Language Learners. A field experience is required.

**EDU 576. Management Information Systems 3 credits**

An introductory management information systems course providing the student with a broad exposure to information systems theory and practice. The focus of the course is upon key managerial issues concerned with the role of information systems in organizations. Although the course will examine the functions of technical areas within organizational systems, there is no assumption that the students bring a background of technical expertise in computer programming, network management or telecommunications.

**EDU 577. Supervision and Management 3 credits**

This course focuses upon theory and practice specific to the role of the principal as the building level manager and supervisor. Topics addressed will include strategic planning, school reform, financial analysis and decision making, school safety, personnel recruitment, selection, mentoring and retention, and professional development.

**EDU 578. School, Community Relations 3 credits**

This course focuses upon the role of the principal in the development of positive school-community interactions and the development of a learning community dedicated to fostering student achievement. Topics addressed will include consensus building, communications strategies, family involvement, advocacy, and professional integrity.

**EDU 595. Special Topics 3 credits**

Topics reflective of current theories and practices in education will be announced by semester. Prerequisite: Permission of the Director of Graduate Programs in Education.

**EDU 597. Independent Study 1-6 Credits**

Independent research on topics specific to the field of education. Prerequisite: Permission of the Director of Graduate Programs in Education

**EDU 599. Educational Research 3 credits**

A study of research through the investigation of current research practices in the field of education. Students will examine the methodology and interpretation of both qualitative and quantitative research and the writing skills and processes needed to develop a research proposal.

**GRD 999. Graduate Advisement 1 credit**

Registration for this course allows for continuous enrollment in a graduate program, and provides the student with ongoing faculty guidance, supervision, and use of University resources as the final program requirements are being implemented and evaluated. Prerequisite: completion of all required courses. Pass-fail grade.

**SPE 505. Teaching Students with High Incidence Disabilities 3 credits**

This course will prepare teachers to provide effective instruction for individuals with high incidence disabilities within a framework of understanding of exceptional students. First, an understanding of the philosophical, legal and historical foundations of exceptional students will be created. Then, a knowledge base regarding specific learners with high incidence disabilities will be developed and applied to: assess individual student learning needs, design instruction based upon those needs, and implement an appropriate instructional plan using evidence based effective instructional practices. A field experience is required.

**SPE 506. Teaching Students with Low Incidence Disabilities 3 credits**

This course is designed to prepare prospective special education teachers to provide effective instruction for individuals with low incidence disabilities. The emphasis will be upon increasing the awareness of general, low incidence disability-specific learning characteristics and the use of that knowledge base to assess individual student learning

needs, design instruction based upon those needs, and implement the instructional plan using evidence based effective instructional practices for the low incidence disability population.

**SPE 507. Special Education Processes and Procedures 3 credits**

This course is designed to provide the knowledge and skills required to implement federal and state mandates for the provision of special education services. The emphasis will be placed upon an examination of the evaluation tools and assessment techniques used in the evaluation, identification and ongoing assessment of students with special needs, the development of the Individualized Education Program (IEP), and the use of the IEP as a guide for individualized instruction.

**SPE 508. Technology to Support Instruction 3 credits**

This course provides a comprehensive look at the range of technologies available to support students with special needs in the school setting. The emphasis will be upon the selection and utilization of appropriate technologies to enhance the student learning experience.

**SPE 509. Content Area Instructional Strategies 3 credits**

This course is designed to prepare educators to support students with learning disabilities in content area classes. The course emphasizes organization, adaptation, and utilization of effective instructional techniques and student-centered learning strategies to meet the individual learning needs of the student with a learning disability across the content areas.

**SPE 515. Teaching Students with Autism Spectrum Disorders 3 credits**

This course is designed to prepare prospective special education teachers to provide effective instruction for individuals with autism spectrum disorders. The emphasis will be upon increasing the awareness of general, autism spectrum disorder-specific learning characteristics and the use of that knowledge base to assess individual student learning needs, design instruction based upon those needs, and implement the instructional plan using evidence based effective instructional practices for the autism spectrum disorder population.

**SPE 516. Teaching Students with Behavior and Emotional Disabilities 3 credits**

This course is designed to prepare prospective special education teachers to provide effective instruction for individuals with behavior and emotional disabilities. The emphasis will be upon increasing the awareness of general, behavior and emotional disability-specific learning characteristics and the use of that knowledge base to assess individual student learning needs, design instruction based upon those needs, and implement the instructional plan using evidence based effective instructional practices for the behavior and emotional disabilities population.

**SPE 517. Practicum 3-6 credits**

An on-site special education teaching experience working directly with students with special needs under the direction of a highly qualified special educator with shared supervision by the host teacher and Waynesburg University faculty. Student is required to complete a six (undergraduate) to maximum of eight (post-baccalaureate), consecutive week placement.

**SPE 525. Autism Etiology and Characteristics of ASD 3 credits**

This course provides class participants with an overview of the characteristics, etiology, and prevalence of autism spectrum disorders (ASD). Emphasis will be placed on collaborative strategies to develop and implement comprehensive individual educational programs based on meeting the unique needs of learners with autism in inclusive environments. The course will highlight evidence-based practices and enhancing collaboration among individuals with ASD, their families, and supporting professionals. 20 hour field experience required.

**SPE 526. Behavioral Analysis and Interventions for Students with ASD 3 credits**

This course provides class participants with the knowledge and skills necessary to develop, implement and evaluate the impact of positive behavior support and applied behavior analysis. Emphasis will be placed on understanding the function of challenging behaviors, the teaching of new skills that make the challenging behavior unnecessary for the learner, and the prevention of the reoccurrence of challenging behaviors. The course will include functional behavior assessment and positive behavior support as foundations of appropriate behavioral intervention in keeping with the Individuals with Disabilities Education Act. 20 hour field experience required.

**SPE 527. Communication and Social Competence for Students with ASD 3 credits**

This course provides students with an overview of typical language acquisition and development as compared with students with Autism Spectrum Disorders. The course emphasizes the visual aspects of language learning as well as the notion of "communication as behavior" and addresses the role of alternative and augmentative communication technologies to support individuals with ASD. Additionally, this course introduces students to the common sensory

integration issues often associated with Autism. The course provides techniques used for language development and collaboration with families and related service providers, as well as focusing on the importance of teaching skill-generalization across multiple settings and situations.

**SPE 547. Teaching in the Inclusive Setting (Cross-listed as EDU 549)**

**3 credits**

This course is designed to provide the teacher with essential collaboration skills. Various collaboration techniques and procedures will be explored. The use of the skills in the collaborative and consultative teaching models will be emphasized.

**SPE 548. Advanced Special Education Processes, Procedures and Instructional Strategies**

**3 credits**

This course builds upon information provided in SPE 507. Separate sections will be offered for students in the PreK-8 and 7-12 Special Education certification programs. PreK-8 certification candidates will focus upon the development of the individualized Family Services Plan (IFSP) as well as effective instructional practices for students with special needs across the PreK-8 grade band. 7-12 certification candidates will focus upon secondary transition processes and procedures as well as effective instructional practices for students with special needs across the 7-12 grade band.

Prerequisite: SPE 507.

## **GPS – NURSING PROGRAMS**

**RN TO BSN PROGRAM**

**MASTER OF SCIENCE IN NURSING**

**MASTER OF SCIENCE IN NURSING/MASTER OF SCIENCE IN BUSINESS**

**ADMINISTRATION PROGRAM**

**DOCTOR OF NURSING PRACTICE**

**KATHY A. STOLFER, ED.D., R.N., C.N.E., CHAIR AND DIRECTOR, DEPARTMENT OF  
NURSING**

**LINA HIXSON, PH.D., R.N., DIRECTOR, MSN & RN TO BSN PROGRAMS**

**CAROL PATTON, PH.D., R.N., DIRECTOR, DNP PROGRAM**

### **GENERAL INFORMATION**

Students in the RN to BSN program must have graduated from a state approved associate degree or diploma program. They must be currently USA licensed without restrictions to practice professional nursing.

Classes in the RN to BSN Program are structured around the cohort concept so that students admitted at the same time begin and end their program together, pending satisfactory academic progress. Classes meet either 100% online or face-to-face one night a week for four hours. The entire program is completed in 3 semesters (12 months/full-time). If statistics and ethics were not taken prior to admission, the student will have to take these courses which may extend program completion to 16 months/full-time.

### **MASTER AGREEMENT WITH WESTMORELAND COUNTY COMMUNITY COLLEGE**

The purpose of the agreement is to provide a pathway for students who have successfully completed a nursing associate degree program at Westmoreland County Community College (WCCC) to transition to a parallel baccalaureate program at Waynesburg University.

### **ADMISSION REQUIREMENTS**

Students apply to Waynesburg University by submitting the University's Graduate and Professional Studies admissions application and official transcripts from high school, WCCC, and any other colleges or universities attended and official score reports from Advanced Placement or CLEP, if applicable.. There is no admissions application fee.

Students must complete a nursing degree program, be in good standing, free of probation, and have a minimum grade point average of 3.00 to be eligible for admission to Waynesburg University. Criteria for transfer admission may also include successful completion of specific course requirements. Admission may be offered to those applicants who have less than a 3.00 GPA but demonstrate strong work experience and the potential to succeed in the program. Upon completion of four courses, the student's record will be reviewed.

GPA is calculated from all attempted and completed courses from WCCC and from all colleges/universities previously attended. The GPA will be calculated using all courses with highest grade earned included in the calculation.

This agreement applies only to entry to Waynesburg University's RN to BSN program. Therefore, students admitted under this agreement who seek to enter another major at Waynesburg University would be evaluated based on applicable undergraduate process.

## ADMISSION TO THE DEPARTMENT OF NURSING: NURSING MAJOR, RN TO BSN STUDENT

Registered Nurse applicants who wish to enroll in the RN to BSN program must submit formal application for admission to the University and must fulfill all stated admission requirements. The applicant must submit the following:

1. Current USA RN license without restrictions
2. Graduation from a state-approved nursing program as evidenced by all official transcripts
3. Minimum 2.50 GPA
4. Professional resume
5. Two letters of recommendation

Students must begin the program within one year of notification of admission. Application materials remain active for one year following submission and inactive applications are shredded after one year.

If a student fails to meet the requirements for admission, he or she may appeal the decision in writing to the Director of the RN to BSN Program. Upon completion of four courses, the student's record will be reviewed. All students must meet progression standards in order to continue in the program. If a student fails to meet the requirements for progression, he or she may appeal the decision in writing to the interim director of the Accelerated RN to BSN Program.

## FINANCIAL AID

Financial aid information may be obtained from the Office of Financial Aid. Student loans are available to students taking a minimum of six semester hours. For the purposes of the RN to BSN program, a full-time student is considered to be anyone enrolled in a minimum of twelve credits per semester.

## TRANSFER CREDITS

Transfer credit is granted in a manner consistent with University policy. Each course is individually reviewed by the Registrar in consultation with the Director of the RN to BSN Program, and/or members of related University disciplines for judgment concerning transfer of credits. When transfer credit is evaluated, only those courses that fulfill the degree requirements for the BSN degree will apply. Other credits may transfer to the University, but they will not be applied to the nursing curriculum.

## PROGRESSION

Students must maintain a cumulative GPA of 3.00 or higher (on a 4.00 scale). Admission and progression GPAs are not rounded. All required courses in the nursing major must be completed with a grade of C (2.00) or higher, and students may repeat only one nursing course. Students may repeat any one nursing course only once. All required courses in general education must be completed with a grade of C or higher and students may repeat one general education course only once. Additional nursing course grades of C- or below (1.70 or lower on a 4.00 scale) will result in dismissal from the nursing program. Submission of all required portfolio validation credits is necessary to progress to the final term.

Students' academic performance will be reviewed at the end of each semester. If the student receives a grade of C- or lower, a letter of warning will be sent to remind the student of the academic progression policy and standards. If the student's cumulative GPA falls below 3.0, the student will be placed on probation, and must raise the GPA to 3.00 or higher by the completion of the next 6 credits.

**Withdrawal:** Students wishing to withdraw voluntarily from the program must make an appointment to discuss the matter with the Director of the RN to BSN program, and then write a letter verifying the withdrawal. The date of the receipt of the letter becomes the official date of withdrawal from the program. Students must also follow the University policy regarding withdrawal from the University. Non-attendance does not constitute official withdrawal from the program.

## DISMISSAL

All required courses in the nursing major must be completed with a grade of C (2.00) or higher and students may repeat only one nursing course. Students may repeat any one nursing course only once. All required courses in general education must be completed with a grade of C or higher and students may repeat only one general education course one time. Failure to maintain a cumulative GPA of 3.00 (on a 4.00 scale), failure (C- or below) of two nursing courses, or failure (C- or below) of two general education courses will result in dismissal from the nursing program. Additionally, if the faculty finds that a student does not meet standards considered necessary for successful performance as a professional nurse, the student will be dismissed. These standards include, but are not limited to, level of achievement, health, and personal conduct.

## REINSTATEMENT

Students who withdraw from the RN to BSN program must apply for readmission in a manner consistent with University policy. Students who have been admitted to the nursing program and then withdraw from the program must apply for reinstatement in writing to the Director of the RN to BSN Program. A student applying for reinstatement must be in good academic standing with a cumulative GPA of 3.00 or higher (on a 4.00 scale) in order to be eligible for reinstatement. A student who steps out of a cohort in the RN to BSN program and then re-enters the program with a later cohort must meet the curriculum requirements for the new cohort. Students who do not enroll in a course for one calendar year will be placed on inactive status and must request reactivation in writing to the Director of the RN to BSN Program to return to active status.

## GRADUATION REQUIREMENT

Nursing students are eligible for graduation with a Bachelor of Science in Nursing degree upon completion of all nursing and University requirements and successful completion of 124 credit hours within 7 years of initial program enrollment.

## EXPLANATION OF SEMESTER HOURS, GRADES OF SCHOLARSHIP, AND GRADE POINTS FOR GRADUATE AND PROFESSIONAL STUDIES ACCELERATED RN TO BSN PROGRAM

Grade		Grade Points per Semester Hour
A	(Excellent)	4.00
A-	(Excellent)	3.70
B+	(Above Average)	3.30
B	(Above Average)	3.00
B-	(Above Average)	2.70

C+	(Average)	2.30
C	(Average)	2.00
C-	(Below Average, Passing)	1.70
D+	(Below Average, Passing)	1.30
D	(Below Average, Passing)	1.00
D-	(Below Average, Passing)	0.70
F	(Failure)	0.00
I	(Incomplete)	0.00
W	(Withdrew)	0.00
WF	(Withdrew Failing)	0.00
WP	(Withdrew Passing)	0.00
NG	(No Grade)	0.00
P	(Passing)	0.00
AU	(Audit)	0.00
TR	(Transfer)	0.00

### NURSING MAJOR: REQUIRED RN TO BSN SEQUENCE

The baccalaureate degree in nursing requires 124 credits, which are earned as follows.

- Up to 60 credits from Associate Degree in Nursing or diploma
  - If statistics and ethics were not taken, the student will have to take these courses as part of the RN to BSN program.
  - Statistics credit can be earned via a CLEP Exam.
- 25 NCLEX-RN credits:
  - Human Anatomy (BIO 206) – 4 credits
  - Human Development: A Life Span Perspective (PSY 107) – 3 credits
  - Human Physiology (BIO 207) – 4 credits
  - Introduction to Psychology (PSY 105) – 3 credits
  - Microbiology (BIO 215) – 4 credits
  - Principles of Sociology (SOC 105) – 3 credits
  - Pathophysiological Foundations for Nursing Care (NUR 207) – 3 credits
  - Wellness (LSK 101) – 1 credit
- 39 credits (at least 27 of these must be completed in the Waynesburg University RN to BSN Program)

#### Required Courses

Department	Course Number	Credits	Course Title
NUR	221	3	Communication Skills in Nursing I
	222	3	Communication Skills in Nursing II
	235	3	Computer Applications in Nursing
	236	3	Professional Issues in Nursing

NUR	307	3	Physical Assessment and Clinical Reasoning
	411	3	Scholarship for Evidence-Based Nursing Practice I
	412	3	Scholarship for Evidence-Based Nursing Practice II
	421	3	Clinical Prevention and Population Health I
	422	3	Clinical Prevention and Population Health II
	427	3	Leadership and Management in Professional Nursing Practice
	428	3	Health Policy, Quality and Patient Safety
MAT	215	3	Applied Statistics I
PHL	205	3	Ethics

## SECOND-DEGREE BSN PROGRAM FOR RNS

### PROGRAM DESCRIPTION

Individuals with a bachelor's degree from an accredited college or university, who currently hold USA RN licensure, may be eligible to enroll in this program to pursue a Bachelor of Science in Nursing (BSN) degree. The program is designed to allow second-degree students to complete degree requirements in 12-16 months, completing 27-33 credits, depending on transfer credits related to Applied Statistics and Ethics. Students who have already completed these two courses prior to entry into the program can complete as few as 27 credits to graduate.

### ADMISSION TO THE DEPARTMENT OF NURSING: NURSING MAJOR, SECOND DEGREE FOR RNS

Applicants who wish to enroll in this program must submit formal application for admission to the University and must fulfill all stated admission requirements. The applicant must submit the following:

1. Official transcript indicating a bachelor's degree from an accredited institution of higher education
2. Current USA RN license without restrictions
3. Graduation from a state-approved nursing program as evidenced by all official transcripts
4. Minimum 3.00 GPA
5. Professional resume
6. Two letters of recommendation

Progression Policy: Same as RN to BSN Program.

Withdrawal: Same as RN to BSN Program.

Dismissal: Same as RN to BSN Program.

Graduation: Same as RN to BSN Program.

Associate Degree or diploma credits	60 credits
Courses to be taken at Waynesburg University (Including nursing major)	27-33 credits †

† A total of 27-30 credits must be completed in residence to secure the BSN degree from Waynesburg University, depending on completion of Applied Statistics and Ethics prior to entry into the program.

### Required Courses

NUR	235	3	Computer Applications in Nursing
	236	3	Professional Issues in Nursing
	307	3	Physical Assessment and Clinical Reasoning
	411	3	Scholarship for Evidence-Based Nursing Practice I
	412	3	Scholarship for Evidence-Based Nursing Practice II
	421	3	Clinical Prevention and Population Health I
	422	3	Clinical Prevention and Population Health II
	427	3	Leadership and Management in Professional

			Nursing Practice
NUR	428	3	Health Policy, Quality and Patient Safety
PHL	205	3	Ethics
MAT	215	3	Applied Statistics I

## RN TO BSN COURSE OFFERINGS

### **NUR 221. Communication Skills in Nursing I** **3 credits**

This course focuses on the writing skills necessary for execution of the professional nursing role.

### **NUR 222. Communication Skills in Nursing II** **3 credits**

This course focuses on the oral communication skills necessary for the successful execution of the professional nursing role. **NUR 235. Computer Applications in Nursing** **3 credits**

This course is designed to help students improve their basic computer knowledge and skills using common personal computer applications and to gain a basic understanding of the role of information technology in today's health care environment.

### **NUR 236. Professional Issues in Nursing** **3 credits**

This course is designed to assist students in transitioning from an associate degree or diploma in nursing to the practice of professional nursing based on a baccalaureate degree. The Essentials of Baccalaureate Education for Professional Nursing Practice (AACN, 2008) are examined in detail. Nursing theories are explored. In addition this course focuses on the history of nursing, characteristics of a profession, and theories of learning and learning styles. Students identify forces that affect the direction of change in health and healthcare delivery.

### **NUR 307. Physical Assessment and Clinical Reasoning** **3 credits**

This course places emphasis on acquiring advanced knowledge and skills necessary to complete physical assessment of individuals across the life span. This course includes 15 hours of practice experience.

### **NUR 411. Scholarship for Evidence-Based Nursing Practice I** **3 credits**

This course provides the RN to BSN student an overview of evidence-based nursing practice, and an examination of various kinds of research evidence that may be available. In addition, the PICOT format for creating searchable clinical questions will be explored, along with critical appraisal strategies for reviewing the strength and credibility of the evidence available to answer clinical questions. This course includes 15 hours of practice experience with a preceptor. Prerequisites: successful completion of first term RN to BSN curriculum and successful completion of elementary statistics course.

### **NUR 412. Scholarship for Evidence-Based Nursing Practice II** **3 credits**

This course provides the RN to BSN student with an opportunity to refine literature search skills and critical appraisal skills in determining the strength of available evidence to answer clinical questions. Critical appraisal of published national clinical practice guidelines using the AGREE tool is emphasized. Strategies for participating actively in evidence-based practice initiatives in various work environments are highlighted. This course includes 15 hours of practice experience with a preceptor. Prerequisite: NUR 411.

### **NUR 421. Clinical Prevention and Population Health I** **3 credits**

This course provides an introduction to key concepts associated with evidence-based clinical disease prevention and promotion of population health. Healthy People 2020 sets the vision and goals for nursing professionals' participation in a collaborative effort to improve the health of the population through interventions with individuals, families, groups, communities and populations. This course includes 15 hours of practice experience with a preceptor.

### **NUR 422. Clinical Prevention and Population Health II** **3 credits**

This course examines the health needs of populations experiencing chronic illness, injury, and/or disability, as well as the health needs of vulnerable populations. Nursing interventions delivered through collaborative partnerships with communities, organizations and other healthcare providers will be emphasized, along with the nurse's role as an advocate. This course includes 15 hours of practice experience with a preceptor.

### **NUR 427. Leadership and Management in Professional Nursing Practice** **3 credits**

This course examines leadership and management as components of professional nursing practice. This course includes 15 hours of practice experience with a preceptor.

### **NUR 428. Health Policy, Quality and Patient Safety** **3 credits**



This course focuses on national and state level health policy and regulatory activities as they impact patient safety and quality of care. Strategies for promoting safety and ensuring quality healthcare are emphasized. This course includes 15 hours of practice experience with a preceptor.

## ACCELERATED MSN AND MSN/MBA PROGRAMS

LINA HIXSON, PH.D., R.N., DIRECTOR

### GENERAL INFORMATION

The graduate nursing program curricula are designed to include content from a wide range of practice settings, address diverse populations, and qualify graduates to make evidence-based decisions utilizing complex information. The programs provide core coursework in evidence-based nursing practice, critical thinking skills for patient safety and quality, advanced health promotion, organizational and systems leadership, and politics and health policy. Students who pursue the Master of Science in Nursing (MSN) degree may choose a concentration in nursing administration, nursing education, or nursing informatics; additionally, a dual concentration in administration and education is available. Students may pursue a dual MSN/Master of Business Administration (MBA) degree. The MSN/MBA degree is intended for students who desire more advanced business content to complement their graduate nursing preparation. Both the MSN and MSN/MBA are offered in an accelerated format that allows students to pursue their educational goals while continuing to meet career and personal responsibilities. A minimum of thirty-six credits is required to earn the MSN Administration or Education concentration while thirty-nine credits are required for the MSN Informatics concentration. Forty-eight credits are required for the MSN dual Administration-Education concentration; fifty-four credits are required for the dual MSN/MBA degree. In the MSN/MBA dual degree option, there are eighteen credits necessary for the nursing core requirement, plus courses in the administration concentration. Additional graduate business credits are required for students to earn the dual MSN/MBA degree.

### ADMISSION REQUIREMENTS

To be considered for admission into the MSN or MSN/MBA program, the applicant must submit the following:

1. Current USA RN license without restrictions
2. Official transcript indicating a Bachelor of Science in Nursing degree was earned at an accredited college or university
3. Official transcripts of all other undergraduate and graduate coursework
4. Minimum undergraduate GPA of 3.0
5. Current resume or curriculum vitae
6. Two letters of recommendation
7. Narrative statement of career goals and how the program will enable achievement of those goals
8. Validation of completion of an undergraduate statistics course (can be taken during degree program if necessary to meet requirement)

Students must begin the program within one year of notification of admission. Application materials remain active for one year following submission and inactive applications are shredded after one year.

If a student fails to meet the requirements for admission, he or she may appeal the decision in writing to the Director of the Graduate Nursing Programs. Admission may be offered to those applicants who have less than a 3.00 GPA, but demonstrate strong work experience and the potential to succeed in the program. Upon completion of four courses, the student's record will be reviewed. All students must meet progression standards in order to continue in the program. If a student fails to meet the requirements for progression, he or she may appeal the decision in writing to the Director of the GPS Graduate Nursing Programs.

### GRADUATE NON-DEGREE STUDENTS

With the approval of the Director of the MSN Program, students are permitted to enroll in a maximum of four courses (12 credits) without declaring a degree.

## FINANCIAL AID

Financial aid information may be obtained from the Office of Financial Aid. Student loans are available to students taking a minimum of six semester hours. For the purposes of the graduate nursing programs, a full-time student is considered to be anyone enrolled in a minimum of nine semester hours.

## TRANSFER CREDITS

Transfer credit is granted in a manner consistent with University policy. Each course is individually reviewed by the Registrar in consultation with the Director of the Graduate Nursing Programs and/or members of related University disciplines for judgment concerning transfer of credits. When transfer credit is evaluated, only those courses that fulfill the degree requirements for the MSN degree will apply. Other credits may transfer to the University, but they will not be applied to the nursing curriculum.

Waynesburg University will accept a maximum of nine credit hours with grades of B- or above in transfer from an accredited nursing program. The credits must have been earned within seven years of application to the program.

## PROGRESSION

All MSN students are required to have a cumulative GPA of 3.00 or higher (on a 4.00 scale) to be eligible to receive a master's degree from Waynesburg University. Admission and progression GPAs are not rounded. To remain in good standing and progress through the curriculum, a student may receive no more than one grade of C or lower during the curriculum, and students may repeat a course only once.

Students' academic performance will be reviewed at the end of each 8-week session. If the student receives a grade of C or lower, a letter of warning will be sent to remind the student of the academic progression policy and standards. If the student's cumulative GPA falls below 3.00, the student will be placed on probation, and must raise the GPA to 3.00 or higher by the completion of the next 6 credits.

## WITHDRAWAL

Students wishing to withdraw voluntarily from the program must make an appointment to discuss the matter with the Director of the MSN program and then write a letter verifying the withdrawal. The date of the receipt of the letter becomes the official date of withdrawal from the program. Students must also follow the University policy regarding withdrawal from the University. Non-attendance does not constitute official withdrawal from the program.

## DISMISSAL

An MSN student will be dismissed from the program if the student receives more than one grade of C or lower, is unable to successfully complete a course with a grade of B- or higher after repeating the course one time, or is unable to achieve a cumulative GPA of 3.00 or higher following completion of the next six credits after being placed on probation. Additionally, if the faculty finds that a student does not meet standards considered necessary for successful performance as a professional nurse, the student will be dismissed. These standards include, but are not limited to, level of achievement, health, and personal conduct.

## REINSTATEMENT

Students who withdraw from the MSN program must apply for readmission in a manner consistent with University policy. Students who have been admitted and then withdraw from MSN program must show evidence of a cumulative GPA of 3.00 or higher at the time of leaving the program, and must submit a written letter to the MSN Program Director requesting reinstatement. Students who do not enroll in a course for one calendar year will be placed on inactive status, and must request reactivation in writing to the Director of the MSN Program to return to active status.

## GRADUATION REQUIREMENTS

Nursing students are eligible for graduation with a Master of Science in Nursing degree upon completion of all nursing and University requirements with a cumulative GPA of 3.00 or higher. All credits for each concentration must be completed within 7 years from initial program enrollment. Students must complete at least 27 credits at Waynesburg

University. Students in the MSN Administration and Education concentrations must complete 36 credits; MSN Informatics students must complete 39 credits; MSN dual concentration students must complete 48 credits; and MSN/MBA students must complete 54 credits. For the MSN/MBA degree, all curriculum and degree requirements for each degree must be met with the MSN/MBA degree conferred at one time upon completion of all fifty-four credits.

## EXPLANATION OF SEMESTER HOURS, GRADES OF SCHOLARSHIP, AND GRADE POINTS FOR GRADUATION AND PROFESSIONAL STUDIES MSN PROGRAM

Grade		Grade Points Per Semester Hour
A	(Excellent)	4.00
A-	(Excellent)	3.70
B+	(Above Average)	3.30
B	(Above Average)	3.00
B-	(Above Average)	2.70
C+	(Average)	2.30
C	(Average)	2.00*
F	(Failure)	0.00
I	(Incomplete)	0.00
W	(Withdrew)	0.00
WF	(Withdrew Failing)	0.00
WP	(Withdrew Passing)	0.00
NG	(No Grade)	0.00
P	(Passing)	0.00
AU	(Audit)	0.00
TR	(Transfer)	0.00

- \* Grades below C do not earn credit, and are not awarded. If a student does not earn a C or above, the course must be repeated; students are limited to repeating one (1) course total.

## CURRICULUM

### MSN OPTIONS

#### ADMINISTRATION (36 CREDITS):

##### MSN CORE COURSES (18 Credits)

- NUR 506, Critical Thinking for Patient Safety and Quality
- NUR 518, Organizational and Systems Leadership
- NUR 525, Politics and Health Policy

- NUR 527, Advanced Health Promotion
- NUR 589, Evidence-based Nursing Practice
- NUR 599, Capstone Practicum\*

#### NURSING ADMINISTRATION CONCENTRATION (15 Credits)

- NUR 551, Management Issues in Nursing Administration
- NUR 552, Leadership Issues in Nursing Administration
- NUR 555, Budgeting and Finance in Healthcare
- NUR 566, Nursing Administration Practicum\*\*
- NUR 585, Statistical Methods in Healthcare, or MBA 535, Data Analytics

#### NURSING ADMINISTRATION ELECTIVES (3 Credits)

- Choose any NUR or NURNIP course or one of the following:  
MBA 537, Human Resource Management\*\*\*  
MBA 539, Conflict Resolution  
MBA 547, Behavioral Interviewing
- \* NUR 599, Capstone Practicum, is designed as a final synthesis course to be taken near the end of the student's course of study.
- \*\* NUR 565, NUR 566 and NURNIP 565 are designed as a role practicum, and students should have completed the theory courses associated with the concentration prior to registering for the practicum.
- \*\*\* MBA 525 Organizational Behavior prerequisite

### EDUCATION (36 CREDITS):

#### MSN CORE COURSES (18 Credits)

- NUR 506, Critical Thinking for Patient Safety and Quality
- NUR 518, Organizational and Systems Leadership
- NUR 525, Politics and Health Policy
- NUR 527, Advanced Health Promotion
- NUR 589, Evidence-based Nursing Practice
- NUR 599, Capstone Practicum\*

#### NURSING EDUCATION CONCENTRATION (9 Credits)

- NUR 528, Curriculum and Instruction
- NUR 529, Evaluation Methods
- NUR 565, Nursing Education Practicum\*\*

#### DIRECT CARE CORE (6 Credits)

- NUR 556, Applied Clinical Management
- Choose any one of the specialty nursing courses:  
NUR 547, Chronic Illness across the Lifespan  
NUR 568, Advanced Critical Care Concepts  
NUR 588, Quality of Life at End of Life

#### NURSING EDUCATION ELECTIVE (3 credits)

- Choose any NUR course, NURNIP course, or MBA 535, Data Analytics
- \* NUR 599, Capstone Practicum, is designed as a final synthesis course to be taken near the end of the student's course of study.
- \*\* NUR 565, NUR 566 and NURNIP 565 are designed as a role practicum, and students should have completed the theory courses associated with the concentration prior to registering for the practicum.

### NURSING INFORMATICS (39 CREDITS):

#### MSN CORE COURSES (18 Credits)

- NUR 506, Critical Thinking for Patient Safety and Quality
- NUR 518, Organizational and Systems Leadership
- NUR 525, Politics and Health Policy
- NUR 527, Advanced Health Promotion

- NUR 589, Evidence-based Nursing Practice
- NUR 599, Capstone Practicum\*

#### **NURSING INFORMATICS CONCENTRATION (21 Credits)**

- NURNIP 505, System Development Life Cycle
- NURNIP 506, Information Technology in Health Data Management
- NURNIP 507, Clinical Information Systems and Decision Support
- NURNIP 508, Informatics Nurse Specialist Role Implementation
- NURNIP 509, Nursing Informatics Management and Leadership
- NURNIP 515, Electronic Healthcare Information for Consumers and Clinicians
- NURNIP 565, Nursing Informatics Practicum\*\*

\* NUR 599: Capstone Practicum is designed as a final synthesis course to be taken near the end of the student's course of study.

\*\* NUR 565, NUR 566 and NURNIP 565 are designed as a role practicum, and students should have completed the theory courses associated with the concentration prior to registering for the practicum.

#### **MSN DUAL CONCENTRATION**

##### **ADMINISTRATION/EDUCATION CONCENTRATION (48 CREDITS)**

##### **MSN CORE COURSES (18 Credits)**

- NUR 506, Critical Thinking for Patient Safety and Quality
- NUR 518, Organizational and Systems Leadership
- NUR 525, Politics and Health Policy
- NUR 527, Advanced Health Promotion
- NUR 589, Evidence-based Nursing Practice
- NUR 599, Capstone Practicum\*

##### **NURSING ADMINISTRATION CONCENTRATION (15 Credits)**

- NUR 551, Management Issues in Nursing Administration
- NUR 552, Leadership Issues in Nursing Administration
- NUR 555, Budgeting and Finance in Healthcare
- NUR 566, Nursing Administration Practicum\*\*
- NUR 585, Statistical Methods in Healthcare, or MBA 535, Data Analytics

##### **NURSING EDUCATION CONCENTRATION (9 Credits)**

- NUR 528, Curriculum and Instruction
- NUR 529, Evaluation Methods
- NUR 565, Nursing Education Practicum\*\*

##### **DIRECT CARE CORE (6 Credits)**

- NUR 556, Applied Clinical Management
- Choose any one of the specialty nursing courses:  
NUR 547, Chronic Illness across the Lifespan  
NUR 568, Advanced Critical Care Concepts  
NUR 588, Quality of Life at End of Life

\* NUR 599: Capstone Practicum is designed as a final synthesis course to be taken near the end of the student's course of study.

\*\* NUR 565, NUR 566 and NURNIP 565 are designed as a role practicum, and students should have completed the theory courses associated with the concentration prior to registering for the practicum.

#### **MSN/MBA DUAL DEGREE OPTION (54 CREDITS):**

##### **MSN CORE COURSES (18 Credits)**

- NUR 506, Critical Thinking for Patient Safety and Quality
- NUR 518, Organizational and Systems Leadership

- NUR 525, Politics and Health Policy
- NUR 527, Advanced Health Promotion
- NUR 589, Evidence-based Nursing Practice
- NUR 599, Capstone Practicum\*

#### NURSING ADMINISTRATION CONCENTRATION (18 Credits)

- MBA 525, Organizational Behavior
- NUR 551, Management Issues in Nursing Administration
- NUR 552, Leadership Issues in Nursing Administration
- NUR 555, Budgeting and Finance in Healthcare,
- NUR 566, Nursing Administration Practicum\*\*
- NUR 585, Statistical Methods in Healthcare,  
or MBA 535, Data Analytics

#### MBA COURSES (18 Credits)

- MBA 505, Accounting Concepts and Applications
- MBA 506, Applied Economics
- MBA 507, Global Business
- Select any MBA Elective or MBA 527, Healthcare Systems
- Select any MBA Elective or MBA 528, Law and Ethics in Healthcare Systems
- MBA 599, Capstone Experience

Students applying to the MSN/MBA program must show evidence of successful completion of undergraduate coursework in business-related content for economics, statistics, finance, and accounting. If the admitted student has not completed academic courses in one or more of these areas, the student will be required to successfully complete online primer courses in the areas of deficit prior to registering for the relevant MBA course at the graduate level.

- \* NUR 599: Capstone Practicum is designed as a final synthesis course to be taken near the end of the student's course of study.
- \*\* NUR 565, NUR 566 and NURNIP 565 are designed as a role practicum, and students should have completed the theory courses associated with the concentration prior to registering for the practicum.
- \*\*\* MBA 599 is a capstone course and intended to be taken at the end of the student's course of study.

**POST MASTER'S CERTIFICATE IN NURSING INFORMATICS (24 CREDITS)** –Students who complete this certificate program will be didactically prepared to take the ANCC Informatics Nursing certification exam.

#### MSN CORE COURSE (3 Credits)

- NUR 599, Capstone Practicum\*

#### NURSING INFORMATICS CONCENTRATION (21 Credits)

- NURNIP 505, System Development Life Cycle
- NURNIP 506, Information Technology in Health Data Management
- NURNIP 507, Clinical Information Systems and Decision Support
- NURNIP 508, Informatics Nurse Specialist Role Implementation
- NURNIP 509, Nursing Informatics Management and Leadership
- NURNIP 515, Electronic Healthcare Information for Consumers and  
Clinicians
- NURNIP 565, Nursing Informatics Practicum\*\*

- \* NUR 599: Capstone Practicum is designed as a final synthesis course to be taken near the end of the student's course of study.
- \*\* NURNIP 565 is designed as a role practicum, and students should have completed the theory courses associated with the concentration prior to registering for the practicum.

## MSN COURSE OFFERINGS

(See GPS – Business Administration section for MBA course offerings)

**NUR 506. Critical Thinking for Patient Safety and Quality**

**3 credits**

This course explores the relationship of critical thinking, clinical reasoning and decision making to patient safety and quality with emphasis on the role of the nurse in patient-centered care. This course will review theoretical nursing models and examine the role that nursing theory has in guiding clinical practice. A variety of quality standards and benchmarks will be explored including Institute of Medicine (IOM), Robert Wood Johnston Foundation, Agency for Healthcare Research and Quality (AHRQ), Joint Commission on the Accreditation of Healthcare Organizations (JCAHO) Goals for Patient Safety and National Healthcare Quality, and others. An overview of quality improvement models and the tools necessary for participation in healthcare quality initiatives will be provided. Strategies for creating a culture of quality and safety will be examined, including but not limited to the Just Culture Community approach. The nature and analysis of sentinel events incorporating risk management and the process of continuous quality improvement within healthcare and educational institutions are explored utilizing an evidence based approach.

**NUR 518. Organizational and Systems Leadership**

**3 credits**

This MSN Core course provides the student with a practice-oriented foundation in healthcare organization and systems leadership essential for today's nurse leader. Emphasis is placed on promotion of high quality and safe patient care as the construct for application of principles and strategies effective in promoting and sustaining excellence in patient care. Areas of content include healthcare care policy; organizational operations and financing; leadership; system and change theories; complexity science; organizational and interpersonal communication; conflict resolution; building and sustaining teams; decision making and problem solving; and information technology as a leadership tool. Learning strategies incorporate application to real world nursing leadership scenarios.

**NUR 519. Innovative Teaching Strategies in Nursing**

**3 credits**

This course will explore the design, delivery, effectiveness and management of learner-centered educational activities in the classroom and healthcare settings. Simulation, didactic, self-directed learning activities, virtual reality, game-based education, distance learning, debate, case methods, coaching/preceptor model, and multimedia in the classroom will be examined, applied and analyzed.

**NUR 525. Politics & Health Policy**

**3 credits**

This course examines the impact of economics and politics on healthcare policy in the U.S. It emphasizes the economic issues that affect healthcare delivery, finance, research, and education. Students will learn how the elements of national health policy are represented on the national agenda and about the economic laws of supply and demand. Healthcare production, as an economic and political function, is also studied. Leadership responsibilities in a variety of healthcare organizations and academic institutions are examined with respect to healthcare policy.

**NUR 527. Advanced Health Promotion**

**3 credits**

More than half the population in the United States lives with a chronic illness. The vast majority of this country's medical care costs are associated with the treatment of individuals with chronic illness. The purpose of this course, for nurse educators and nurse administrators, is to enhance the knowledge and skills regarding best practices in the provision of healthcare services to patients and families experiencing a chronic illness, and to incorporate the use of technology to achieve the learning objectives. Three overall perspectives will be presented during this course: (1) evidence-based treatment for physical and psychological disorders across the lifespan that present most frequently as chronic illnesses; (2) the psychosocial impact of those chronic illnesses on patients and families; and (3) healthcare system strategies that impact the quality and outcomes of care.

**NUR 528. Curriculum and Instruction**

**3 credits**

This course is designed to provide MSN students with an operational foundation for teaching in nursing education, staff development or patient education. Focused coursework includes content and learning activities specific to curriculum design, forces and issues impacting decisions on curriculum content and instructional strategies, evidence-driven instructional methods appropriate for achieving learning outcomes, and curricular and evaluation processes. The student will acquire the skills and competencies needed for development, implementation, and evaluation of nursing education curricula and instruction. Active learning processes and methods supportive of adult learning principles are threaded through course content and learning activities.

**NUR 529. Evaluation Methods**

**3 credits**

This course is designed to provide an in-depth exposure to the many facets of evaluation. There will be particular emphasis on concepts related to collecting, analyzing, interpreting, and communicating information regarding evaluation outcomes. This course will focus on norm referenced and criterion referenced evaluation methods for classroom and clinical nursing education. Students will explore measurement tools for evaluation of cognitive, affective, and psychomotor domains. Ethical and legal implications of evaluation will also be examined.

**NUR 547. Chronic Illness across the Lifespan**

**3 credits**

More than half the population in the United States lives with a chronic illness. The vast majority of this country's medical care costs are associated with the treatment of individuals with chronic illness. The purpose of this course, for nurse educators and nurse administrators, is to enhance the knowledge and skills regarding best practices in the provision of healthcare services to patients and families experiencing a chronic illness, and to incorporate the use of technology to achieve the learning objectives. Three overall perspectives will be presented during this course: (1) evidence-based treatment for physical and psychological disorders across the lifespan that present most frequently as chronic illnesses; (2) the psychosocial impact of those chronic illnesses on patients and families; and (3) healthcare system strategies that impact the quality and outcomes of care.

**NUR 551. Management Issues in Nursing Administration**

**3 credits**

Nurse administrators are required to manage complex health care systems. It is imperative for nurse managers to be fluent in theory and research related to management principles, quality management, budgeting, managing human resources, health care information systems, patient satisfaction indicators, and performance appraisal. Nurse managers must possess strong management competencies in order for best practice outcomes to take place. The purpose of this course is to provide the nurse administrator an opportunity to explore today's issues in nursing management in order to implement evidence-based solutions and create best practice environments for nursing in the future.

**NUR 552. Leadership Issues in Nursing Administration**

**3 credits**

Nurse administrators provide leadership in complex health care systems. It is imperative for nurse administrators to be fluent in theory and research related to leadership in nursing, strategic planning, organizational structure and function, ethics, leading change and innovation, communication and consensus building, health policy and regulation, health care legality, and risk management. Nurse leaders must possess strong leadership competencies in order for best practice outcomes to take place. The purpose of this course is to provide the nurse administrator an opportunity to explore today's nursing leadership issues in order to implement evidence-based solutions and create best practice environments for nursing in the future.

**NUR 555. Budgeting and Finance in Healthcare**

**3 credits**

This course is an introduction to budgeting and finance as it relates to unit or division management in the healthcare setting. The course examines providing value-based services in a complex healthcare environment, workforce management, economic and budgeting principles and strategies. Concepts of cost and revenue and their application to reimbursement models are explored.

**NUR 556. Applied Clinical Management**

**3 credits**

Building on the foundation of undergraduate coursework, this graduate level course provides the MSN student with essential integrated content in pathophysiology, pharmacology, and health/physical assessment in preparation for providing direct patient care services at an advanced level. Using evolving case scenarios, students will explore the inter-relationships of pathophysiological changes to health and physical assessment findings and diagnostic study results in human illness across the lifespan. Implementation of pharmacologic agents as a therapeutic intervention is discussed including indications, pharmacodynamics, dosing, side effects, patient safety issues, and expected outcomes. Clinical reasoning is emphasized within the construct of health assessment, planning priority-based patient care, and evaluating health outcomes.

**NUR 565. Nursing Education Practicum**

**3 credits**

This course is designed to provide an opportunity for nursing education students to experience the role of nurse educator in selected healthcare delivery and/or educational environments. This experience focuses specifically on synthesis, application, and evaluation of concepts of education, adult learning principles, and technology as the related to education, leadership, and management skill sets required of nurse educators; and ethics and liability issues related to education in a variety of environments. The student is paired with a preceptor having knowledge and expertise in nursing education concepts. Twelve (12) class hours and fifty (50) practicum hours are required for completion of the course. Students should have completed nursing education theory courses prior to enrolling in the practicum experience.



**NUR 566. Nursing Administration Practicum****3 credits**

This course is designed to provide an opportunity for students choosing the nursing administration concentration to apply leadership/management concepts in a selected healthcare delivery environment. Students will work with a preceptor who will assist the student to experience the role of a nurse administrator in a selected healthcare delivery environment. Specifically, the course emphasizes opportunities to analyze, assess, implement, and evaluate concepts of organizational culture; leadership/management skill sets and competencies needed to effect change in organizations; assessment, implementation, and evaluation of organizational outcomes; strategic planning and goal setting in organizations; allocation of human and financial resources; computer technology in healthcare systems; and communication, ethics, and legal issues in nursing administration. There are twelve (12) classroom hours and fifty (50) practicum hours required in this course. Students should have completed the theory courses in the nursing administration concentration prior to enrolling in the practicum experience

**NUR 568. Advanced Critical Care Concepts****3 credits**

This course provides the graduate student in nursing education or nursing administration with advanced knowledge, advanced nursing care skills, critical thinking skills, and mentoring skills necessary for the roles of nurse educator and staff/student resource in the critical care unit. A body system approach is used to review the disease processes commonly seen in patients admitted to the critical care units of today's hospitals. The anatomy and normal physiology of each body system will be reviewed, and specific diseases that affect each body system will be examined in relation to the latest evidence for best practice approaches to nursing care of the critically ill patient. In addition, concepts related to the role of nurse educator will be examined. The goal of this course is to prepare nurse leaders who are competent to mentor the development of students and staff in critical care units, based on comprehensive application of adult learning principles and effective teaching techniques.

**NUR 585. Statistical Methods in Healthcare****3 credits**

This course will provide students with opportunities to apply statistical methods in the analysis of healthcare data. An examination of probability, inference testing, sequential decision making, simple and multiple regression, correlation analyses, and meta-analysis will be conducted. Problem solving takes place using case studies and computer-assisted instruction. This course meets the program's statistics requirement and may be taken if the student has not previously taken a statistics course.

**NUR 588. Quality of Life at End of Life****3 credits**

This course introduces students to a model of nursing care that specifically addresses the unique needs of patients facing end of life. Particular focus is given to a palliative care approach which will demonstrate ways to make a positive impact in the lives of these patients and families. Students will have an opportunity to expand their knowledge of palliative care principles to apply to patients in a variety of healthcare settings.

**NUR 589. Evidence-Based Nursing Practice****3 credits**

This course focuses on the value of scientific evidence and nursing research in providing high quality health care and improving nursing practice. Units of content focus on the need for evidence-based practice, conducting and writing literature reviews, the research process, the application of appropriate statistical methods, ethical issues, communication of research findings, critical analysis of nursing and related healthcare research, and use of organizational leadership techniques to promote evidence-based practice. The goal of this course is to prepare nurse educators and nurse administrators who are proficient at research utilization, including evaluation of published research, identification of problems within the educational or clinical setting that require further study, and dissemination and application of research to change practice and improve outcomes. Prerequisite: Completion of undergraduate or graduate course in statistics.

**NUR 599. Capstone Practicum****3 credits**

This Capstone Project is a 75-hour precepted experience in a health system, agency or organization in which the MSN student completes a scholarly project within the student's MSN concentration of Administration, Education, or Informatics. In this final MSN course and synthesis experience, the student integrates and applies knowledge from prior MSN coursework in the research, development, implementation and evaluation of the capstone project. The capstone preceptor functions as a facilitator for the MSN student in completion of the project while the Coordinator of MSN Program functions as the course facilitator and administratively oversees the capstone project requirements. The MSN Essentials provides the framework for student completion and evaluation of this capstone project as reflected in a required e-portfolio of the project materials and development of a scholarly synthesis paper.

**NURNIP 505. System Development Life Cycle****3 credits**

This course examines the processes, skills, and tools associated with information system planning, analysis, design, functional training, staff education and system implementation. System evaluation, maintenance and user support is also addressed. The human-technology interface is discussed including issues associated with ergonomics and the software/user interface.

**NURNIP 506. Information Technology in Health Data Management 3 credits**

This course provides requisite content on information technology systems and networks within the healthcare environment. Essential components, functional and technical specifications, and integration of hardware and software systems are discussed. Information on data representation and system communication interface, standards, protocols and collaborative tools is reviewed. Physical, user, patient and system security and confidentiality issues are identified including prevention and recovery strategies. A 15-hour supervised practicum provides for application of content related information in a healthcare environment.

**NURNIP 507. Clinical Information Systems and Decision Support 3 credits**

This course provides content on information management systems and associated technologies and their application to generating knowledge and supporting decision-making in the healthcare environment. Types of information/data systems and associated regulatory requirements are identified and include discussion of issues related to data quality, integrity and validity. Data transformation and analysis processes are reviewed incorporating content on data warehousing and data mining. Application of knowledge generated from data analysis to benchmarking outcomes and providing support for decision making is emphasized. A 15-hour supervised practicum provides for application on content related information in a healthcare environment.

**NURNIP 508. Informatics Nurse Specialist Role Implementation 3 credits**

This course provides a practice framework for the Informatics Nurse Specialist which includes foundational content on the meta-structures and scientific underpinnings of Nursing Informatics. In addition, content related to professional practice, trends, issues, and ethics that guide the INS's current and future practice are examined. The ANA Scope and Standards of Nursing Informatics Practice are emphasized throughout this course. A 15-hour supervised practicum provides for application of content related information in a healthcare environment.

**NURNIP 509. Nursing Informatics Management and Leadership 3 credits**

This course provides content on the INS application of administrative and management strategies in the context of a visionary nursing informatics leader. Concepts related to fiscally responsible information system project management and strategic planning within a multi-disciplinary healthcare system are discussed. Methods for effecting system wide organizational change are presented and processes for managing the quality of patient care and patient outcomes utilizing healthcare information systems are reviewed. A 15-hour supervised practicum provides for application of content related information in a healthcare environment.

**NURNIP 515. Electronic Healthcare Information for Consumers and Clinicians 3 credits**

This course provides content on acquiring, processing, and evaluating healthcare information from healthcare information systems and internet sources as accessed by healthcare consumers and practicing clinicians. Technology-based approaches to consumer education are discussed with emphasis on sources, issues, and barriers affecting consumer acquisition and utilization of healthcare knowledge. The role of the INS in supporting and evaluating consumer healthcare education in a technology-based health information system and web-based source is examined. In addition, knowledge acquisition, dissemination, generation and processing of patient care information and outcomes from clinical information systems, web-based sources, and telehealth sources by the clinician are explored. INS strategies in evaluating these processes and assuring clinician competency utilizing these information systems are discussed. A 15-hour supervised practicum provides for application of content related information in a healthcare environment.

**NURNIP 565. Nursing Informatics Practicum 3 credits**

This course is designed to provide an opportunity for students in the nursing informatics concentration to apply knowledge and skills acquired in nursing informatics courses in the strategic planning for and development of a proposed or actual healthcare information technology project (HIT) project. Students will select a HIT preceptor within a healthcare organization who will function as a facilitator to guide the student through the processes of HIT project management including identifying a HIT project, researching the project information and developing the project plan. The actual or proposed implementation structure and process of the project and evaluation of the project outcomes will be completed in the NUR 599 capstone course. The course consists of weekly online seminar

discussions with 50 hours of practicum within a healthcare organization and completion of a formal written project plan.

## DOCTOR OF NURSING PRACTICE (DNP)

CAROL PATTON, PH.D., R.N., DIRECTOR, DNP PROGRAM

### GENERAL INFORMATION

Graduates of this program will be prepared as nurse executives. Based on this preparation, graduates would be most likely to serve in positions titled VP of Patient Care Services, Chief Nursing Officer, Director of Education and Training, Director of Quality Initiatives, Service Line Director, Product Line Director, Director of Organizational Development, Chief Learning Officer, or Clinical Services Director.

Graduates of a DNP program will develop sophisticated skills in the following highly desired areas:

- Leadership of teams and organizations
- Strategic planning and resource utilization
- Critical evaluation and application of current research and best practice protocols
- Team building and interprofessional collaboration
- Measurement and analysis of healthcare outcomes
- Development and management of quality improvement initiatives
- Quantitative data management
- Information management and utilization in decision-making

### ADMISSION CRITERIA

1. Current USA RN license without restrictions
2. BSN
3. MSN or graduate degree in another discipline
  - Applicants with a graduate degree in a discipline other than nursing will be individually evaluated, and additional courses at the master's level will be required to meet the AACN Essentials of Master's Education as well as the essential competencies for a DNP program graduate
4. GPA of 3.50 or higher
5. Official BSN and MSN transcripts, or BSN and Master's degree in another discipline transcripts
  - Advanced Practice Nurses (Nurse Practitioners, Clinical Nurse Specialists, Nurse Anesthetists, Nurse Midwives) must present evidence of completion of:
    - a. Completion of Advanced Physiology/Pathophysiology, Advanced Pharmacology, and Advanced Health Assessment
    - b. National certification or 500 documented hours of clinical practice during MSN Advanced Practice Nursing program
6. Curriculum vitae
7. Two letters of recommendation
8. Narrative statement of career goals and how the program will enable the achievement of those goals
9. Written letter of support from clinical practice setting
10. Portfolio (not more than 25 pages) providing evidence of professional career; applicants without the MSN degree must provide written validation of how they met the 2011 AACN MSN Essentials
11. Personal Interview

Students must begin the program within one year of notification of admission. Application materials remain active for one year following submission and inactive applications are shredded after one year.

### TRANSFER CREDITS

Transfer credit is granted in a manner consistent with University policy. Each course is individually reviewed by the Registrar in consultation with the Director of the DNP Program and/or members of related University disciplines

for judgment concerning transfer of credits. When transfer credit is evaluated, only those courses that fulfill the degree requirements for the DNP degree will apply. Other credits may transfer to the University, but they will not be applied to the nursing curriculum.

Waynesburg University will accept a maximum of six credit hours with grades of B or above in transfer from an accredited nursing doctorate program. The credits must have been earned within seven years of application to the program.

## GRADUATE NON-DEGREE STUDENTS

With the approval of the Director of the DNP Program, students are permitted to enroll in a maximum of four courses (12 credits) without declaring a degree.

## FINANCIAL AID

Financial aid information may be obtained from the Office of Financial Aid. Student loans are available to students taking a minimum of six semester hours. For the purposes of the graduate nursing programs, a full-time student is considered to be anyone enrolled in a minimum of nine semester hours.

## PROGRESSION

All doctoral students are required to have a cumulative GPA of 3.00 or higher to be eligible to receive a Doctor of Nursing Practice Degree from Waynesburg University. Admission and progression GPAs are not rounded. To remain in good standing, all courses, including any master's level courses taken during the doctoral program, must be completed with a grade of B or higher. A student who receives a B- or lower in any course must repeat the course prior to program progression. The student is only permitted to enroll in clinical residency courses until a repeated course grade of B or higher is achieved. A course may be repeated only once. Only one required course in the doctoral program may be repeated. Students must successfully complete Preliminary Exams after completion of NUR 605, 606, 607, 608, and 665 to progress.

Students' academic performance will be reviewed at the end of each semester. If the student receives a grade of B- or lower, a letter of warning will be sent to remind the student of the academic progression policy and standards. If the student's cumulative GPA falls below 3.0, the student will be placed on probation, and must raise the GPA to 3.00 or higher by the completion of the next 6 credits.

Once a student begins the capstone courses (NUR 667 and 699), students must be continuously enrolled in the University until all capstone work has been completed. Students will be enrolled in GRD 999 each semester after completing NUR 667 and 699 until the capstone project and all program requirements have been successfully completed.

## WITHDRAWAL

Students seeking to withdraw from the DNP program must meet with and submit a written letter of intent to the Director of the DNP program. The date of the receipt of the letter becomes the official date of withdrawal from the program.

Students must also follow the University policy regarding withdrawal from the University. Non-attendance does not constitute official withdrawal from the program.

## DISMISSAL

All courses in the DNP program must be completed with a grade of B (3.00) or higher and students may repeat only one course. Students may repeat any one nursing course only once. Additional course grades of B- or below will result in dismissal from the DNP program. Students in the DNP program must achieve a cumulative GPA of 3.00 or higher, and failure to maintain the GPA above 3.00 within 6 credits of a repeated course and/or failure of the preliminary exam on the second attempt will result in dismissal. Additionally, if the faculty finds that a student does not meet standards considered necessary for successful performance as a professional nurse, the student will be dismissed. These standards include, but are not limited to, level of achievement, health, and personal conduct.

## REINSTATEMENT

Students who withdraw from the DNP program must apply for readmission in a manner consistent with University policy. A student who has withdrawn from the program may apply for reinstatement in writing to the Director of the DNP Program and provide evidence of a cumulative GPA of 3.00 or higher at the time of leaving the program. Reinstatement will be subject to seat availability in a new cohort. Reinstatement requires the student to complete the course sequence and curriculum requirements for the new cohort. Students who do not enroll in a course for one calendar year will be placed on inactive status and must reapply to the program for reinstatement.

## PRELIMINARY EXAMINATION

A preliminary examination will be administered to DNP students following completion of NUR 605, 606, 607, 608, and 665. If the student's performance on the preliminary examination is less than satisfactory, the student and the academic advisor will meet to mutually develop a remedial plan. Failure to complete the remedial plan successfully and pass the preliminary examination on the second attempt will result in the student being unable to progress in the program. The student will be dismissed from the program.

## DEGREE REQUIREMENTS

Thirty-six credits at the doctoral level, including satisfactory completion of the practicum requirements, are required for the awarding of the Doctor of Nursing Practice degree. Completion of 36 credits is by itself not sufficient to authorize that the degree of Doctor of Nursing Practice be granted by the University. All program progression requirements, including preliminary examination, capstone project requirements, portfolio development, and any additional required Master's level credits and/or residency hours must be successfully completed prior to application for the Doctor of Nursing Practice degree. Graduates of the DNP program will have completed approximately 72- 84 credits post-BSN degree, demonstrated mastery of essential competencies, and provided documentation of 1000 practice hours post-BSN.

## EXPLANATION OF SEMESTER HOURS, GRADES OF SCHOLARSHIP, AND GRADE POINTS FOR GRADUATE AND PROFESSIONAL STUDIES DNP PROGRAM

Grade		Grade Points Per Semester Hour
A	(Excellent)	4.00
A-	(Excellent)	3.70
B+	(Above Average)	3.30
B	(Above Average)	3.00**
F	(Failure)	0.00
I	(Incomplete)	0.00
W	(Withdrew)	0.00
WF	(Withdrew Failing)	0.00
WP	(Withdrew Passing)	0.00
NC	(No Credit)	0.00
NG	(No Grade)	0.00

P	(Passing)	0.00
AU	(Audit)	0.00
TR	(Transfer)	0.00

\*\* Grades below B do not earn credit, and are not awarded. If a student does not earn a B or above, the course must be repeated; students are limited to repeating one (1) course total.

## CURRICULUM

- NUR 605, Evidence-based Practice: Transforming the Practice Environment
- NUR 606, Healthcare Systems Leadership
- NUR 607, Healthcare Outcomes
- NUR 608, Interprofessional Collaboration and Team Building
- NUR 609, Healthcare Quality Initiatives
- NUR 615, Quantitative Methods for Nurse Executives
- NUR 616, Healthcare Information Management and Technology
- NUR 617, Principles of Strategic Planning
- NUR 665, Healthcare Systems Leadership Seminar and Practicum I
- NUR 666, Healthcare Systems Leadership Seminar and Practicum II
- NUR 667, Healthcare Systems Leadership Seminar and Practicum III
- NUR 699, Capstone Project

Additional credits may include:

- NUR 668, Clinical Residency (students who need documented hours) – 3 credit
- GRD 999, Graduate Advisement (students who are completing capstone project) – 1 credit

## GRADUATION REQUIREMENTS FROM MASTER’S PROGRAM

Must be met in previous graduate coursework or taken in addition to DNP courses\*

- Theoretical Foundations
- Politics and Health Policy
- Advanced Health Promotion
- Financial Management in Healthcare
- Evidence-based Nursing Practice (or similar Advanced Nursing Research course)

Students may choose between a 3-year and a 4-year degree plan.

- \* In some circumstances, students may meet these content requirements through their portfolio documentation of professional work experiences.

## DNP COURSE OFFERINGS

### **GRD 999. Graduate Advisement**

**1 credit**

Registration for this course allows for continuous enrollment in a graduate program, and provides the student with ongoing faculty guidance, supervision, and use of University resources as the final program requirements are being implemented and evaluated. Generally taken as a continuation of capstone courses. Pass-fail grade.

### **NUR 605. Evidence-based Practice: Transforming the Practice Environment**

**3 credits**

This course introduces the concepts associated with evidence-based nursing practice models. The steps in implementing evidence-based practice are explored in depth, including the following: selecting a clinical or knowledge question or problem, forming a team, retrieving the evidence from published literature, evaluating the strength of the evidence, critiquing research and practice guidelines, synthesizing the research, examining patient preferences, making

evidence-based practice recommendations, deciding to change practice, implementing the practice change, evaluating the outcomes, and diffusing the innovation. Issues related to information management technology will be introduced. Strategies for creating a culture of evidence-based practice, both for individuals and systems, will be identified, and the barriers to evidence-based practice will also be identified. The concept of translation science and tools for applying evidence to practice will be emphasized. The goal of this course is to provide the student with the knowledge and skills necessary to assume a leadership role in transforming healthcare and educational environments.

**NUR 606. Healthcare Systems Leadership**

**3 credits**

The purpose of this course is to provide a comprehensive exploration of leadership theories and principles, as well as innovative leadership techniques. Units of content will focus on systems thinking, values and ethics, human resource utilization, legal issues, decision-making, organizational culture and climate, communication skills, succession planning, theories of change and change leadership, creation of learning communities, professional accountability, and leadership within professional nursing organizations. Qualities and behaviors associated with exemplary leadership will be identified. The goal of this course is to develop and refine the leadership skills of the student as he/she works to transform practice and educational environments in order to enhance the quality of nursing and healthcare delivery systems. The student will be expected to use his/her own work environment as a learning laboratory to assess and develop existing leadership structures.

**NUR 607. Healthcare Outcomes**

**3 credits**

This course examines concepts related to healthcare outcomes identification, measurement, management, and planning for improved outcomes. Goals for healthcare outcomes and the delivery of healthcare will be identified relative to health promotion, disease prevention, disease management, and the design of innovative healthcare delivery models. Units will focus on principles and concepts associated with epidemiology; healthcare evaluation design; methodologies for outcomes research; use of epidemiological, bio statistical, environmental, geographic, genetic, behavioral, and socioeconomic data to evaluate outcomes of healthcare delivery; processes in program evaluation; use of outcomes data to shape healthcare policy; measurement of cost-effectiveness; and the development of new practice guidelines based on outcomes research. The goal of this course is to provide the knowledge, skills, and tools needed for leadership in healthcare outcomes management and planning.

**NUR 608. Interprofessional Collaboration and Team Building**

**3 credits**

This course focuses on the knowledge and skills necessary to provide exemplary leadership of groups and teams, with an emphasis on relationship building and team building. Units of content include effective communication with groups and teams, conflict management and resolution, group process and techniques for effectively leading meetings, the application of adult learning principles, emotional intelligence, characteristics of effective teams, roles and scope of practice of various healthcare professionals, and the creation of a professional practice culture. The student will complete various assessments to determine the effectiveness of practice environment communication, meetings, and groups/teams. Guided facilitation of meetings will be included as a learning experience. The goal of this course is to further enhance the student's leadership skill development in order to resolve complex clinical situations and improve practice environments so that best practice standards are operationalized.

**NUR 609. Healthcare Quality Initiatives**

**3 credits**

This course will focus on the role of the nurse executive in quality initiatives. Strategies for creating a culture of quality will be examined, including the review of several key methodologies and techniques utilized in the development of quality improvement programs. Concepts associated with quality management will be explored, including review of quality standards and benchmarks, systems thinking, and the collection of reliable data regarding quality. Units of content will also include the application of statistical methods for data analysis, the process of root cause analysis, the nature and analysis of sentinel events, and the process of continuous quality improvement within healthcare and educational institutions. The goal of the course is to provide the scientific knowledge base and practical tools necessary for leadership of healthcare quality initiatives, so that an organizational infrastructure can be built.

**NUR 615. Quantitative Methods for Nurse Executives**

**3 credits**

This course provides an overview of quantitative methods and appropriate use of statistical techniques most commonly used in the health sciences. Topics include most descriptive and inferential statistical tests, including correlational and repeated measures analysis. Emphasis is placed on the underlying logic of each statistical test, discerning if appropriate tests have been applied, basics of spreadsheets and statistical software, and evaluation of research results. The goal of this course is to ensure that the nurse leader makes decisions based on data and information that has been reliably

collected and analyzed so that efficient and effective decisions can be made that allow the organization to be successful.

**NUR 616. Healthcare Information Management and Technology**

**3 credits**

This course provides the student with an opportunity to examine the value of health information management using computer technology. Units of content will explore methods for choosing information and technology systems to support the following aspects of healthcare leadership: information literacy for evidence-based practice, quality improvement and outcomes evaluation, management tasks, educational processes, clinical information systems, clinical decision support systems, electronic medical records, clinical pathways, clinical protocols and guidelines, personal digital assistants, and classification systems for documentation. Standards and principles for selecting and evaluating information systems will be discussed, along with ethical and legal issues. The student will gain practice in extracting data from information systems and data dashboards in order to make decisions, and will participate in institutional evaluation of existing information management systems in his/her own work setting.

**NUR 617. Principles of Strategic Planning**

**3 credits**

This course focuses on the process of strategic planning as part of the executive leadership role. Units of content include the development of a strategic vision, writing a mission and philosophy, SWOT and gap analyses, assessment of the external environment, organizational assessment, internal strengths and limitations, health economics and health finance, forecasting, soliciting consumer input into organizational goals, defining organizational goals, acquisition and allocation of resources, practice innovations and clinical program development, workflow design and redesign, program planning and evaluation, risk anticipation and risk management, marketing principles, and the measurement and analysis of performance. Strategic thinking is encouraged within each unit and each learning activity. The student will be expected to participate in strategic planning sessions in his/her own work environment and to evaluate existing strategic plans. The goal of this course is to ensure that the student is prepared to assume accountability for improving the health outcomes of individuals and aggregates.

**NUR 625. Seminar on College Teaching**

**3 credits**

This course is designed to develop and refine knowledge and skills associated with teaching at a college or university. Unit of content focus on the purposes and structure of higher education, the processes of preparing and managing a course, the appropriate selection of teaching strategies to achieve various student learning outcomes, methods for assessing student learning outcomes, and the work of the faculty member beyond teaching responsibilities. Ultimately, this course will assist Doctor of Nursing Practice (DNP) graduates to make an effective transition from clinical practice, administration, or teaching in basic nursing programs to teaching in undergraduate and graduate programs within college or university settings, incorporating the DNP commitment to scholarship and nursing practice innovation as they carry out new faculty roles.

**NUR 665. Healthcare System Leadership Seminar and Practicum I**

**3 credits**

During the 125 hour practicum activities associated with this course, students will use leadership theories and principles to provide leadership in the changing practice environment in order to improve the outcomes of patient care. Mentorship will be provided by a clinical expert within the practicum setting of the student. Seminar hours are included in this course, to provide the student with the opportunity to participate in a learning community of colleagues and scholars who will serve as consultant. Issues related to implementation of the change project will be explored, with a focus on the application of leadership skills in the process of transforming the practice environment toward a more effective, evidence-based model of care delivery.

**NUR 666. Healthcare System Leadership Seminar & Practicum II**

**3 credits**

The purpose of this course is to provide the student with opportunities to refine leadership skills related to outcomes measurement and quality initiatives within a clinical practice environment. Using the knowledge and skills gained in the prerequisite courses and concurrent course, the student will lead a quality initiative based on the analysis of outcomes data. In the 125 hours of practicum experience, the student will form a quality improvement team and collaborate with members of the healthcare disciplines on a project designed to achieve positive healthcare outcomes. The student will be expected to formulate practice guidelines and clinical protocols using best available evidence. In the seminar hours associated with this course, the student will consult with his/her peers to examine system leadership issues, implementation issues, collaboration issues, and team facilitation issues in order to maximize the outcomes of the projects.

**NUR 667. Healthcare System Leadership Seminar & Practicum III**

**3 credits**



This course provides the student with the opportunity to analyze the role of the nurse executive, through 125 guided hours of practicum experience with a seasoned preceptor at the system level in the work environment which best matches the student's initial career goals following completion of the DNP curriculum. Learning experiences will focus on the following: processes associated with budget and finance, strategies for managing and developing human resources, healthcare policy, legal and ethical issues, program and patient care delivery design and implementation, utilization of information systems, meeting facilitation at the organizational or system level, application of analytical skills in decision-making, communication and relationship building, interprofessional collaboration, succession planning, and strategic planning. During this practicum, the student will design a change project that will have system impact resulting in organizational change and immediate improvement in the quality of healthcare and nursing. This change project, aimed at clinical translation and direct application to practice, will be presented to the student's capstone project committee for review and approval prior to implementation. Asynchronous discussion will focus on identity development related to the nurse executive role. The students will serve as consultative peers in exploration of issues and strategies for developing skills as a nurse executive. Prerequisites: NUR 605, 606, 607, 608, and 609.

**NUR 668. Clinical Residency**

**3 credits**

The clinical residency experience will provide the opportunity for students to demonstrate expertise in practice and will be individualized for students based on their prior education and experience. Residency experiences will be designed to help students build and assimilate knowledge for advanced specialty practice at a high level of complexity. In depth work with experts from nursing and other disciplines will be incorporated to provide opportunities for meaningful student engagement within practice environments. This residency is designed to provide an opportunity for doctoral students enrolled in the program to fulfill the practice experience requirements specified in the DNP curriculum. The curriculum is based on the DNP Essentials developed by the American Association of Colleges of Nursing (AACN, 2006) which outline competencies expected of DNP graduates and designate a minimum of 1000 hours of post-baccalaureate practice. These hours can be accumulated over the life of the program but the practice requirement must be fulfilled prior to implementation of the capstone project. Students who have had supervised practice requirements as part of a clinical MSN program will have already accumulated a portion of these required hours prior to entering the DNP program. Pass-fail grade.

**NUR 699. Capstone Project**

**3 credits**

This capstone course provides the student with the opportunity to synthesize previous learning in the implementation and evaluation of a system level change designed to immediately improve healthcare outcomes. During the 125 hours associated with this course, the student will conduct a change project based on principles of science and evidence-based practice, healthcare quality, and systems leadership. Successful completion of this final practicum will require the student to present the results of the change project to his/her capstone project committee for their review and approval of the cumulative scholarly work. It is expected that this project will demonstrate the measurement and evaluation of outcomes resulting from the organizational change. Discussions with the capstone committee will focus on the sophisticated leadership skills required of the nurse executive, including the highest level of analytic thinking and problem-solving skills. Prerequisites: Completion of 33 DNP credits and all clinical residencies. Pass-fail grade.

# UNIVERSITY DIRECTORY

## BOARD OF TRUSTEES — 2021-2022

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H. Mathilda Horst  
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Barbara H. Duffield

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John W. Knox II

## PRESIDENTS OF THE UNIVERSITY

The Reverend Joshua Loughran .....	1849-1855
The Reverend Jonathan Perkins Weethee .....	1855-1858
John C. Flenniken, Acting President (President of the Board of Trustees) .....	1858-1959
The Reverend Alfred Brashear Miller, D.D. ....	1859-1899
James William McKay, LL.D., Acting President.....	1899-1900
Archelaus Ewing Turner, Ph.D. ....	1900-1904
Alvin Fayette Lewis, Ph.D. ....	1904-1905
Jacob Frank Bucher, M.D., Acting President.....	1905-1908
William Mestrezat Hudson, Ph.D. ....	1908-1911
The Reverend Henry Dudley Patton, Acting President.....	1911-1912
Ezra Flavins Baker, Ph.D. ....	1912-1915
Herbert Pierrepont Houghton, Ph.D. ....	1915-1918
James William McKay, LL.D. ....	1918-1921
Paul Rich Stewart, Sc.D. ....	1921-1963
Bennett Milton Rich, Ph.D. ....	1963-1974
Joseph Franklin Marsh, LL.D. ....	1974-1983
John Phillip Strange, Sc.D., Interim President.....	1982-1983; 1989-1990
J. Thomas Mills, Ed.D. ....	1983-1989
Timothy R. Thyreen, L.H.D. ....	1990-2013
Douglas G. Lee, J.D. ....	2013-

## ADMINISTRATIVE OFFICERS

Douglas G. Lee (2009).....	President
B.S., Waynesburg College; J.D., West Virginia University College of Law	
Dana C. Baer (1998) .....	Provost/Professor of Criminal Justice
B.A., Washington & Jefferson College; J.D., DePaul University, College of Law	
Stacey R. Brodak (2017).....	Vice President for Institutional Advancement & University Relations
B.A., West Virginia University; M.B.A., Waynesburg College	
Laura K. Coss (2008).....	Chief Financial Officer
B.S.B.A., M.B.A., Waynesburg University	
William G. Dumire (2013).....	Vice President for Information Technology/Chief Information Officer
B.S., M.I.S., University of Phoenix	
Laura S. Lawrence (2008).....	Executive Assistant to the President
A.A., Ohio State University	
Shari L. Payne (2015) .....	Vice President for Enrollment
B.A., University of Pittsburgh; M.S., Robert Morris University; Ed.D., University of Pittsburgh	
Timothy R. Thyreen (1983) .....	Chancellor
B.A., North Park College; M.S., Duquesne University; L.H.D., Waynesburg College	

## ADMINISTRATIVE STAFF

Kayla M. Ayers (2018) .....	Assistant Director of Graduate & Professional Enrollment
B.A., Waynesburg University	
Lauren J. Bailey (2018).....	Resident Director & Assistant Director of Campus Ministry
B.A., Waynesburg University	
Alexa A. Baily (2019).....	Disability Services Coordinator & Academic Support Specialist
B.A., The Ohio State University; M.A., Waynesburg University	
Robert D. Barnhart (2012) .....	Admissions Counselor
B.S., Waynesburg College; M.B.A., Waynesburg University	
Charles A. Beiter (1966) .....	Scheduling Coordinator*
B.A., Saint Joseph's College; M.A., Duquesne University	

Sarah A. Bell (2015)	Career Development Specialist and Study Abroad Coordinator
B.A., Waynesburg University; M.S., West Virginia University	
Gennaro F. Bonaventura (2018)	Head Coach, Women's Lacrosse/Assistant Coach, Wrestling/ Athletic Equipment Manager
B.S.B.A., M.Ed., Waynesburg University	
Heather D. Bonaventura (2015)	Assistant Director of Financial Aid
B.S.B.A., M.B.A., Waynesburg University	
Carly Breach (2021)	Help Desk Analyst
B.S., Waynesburg University	
Joan M. Brichetti (1985)	Assistant Registrar
A.S., B.A., M.B.A., Waynesburg College	
Patricia S. Bristol (1995)	Associate Dean of Student Activities
B.A., M.Ed., University of Pittsburgh	
Carin L. Camp (2015)	Campus Security Officer
Brian L. Carr (2007)	Director of Pathways Center
B.S., Pennsylvania State University; M.Ed., Kent State University	
Melissa A. Crouse (1998)	Associate Director of Financial Aid
B.S.B.A., Waynesburg College	
George DeAugustino (2021)	Head Coach Women's Soccer
B.S., Grove City College; M.B.A., Anderson University	
Jennifer L. Dean (2012)	Nurse Director, Student Health Services
B.S., California University of Pennsylvania; M.S.N., Waynesburg College	
James W. DePriest (2008)	Multimedia Specialist
B.A., Cumberland University; M.B.A., Waynesburg University	
Kyle A. Digiandomenico (2015)	Admission Counselor
B.A., M.B.A., Waynesburg University	
Tara R. Dillon (2019)	Nurse*
A.S.N., Community College of Allegheny County; B.A., California University of Pennsylvania	
Jessica J. Dorazio (2016)	Senior Accountant
B.S.B.A., M.B.A., Waynesburg University	
Heidi A. Dziak (2020)	Resident Director
B.S.B.A., Waynesburg University	
David J. Floyd (2012)	Director of Development and Alumni Relations
B.A., M.B.A., Waynesburg University	
Robert C. Fox (2008)	Sports Information Director
B.A., Waynesburg College	
Joshua Francis (2021)	Assistant Football Coach
B.A., West Virginia University	
Lanny L. Frattare (2009)	Special Assistant to University Relations/ Assistant Professor of Communication*
B.A., Ithaca College	
Kristen E. Friday (2019)	Admissions Counselor
B.A., Waynesburg University	
Timothy Fusina (2019)	Head Coach, Men's Basketball
B.S., M.S., California University of Pennsylvania	
Donna M. Haines (1998)	Nurse*
B.S.N., Waynesburg College	
Mary C. Hamilla (2001)	Assistant Director of the Educational Enrichment Program/ Academic and Major Decision Counselor
B.A., Seton Hill College; M.S., California University of Pennsylvania	
Kevin Hamon (2021)	Campus Security Officer/ Assistant Director of Security Operations and Emergency Management

Christopher L. Hardie (2012).....	Assistant Dean of Student Services/ Head Coach, Men's & Women's Cross Country
B.A., M.A., California University of Pennsylvania	
Kelley M. Hardie (2003).....	Dean of Students
B.S., Saint Vincent College; M.S., California University of Pennsylvania	
Ronald P. Headlee (2008).....	Head Coach; Wrestling, Men's & Women's Tennis
B.A., Messiah College	
Thomas L. Helmick (2002).....	Director of Human Resources
B.S., M.S., West Virginia University	
Michael D. Humiston (1991) .....	Director of the Department of Public Safety/Head Coach, Baseball
B.S., Weber State College; M.B.A., Waynesburg College	
Samuel A. Jones (2008) .....	Head Coach; Women's Basketball, Golf
B.A., Mount Union College	
Lucas J. Kiger (2020).....	Campus Security Officer/ Assistant Director of Security Operations and Emergency Management
B.A., Waynesburg College	
Barbara T. Kirby (1992).....	Director for the Center for Research & Economic Development/ Project Director, Teaching with Primary Sources
B.A., University of Pittsburgh; M.B.A., Waynesburg College	
Chaley R. Knight (2011).....	University Counselor
B.A., M.A., Waynesburg University	
Erin L. Leaver (2014).....	Assistant Athletic Trainer
B.A., Anderson University; M.S., California University of Pennsylvania	
Marie Lechlitter-Krause (2015) .....	Assistant Provost of Academic Affairs and Institutional Effectiveness
B.A., Waynesburg College; M.A., California University of Pennsylvania; Ed.D., West Virginia University	
Ryan Lemmon (2021) .....	Resident Director
B.A., Waynesburg University; M.S., Saint Vincent College	
Dong Li (2018) .....	Instructional Designer
B.A., Harbin Normal University; M.Ed., Pennsylvania State University	
Treg Lurger (2021).....	Head Coach Men's Soccer
B.A., M.A., Malone University	
David M. Mariner (1999).....	Dean of Graduate and Professional Studies
B.S., Westminster College; M.B.A., Waynesburg College; Ph.D., Robert Morris University	
Larry A. Marshall (2012).....	Special Assistant to the President for Community Relations*
B.S., Waynesburg College	
Anne Maxwell (2020) .....	Resident Director
B.A., Waynesburg University; M.A., Geneva College	
Carrie L. McAfee (2013) .....	Art Director
A.A., Art Institute of Pittsburgh; B.S., M.S., West Virginia University	
Renee S. McElligott (1988).....	Senior Associate Director of Admissions/Campus Visit Manager
B.A., Waynesburg College; M.Ed., California University of Pennsylvania	
Allen D. Miller (2008) .....	Help Desk Analyst
B.A., California University of Pennsylvania; M.Ed., Waynesburg University	
Haleigh S. Miller (2018) .....	Help Desk Analyst
B.S., Waynesburg University	
Donna J. Nypaver (2012).....	Director of Donor Relations & Annual Giving
B.S., West Virginia University	
Jane S. Owen (1987).....	Director, Educational Enrichment Program/ Clinical Services/Counseling Center
B.S.W., M.S.W., West Virginia University	
Jacqueline E. Palko (2015).....	Director of Undergraduate and Graduate Admissions
B.A., Notre Dame College; M.B.A., Lake Erie College	

Carol Patton (2021)	Director of the DNP Program B.S.N., Pennsylvania State University; M.S.N., West Virginia University; Ph.D., University of Pittsburgh
Larry R. Pettit (2012)	Assistant Athletic Director/Strength & Conditioning Coach/ Director of Fitness Center B.S., Waynesburg College; D.C., New York Chiropractic College; M.Ed., Waynesburg University
Matthew R. Pioch (2016)	Director of Housing B.S., M.A., Olivet Nazarene University
Kerry M. Purnell (2010)	Assistant Registrar B.A., M.A.C.P., Trinity International University; M.Ed., Waynesburg University
Deborah L. Reynolds (1984)	Associate Director of Human Resources B.S.B.A., Waynesburg University
James Rieker (2020)	Instructional Designer B.S., University of Notre Dame; Ph.D., University of Pittsburgh
James L. Roundtree III (2019)	Assistant Athletic Trainer B.S., Waynesburg University
Robert P. Salosky (2014)	Applications and Training Support Specialist Sr. B.S., Waynesburg University; M.S., University of Pittsburgh
Kylee J. Sargent (2014)	Director, ITS Client Services B.S., Waynesburg University
Terry S. Sattler (2012)	Director of Facilities Planning & Management
Christine M. Schwartzmiller (2011)	Executive Secretary to the President B.S., Slippery Rock University
Sarah K. Scott (2015)	Professional Tutor, Writing Center* B.A., Washington & Jefferson College; M.A., West Virginia University
Aaron Sielski	Resident Director B.A., Waynesburg University
Emily R. Smelley (2017)	Admissions Counselor B.A., M.B.A., Waynesburg University
Joella H. Smith (2007)	Administrative Assistant/Human Resources
Christopher S. Smithley (2016)	Head Coach, Football B.S., M.B.A., Waynesburg University
Nicole R. Snyder (2000)	Bursar B.S.B.A., M.B.A., Waynesburg College
Joshua M. Starsick (2001)	Senior Director of Information Technology Services B.A., West Virginia University; M.B.A., Waynesburg University
Genna L. Steele (2008)	Academic Projects and Grants Coordinator B.S., California University of Pennsylvania; M.B.A., Waynesburg University
Andrew M. Stewart (2018)	Help Desk Analyst B.A., Waynesburg University
Matthew C. Stokan (2002)	Director of Financial Aid B.A., Duquesne University; M.A., M.Div., Mount Saint Mary's College
Kristen M. Stone (2017)	Network Analyst B.S., M.B.A., Waynesburg University
Matthew L. Stultz (2015)	Corporate Relations & Communication Specialist B.A., West Virginia University; M.S., Duquesne University
Jill Moyer Sunday (2004)	Director, Writing Center B.A., Carlo College; M.A., Duquesne University
Emily Taylor (2020)	Head Coach, Women's Volleyball B.A., Pennsylvania State University; M.S., West Virginia University
Adrienne D. Tharp (2014)	Coordinator of the Bonner Scholars Program B.A., Wheeling Jesuit University

Meg K. Throckmorton (2018).....	Accountant
B.S.B.A., Waynesburg University	
Carolyn S. Thyreen (2013).....	Special Assistant to the Chancellor
B.A., Waynesburg College; L.H.D., Waynesburg University	
Judith A. Van Kirk (1993) .....	Coordinator for Institutional Research
B.S.B.A., Waynesburg College	
Scott E. Venick (2008).....	Assistant Coach, Football
B.S., Waynesburg College	
Tyler J Webb (2018) .....	Resident Director & Academic Support Specialist
B.A., Grove City College; M.A., Waynesburg University	
Avery White (2021) .....	Temporary Assistant Director of Student Activities
B.S., Waynesburg University	
Kelly R. Wilczynski (2005) .....	Academic Safety Coordinator/Chemical Hygiene Officer
B.S., Waynesburg College	
Amy L. Wilson (2011) .....	Nurse*
B.S.N., Waynesburg College	
James J. Wilson (2014) .....	Assistant Director of Facilities Management
Vicki M. Wilson (1992).....	Registrar
A.S., B.S.B.A., M.B.A., Waynesburg University	
Ashley M. Wise (2012).....	Director of University Relations
B.A., Indiana University of Pennsylvania	
Sue A. Wise (2005).....	Associate Director, Teaching with Primary Sources Program
B.A., M.Ed., Waynesburg University	
Richard Zebrowski (2011) .....	Network Analyst
B.S., Waynesburg College	

## FACULTY

(The year in parentheses is the date of first appointment to the university faculty.)

### *Professors*

Lloyd W.J. Aultman-Moore (1996) .....	Professor of Philosophy
B.A., Boston College; M.A., Ph.D., Loyola University of Chicago	
Evonne A. Baldauff (2007).....	Professor of Chemistry/ Chair, Chemistry and Forensic Science Department
B.S., Grove City College; Ph.D., Purdue University	
James R. Bush (1991) .....	Professor of Mathematics
B.S., Bucknell University; M.A., Ph.D., University of Pittsburgh	
Christopher A. Cink (2002).....	Professor of Biology/ Chair, Biology, Environmental Science and Health Science Department
B.S., Baker University; Ph.D., University of Nebraska	
Sara L. Clutter (2003) .....	Professor of Nursing
B.S.N., Waynesburg College; M.S.N., Duquesne University; Ph.D. West Virginia University	
Ronda E. DePriest (2006) .....	Professor of Instrumental Music/Director of the Music Program
B.A., Harding University; M.M., University of Arkansas; D.A, University of Northern Colorado	
Jamie M. Dessart (2000) .....	Professor of English/ Chair, English & Foreign Languages Department
B.S., University of Tennessee; M.A., Eastern Michigan University; Ph.D., University of Kentucky	
Bryan R. Hamilton (1989) .....	Professor of Biology
B.S., University of Massachusetts; M.S., Ph.D., University of Wisconsin	
James M. Hepburn (1993).....	Professor of Psychology/Program Director, Masters of Arts in Counseling/ Program Director, Doctor of Philosophy in Counselor Education and Leadership
B.A., Carroll College; M.A., Ph.D., Duquesne University	

- Adam E. Jack (2010)..... Professor of Criminal Justice/  
Chair, Criminal Justice and Social Sciences/  
Director of Athletics  
B.A., B.S., Waynesburg College; M.S., Marshall University
- Jenny L. Jellison (2004).....Professor of Psychology  
B.A., Thiel College; M.A., Ph.D., The University of Toledo
- Richard A. Leipold (1991)..... Professor of Computer Science/  
Chair, Mathematics, Computer Science and Physics Department  
B.A., Washington and Jefferson College; M.A., Ph.D., University of Pittsburgh
- Gordon W. McClung (2007)..... Professor of Marketing/Chair, Business Administration Department  
B.S.B.A., M.B.A., West Virginia University; Ph.D., University of Pittsburgh
- Andrew Nocita (2007) .....Professor of Psychology  
B.A., Michigan State University, E. Lansing; M.A., Ph.D., Miami University, Ohio
- Abolade E. Olagoke (2008)..... Professor of Sociology  
B.A., Oklahoma State University; M.A., Northern Baptist Theological Seminary; M.A., Wheaton College; Ph.D.,  
Denver University
- Janet A. Paladino (2005)..... Professor of Biology  
B.S., M.Sc., D.Sc., University of Pittsburgh
- Edward L. Powers (2000) ..... Professor of Theatre  
B.S., Austin Peay State University; M.F.A., University of Memphis
- Robert M. Randolph (2012) ..... Professor of English  
B.A., Wilmington College; M.A., Louisville Presbyterian Theological Seminary, M.A., Ph.D., Southern  
Illinois University
- Keith L. Rieder (2007) .....Professor of Psychology  
B.A., Edinburg State University; M.D., Wesley Theological Seminary; M.S., Duquesne University;  
Ed.D., West Virginia University
- Chad R. Sethman (2007)..... Professor of Biology  
B.A., Washington & Jefferson College; Ph.D., Miami University, Ohio
- Paul M. Sielski (1988) .....Professor of Mathematics  
B.A., Carnegie-Mellon; M.A., Ph.D., University of Pittsburgh
- Kathy A. Stofler (2000) ..... Professor of Nursing/Chair Nursing Department  
B.S.N., West Liberty State College; M.S.N., West Virginia University; Ed.D., Nova Southeastern University
- Richard L. Waddel (1997) .....Professor of Political Science  
B.S., U.S. Naval Academy (Annapolis); M.A., Auburn University; Ph.D., Duke University
- Elizabeth Baoying Wang (2005)..... Professor of Computer Science  
B.E., Beijing University of Science; M.A., St. John's University; M.S., St. Cloud University; Ph.D., North Dakota  
State University

### ***Associate Professors***

- William G. Batchelder (2013)..... Associate Professor of History/  
Director, Honors Program  
M.A., St. Andrews University, Scotland; M.A., Ph.D., The Ohio State University
- Devon D. Bowser (2014) .....Associate Professor of Counseling  
B.A., Indiana University of Pennsylvania; M.A., Franciscan University; Ph.D., Duquesne University
- Bradley W. Davis (2014) ..... Associate Professor of Chemistry  
B.S., Waynesburg University; Ph.D., Pennsylvania State University
- Heidi J. Fletcher (2008) ..... Associate Professor of Chemistry  
B.S., Frostburg State University; Ph.D. Rensselaer Polytechnic Institute
- Cory R. Goehring (2013) .....Associate Professor of English  
B.A., Washington & Jefferson College; M.A., University of Massachusetts; Ph.D., University of  
Pittsburgh



- Andrew N. Heisey (2012) ..... Associate Professor of Art/Chair, Fine Arts Department  
B.A., Messiah College; M.A., Bloomsburg University; M.F.A., University of the Arts, Philadelphia
- Richard J. Pierce (2012) ..... Associate Professor of English  
B.A., University of Pittsburgh; M.A., Ohio University; M.F.A., University of Illinois; Ph.D., Texas Tech University
- Amy T. Randolph (2005) ..... Associate Professor of English  
B.A., M.F.A., Texas State University; Ph.D., Binghamton University
- Chad D. Sherman (2011) ..... Associate Professor of Communication  
B.S., M.A., Ph.D., Indiana University of Pennsylvania
- Kelley Solomon (2011) ..... Associate Professor of Education  
B.S., M.A., Ed.D., West Virginia University
- Kimberly P. Stephens (2008) ..... Co-Director of the Doctor of Nursing Practice Program/  
Associate Professor of Nursing  
B.S.N., M.S.N., Duquesne University; D.N.P., Waynesburg University
- Lawrence M. Stratton, Jr. (2011) ..... Associate Professor of Ethics and Constitutional Law/  
Director, Stover Center for Constitutional Studies and Moral Leadership  
B.S., University of Pennsylvania; J.D., Georgetown University Law Center; M.Div., Ph.D., Princeton Theological Seminary
- Kimberly Wise (2021) ..... Associate Professor of Athletic Training/  
Clinical Education Coordinator  
B.S., M.S., Barry University; Ed.D., Northeastern University
- Kimberly A. Whiteman (2009) ..... Co-Director of the Doctor of Nursing Practice Program/  
Assistant Professor of Nursing  
B.S.N., Pennsylvania State University; M.S.N., University of Pittsburgh;  
D.N.P., Waynesburg University
- Emmanuel Ngijoi Yogo (2009) ..... Associate Professor of Physics  
B.S., University of Bordeaux (France); M.S., Pierre & Marie Curie University (France); Ph.D., University of Massachusetts
- Karen V. Younger (2012) ..... Associate Professor of History/  
Chair, Humanities Department  
B.A., Trinity International University; M.Div., Gordon-Conwell Theological Seminary;  
Ph.D., Pennsylvania State University

### ***Assistant Professors***

- Kenneth B. Cairns (2019) ..... Assistant Professor of Criminal Justice  
B.S., Adelphi University; M.A., Ph.D., Cast Western Reserve University
- Melanie V. Catana (2011) ..... Assistant Professor of Vocal Music/Director of Choral Music  
B.A., M.A., Carnegie Mellon University
- Michael Cipoletti (2008) ..... Assistant Professor of Forensic Science  
B.S., Westminster College; M.S., West Virginia University
- Kristin A. Clingerman (2018) ..... Assistant Professor of Criminal Justice  
B.A., Washington & Jefferson College; J.D., Duquesne University School of Law
- Tracey E. Dohn Cummins (2018) ..... Assistant Professor of Biology  
B.S., Wittenburg University; Ph.D., University of Cincinnati
- Lanny L. Frattare (2009) ..... Assistant Professor of Communication/  
Special Assistant to University Relations\*  
B.A., Ithaca College
- Christian Hayes (2021) ..... Assistant Professor of Biology  
B.S., Cedarville University; M.S., Loma Linda University
- Lina B. Hixson (2014) ..... Assistant Professor of Nursing/Director of the RN/BSN Program  
B.S.N., La Roche College; M.S.N., Duquesne University; Ph.D., Penn State University

- Richard L. Krause, Jr. (1994)..... Assistant Professor of Communication/  
Chair, Communication Department  
B.S., California University of Pennsylvania; M.S.J., West Virginia University; M.A., University of  
Pittsburgh
- Amanda L. Machesky (2013)..... Assistant Professor of Nursing  
B.S.N., Waynesburg University; M.S.N., Ph.D., Walden University
- Deana M. Mack (2014) ..... Assistant Professor of Education/Chair, Education Department  
B.A., M.A., University of Pittsburgh; Ph.D., Robert Morris University
- Kelley Beth McNichols (2019) ..... Assistant Professor of Counseling  
B.A., Indiana University of Pennsylvania; M.S.Ed., Ph.D., Duquesne University
- Marissa Mendoza (2021) ..... Assistant Professor of Psychology  
B.A., University of California; M.A., McNeese State University; Ph.D., Texas A&M
- Faith L. Musko (2012) ..... Assistant Professor of Forensic Science  
B.S., Waynesburg University; M.S., University of Central Oklahoma; Ph.D., Robert Morris University
- Andrew S. Palko (2013)..... Assistant Professor of Athletic Training/  
Clinical Education Coordinator  
B.S., Waynesburg College; M.S., Ohio University; Ed.D., University of Pittsburgh
- Sherry L. Parsons (2014) ..... Assistant Professor of Nursing  
B.S.N., M.S.N., Waynesburg University
- Alexander Regina (2021) ..... Assistant Professor of Marketing  
B.S., M.B.A., Ph.D., Duquesne University
- William G. Stough (2016)..... Assistant Professor of Business Administration  
B.S.B.A., M.B.A., Waynesburg College
- Michelle L. Steimer (2018)..... Assistant Professor of Graduate Counseling  
B.S., University of Pittsburgh; M.A., Ph.D., Waynesburg University
- Takashi L. Suyama (2017) ..... Assistant Professor of Chemistry  
B.S., Oregon State University; Ph.D., University of California, San Diego
- Melinda J. Walls (2018)..... Assistant Professor of Business Administration/  
Director of the Entrepreneurship & Innovation Program  
B.S., J.D., West Virginia University

### ***Instructors***

- Logan Carlisle (2021) ..... Instructor of Business Administration  
B.S., Waynesburg University; M.B.A., Robert Morris University
- Jill E. Dattis (2017) ..... Instructor of Nursing  
B.S.N., M.S.N., Robert Morris University
- Jessica M. Floyd (2015) ..... Instructor of Nursing  
B.S.N., M.S.N., Waynesburg University
- Amy E. Hartman (2017)..... Instructor of Nursing  
B.S.N., Waynesburg University
- Wesley T. Hershelman (2019) ..... Instructor of Business Administration  
B.S.B.A., M.B.A., Waynesburg University
- Leslye A. Onofrey (2019) ..... Instructor of Nursing  
B.S.N., M.S.N., Waynesburg University
- Jody A. Rawlings (2016) ..... Instructor of Nursing  
B.A., Waynesburg College; M.S.N., Excelsior College
- Jennifer L. Roy (2017) ..... Instructor of Business Administration  
B.A., Boston University; M.B.A., Queens University of Charlotte
- Kristine Schiffbauer (2008)..... Instructor of Communication  
B.A., M.A., California University of Pennsylvania
- Paula J. Sexton (2017) ..... Instructor of Nursing  
B.S.N., West Virginia University; M.S.N., Waynesburg University

Melinda M. Skrbins (2017) .....	Instructor of Communication
B.A., Duquesne University; M.A., Gonzaga University	
Kelsey Sprowls (2021).....	Instructor of Education
B.A., M.Ed., Waynesburg University	
Joshua D. Sumpter (2016).....	Instructor of Biblical & Ministry Studies/University Chaplin
B.A., M.Div., Ashland Theological Seminary; M.Ed., Waynesburg University	
James A. Tanda (2013) .....	Instructor of Criminal Justice/
	Director of Security Operations & Emergency Management/
	Director of Graduate Criminal Investigation
B.A., Indiana University of Pennsylvania; M.A., Waynesburg University	
Kathryn C. Waddel (1998).....	Instructor of Computer Science
B.S., University of Idaho; M.S., Auburn University	
Eve M. Weaver (2016).....	Instructor of Nursing
B.S.N., M.S.N., Waynesburg University	
Yvonne Beverina Weaver (2011).....	Instructor of Education/
	Interim Director of Graduate Programs in Education
B.S., California University; M.A., West Virginia University	

### ***Librarians***

Beth H. Boehm (1991) .....	Librarian*
B.A., Grove City College; M.L.S., University of Pittsburgh	
Rea A. Redd (1997) .....	Director of Eberly Library/
	Librarian IV/Professor
B.A., Waynesburg College; M.A., Indiana University of Pennsylvania; M.L.S., University of Pittsburgh	
John W. Thompson (2001).....	Librarian IV/Professor
B.A., Wheaton College; M.A., University of Chicago	

### **EMERITI**

Charles A. Beiter (1966) .....	Professor Emeritus of English
B.A., Saint Joseph's College; M.A., Duquesne University	
Anthony L. Bocchini (1977) .....	Professor Emeritus of Business
B.S.B.A., Waynesburg College; M.S., Duquesne University; C.M.A., Institute of Management Accounting;	
C.P.A., Commonwealth of Pennsylvania	
Robert B. LaCount (1965) .....	Professor Emeritus of Chemistry
B.S., Shepherd College; M.Litt., Ph.D., University of Pittsburgh	
Mildred Maguire (1967).....	Professor Emerita of Chemistry
B.S., Carnegie-Mellon University; M.S., University of Wisconsin; Ph.D., Pennsylvania State University	
Nancy Rowland Mosser (1986) .....	Professor Emerita of Nursing
B.S.N., University of Pittsburgh; M.S.N., Ed.D., West Virginia University	
Susan Phillips (1974) .....	Professor Emerita of Art
B.S., Indiana University of Pennsylvania; M.F.A., Ohio State University	
Marilyn Roberts (1990).....	Professor Emerita of English
B.A., Vassar College; M.A., University of Newcastle-upon-Tyne; Ph.D., Columbia University	
Vootele Vaska (1964) .....	Professor Emeritus of Philosophy
A.B., Baldwin-Wallace College; M.A., Ph.D., Columbia University	
Phillip R. Weinberger (1976).....	Professor Emeritus of Sociology
A.B., Brooklyn College; A.M., Ph.D., Indiana University	

### **FACULTY OFFICERS—2021-2022**

Marshal .....	Richard L. Waddel
Deputy Marshal.....	James R. Bush
Assistant Marshal.....	Andrew N. Heisley

Assistant Marshal.....Faith L. Musko  
Secretary: .....James R. Bush

\* Part-time

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