



Bethany

College Catalogue 2017-2018

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Bethany online: www.bethanywv.edu
 Bethany College
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 Bethany, West Virginia 26032

College Calendar 2017-2018

The Bethany calendar includes two 15-week semesters, a three-week January Term, and a two, three or four-week May Term. Summer online classes are available through OCICU. The Fall Semester begins in late August and ends before Christmas. The Spring Semester begins in late-January and ends in mid-May. Summer independent study options are offered.

FALL SEMESTER 2017

June
19 Monday Early Bird Orientation

July
3-4 Mon.-Tue. Employee Holiday – 4th of July
10 Monday Fall statements mailed
17 Monday Orientation

August
1 Tuesday Fall balance due
21 Monday Fall Chair Workshop
22 Tuesday State of the College
22 Tuesday Fall Faculty Workshop
24 Thursday Orientation & Evaluation for New Students
24 Thursday Freshman Matriculation
27 Sunday Final Registration
28 Monday First day of classes for all students

September
1 Friday Last day for adjustment of schedules w/out academic or financial penalty
4 Monday Last day to add/drop a course
8 Friday Last day to determine credit/no credit
14 Thursday Fall Convocation
29-30 Fri.-Sat. Homecoming Weekend

October
13 Friday Last day of classes for first-half semester courses
13 Friday Mid-Term Grades Due
13 Friday Last day to apply for December Degree Conferral
16-17 Mon. - Tue. Mid-term Break
16 Monday Employee Holiday
27 Friday Last day to withdraw with a W

November
6-10 Mon. - Fri. Registration for Spring semester
10 Friday Last Day to Register for Spring w/out Late Registration Fee
17 Friday Last day to apply for January Comprehensive Examinations
17 Friday Last day to apply for January Degree Conferral
17 Friday, 4:00 p.m. Thanksgiving vacation begins for students
23-24 Thur. - Fri. Employee holiday - Thanksgiving
27 Monday Classes resume

December
4 Monday Spring statements mailed
12 Tuesday Last day of classes
13 Wednesday Reading Day
14-16 Thur. - Sat. Final examination period
18 Monday Final grades due
18 Monday Last day for non-freshmen to register for January Term
25-26 Mon.-Tue. Employee Holiday - Christmas
27-29 Wed. - Fri. Employee's Semester Break – Essential employees to report as necessary to conduct business for the college.

January Term 2018

January
1 Monday Employee Holiday – New Year's Day
2 Tuesday Staff returns to work
8 Wednesday Spring balance due

8-26 Mon. - Fri. January Term
20 Saturday Spring Faculty Workshop
22-23 Monday-Tuesday Comprehensive Exams (Written)
24-27 Wednesday-Saturday Comprehensive Exams (Oral)

WINTER/SPRING SEMESTER 2017

January
27 Saturday Spring Orientation
28 Sunday Final registration for all students
29 Monday First day of classes for all students

February
2 Friday Last day for adjustment of schedules w/out academic or financial penalty
9 Friday Last day to determine credit/no credit
9 Friday Last day to submit graduation applications

March
1 Thursday Founder's Day and Convocation
9 Friday Last Day to Apply for May Comprehensive Exams
9 Friday, 4:00 p.m. Spring vacation begins
19 Monday, 8:00 a.m. Classes Resume
22 Thursday Senior One-Stop
23 Friday Mid-term grades due
23 Friday Last day of classes for first half semester courses

April
2 Monday Easter Holiday – Students (no classes)
2 Monday Employee Holiday - Easter
6 Friday Last day to withdraw with W
9-10 Mon.-Tue. Oreon E. Scott Lectures
16-20 Monday-Friday Registration for Fall semester (2018-2019)
19 Thursday Honors Day and Convocation
20 Friday Last Day to Register for Fall w/out Late Registration Fee
27 Friday Last day of classes for seniors taking Comprehensive Exams
30 Monday Grades due for students taking Comprehensive Exams

May
5 Saturday Darline Nicholson May Morning Breakfast
7-8 Monday-Tuesday Comprehensive Exams (Written)
9-12 Wednesday-Saturday Comprehensive Exams (Oral)
11 Friday Last day of classes
11 Friday Grades due for graduates not taking Comprehensive Exams
14-16 Monday-Wednesday Final examination period
18 Friday Baccalaureate
19 Saturday Commencement
21 Monday Final grades due

May Term 2018

May
21 Monday First Day of Classes (Two, Three, or Four Week Courses)
28 Monday Memorial Day/Employee holiday

June
22 Friday Last Day for May Term courses
25 Monday Grades Due for May Term Courses

Bethany Profile

Bethany, a small college of national distinction, was founded March 2, 1840, by Alexander Campbell, who provided the land and funds for the first building and served as the first president. Now entering its 178th year, Bethany College is a highly contemporary institution based in the tradition of the liberal arts.

The College offers a wide array of studies, awarding bachelor of science and bachelor of arts degrees in more than 25 fields of study, many with options for emphasis. Students also may include one or more minors as part of their program. The College also offers a Masters of Arts in Teaching.

The College's program of liberal arts education prepares students for a lifetime of work and a life of significance. Bethany places particular emphasis on leadership and incorporates pre-professional education in dentistry, engineering, law, medicine, physical therapy, public administration, theology, and veterinary medicine.

Bethany's 1,300-acre campus is located in the northern panhandle of West Virginia in the foothills of the Allegheny Mountains. Pittsburgh is 39 miles to the northeast. A half-hour drive from the College are Wheeling, West Virginia; Washington, Pennsylvania; and Steubenville, Ohio.

Since its inception Bethany has been a private liberal arts college affiliated with the Christian Church (Disciples of Christ). This religious body, of which Campbell was one of the principal founders, continues to support and encourage the College, although it exercises no sectarian control. Students from virtually every religious community attend Bethany.

Mission

Teaching and learning form the mission of Bethany College. Central to this broad purpose is providing a liberal arts education for students, including the preparation of professionals, in an atmosphere of study, work, and service.

Values

Bethany College is an academic community founded on the close interaction between students and faculty in the educational process. Bethany College values intellectual rigor and freedom, diversity of thought and lifestyle, personal growth within a community context, and responsible engagement with public issues. Its programs are designed to

- engage the mind through emphasis on discipline in thinking, motivation in the search for knowledge, and acquisition of the intellectual resources for a lifetime of learning
- embolden the spirit through the opportunity for intellectual challenge, collaborative enterprise, athletic competition, artistic expression, personal growth, and meaningful work
- enlarge the world through exposure to the abundant diversity of thought and lifestyle of the human community, support for personal engagement with societies and cultures different from one's own, and commitment to service.

Goals

In its charter, granted in 1840 by the Commonwealth of Virginia and recognized in 1863 by the newly organized state of West Virginia, the mission of Bethany College is defined as

*the instruction of youth in the various branches of science and literature,
the useful arts and the learned and foreign languages.*

Alexander Campbell set the purpose of the College in the context of western religious tradition and the thinking of the American Enlightenment, interpreting it to imply that the goal of education is to prepare students to become useful and responsible members of society by liberating them from superstition and ignorance, the tyranny of others, and "vulgar prejudices." Campbell envisioned that upon graduation, students would become their own teacher and pupil and continue their education throughout life.

Bethany College continues to accept the implications of its mission as understood by its founder. It continues to accept the responsibility for educating effective, honorable, humane, and intelligent citizens who believe in and will promote the creation of a world of worth and value, integrating critical reason with the convictions of faith, personal accomplishment with ethical responsibility, and individual development with service to others.

Objectives

The Bethany experience encourages students to realize their intellectual capabilities, moral capacities, and leadership potential by assisting them in their quest to achieve the following objectives:

- the ability to write well and to read with discrimination
- the ability to speak with facility and to listen effectively
- the ability to use the liberal arts and sciences in the application of critical thinking
- the ability to recognize and to appreciate the ethical, moral, and spiritual dimensions of the human experience
- the ability to recognize and to appreciate the experiences of diverse populations
- the ability to recognize and to appreciate the importance of lifelong learning and the responsibilities of world citizenship
- the preparation for post-baccalaureate education and career opportunities

Accreditation, Memberships

Bethany College is fully accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools, 30 N. LaSalle Street, Chicago, Illinois 60602. Telephone 800-621-7440.

Bethany College holds memberships in:

- American Association of Colleges for Teacher Education
- American Council on Education
- Appalachian College Association
- Association of American Colleges and Universities
- College Entrance Examination Board
- Consortium for Computer in Undergraduate Education (C-CUE)
- Council of Independent Colleges
- Council on Social Work Education
- Division of Higher Education of the Christian Church (Disciples of Christ)
- Eastern College Athletic Conference
- The Higher Learning Commission, North Central Association of Colleges and Schools
- Independent College Enterprise
- National Collegiate Athletic Association, Division III
- Presidents' Athletic Conference



Undergraduate Program

Application for Undergraduate Program

Bethany accepts application for admission from candidates who feel they would benefit from and contribute to a Bethany education. Bethany College is a proud member of the Common Application. Prospective students can submit their applications in the following ways: through the Common Application, by paper application, or through our online application on the Bethany College website at www.bethanywv.edu/prospective-students/apply-online. There is not an application fee for any of the applications. Bethany College has the right to refuse or revoke the admission of a prospective or current student due to a criminal background.

Admission is based on a careful review of all credentials presented by the candidate. The Center for Enrollment accepts candidates it considers qualified among those applying. The meeting of minimum standards does not in itself assure admission. Acceptance is contingent upon a candidate's successful completion of secondary school.

The College seeks students who have prepared themselves for a liberal arts curriculum by taking at least 15 units of college-preparatory work. Although the College does not absolutely prescribe how these units should be distributed, it encourages a minimum of four years of English, three years of mathematics, three years of science, three years of social science, and two years of a foreign language. For students who have developed individual curricula, have been home schooled, or are involved in experimental honors programs, the Center for Enrollment makes special evaluations.

Visiting Bethany

An on-campus interview with an enrollment counselor is highly recommended. A campus visit enables the student to develop a more thorough understanding of the College and its expectations. A comprehensive tour, observation of classes, and interaction with Bethany students and faculty are available if desired by the applicant. Arrangements must be made through the Center for Enrollment.

Lodging is available on campus at Gresham Inn and at nearby lodges and motels. Transportation arrangements from the Greater Pittsburgh International Airport and from the Pittsburgh rail and bus terminals may be arranged through the Center for Enrollment.

The Center for Enrollment is open for tours Monday through Friday from 10 a.m. to 3 p.m. and Saturdays at 10 a.m. throughout the academic year. Also, visit www.bethanywv.edu for Green and White Visitation Days. Appointments can be made by filling out an appointment request form online, calling the Enrollment Office at 304-829-7611 or 800-922-7611, or by emailing the Enrollment Office at enrollment@bethanywv.edu. Three days' advance notice is recommended to make proper arrangements for visits.

First-Year Students

Application for admission requires submission of the following: completed application form; an official high school transcript; and an official score report from either the College Entrance Examination Board Scholastic Aptitude Test (SAT) or the American College Testing Program (ACT). In addition to those items, a letter of recommendation from a school counselor and a 250 word essay are recommended. An on-campus interview is strongly recommended but not required.

The application for admission and the acceptance are valid only for the academic year for which the application has been made.

Transfer Students

The College welcomes qualified transfer students. Applicants for transfer should have a good academic record at the institution attended and must present full credentials for both college and preparatory work. Transfers need to complete the Faculty Report and the Statement of Good Standing Form. Both can be found on Bethany College's website. Prospective transfer students should review the College's transfer of credit policy which can be found on the College Website.

Applications for transfer students are accepted year round. A thorough transfer analysis is completed by the Office of the Registrar to determine the amount of credits that will transfer in to Bethany College. The Center for Enrollment encourages transfers to apply well in advance as the process for transferring can take up to a month for everything to be complete.

Community College Graduates

Students who have received or will receive an Associate in Arts or Associate in Science Degree and find Bethany's curriculum suited to their educational goals are encouraged to apply.

Students transferring to Bethany with the A.A. or A.S. degree are granted a minimum of 60 credits, enter as juniors, and receive all the rights and privileges of upperclass students. The College assists holders of Associate degrees to complete their baccalaureate programs within two years at Bethany. However, the completion of some major programs may require more than two years at Bethany.

Early Admission

Some students complete their secondary school graduation requirements a year early and decide to enter college after the junior year. For those who have demonstrated maturity and show evidence of a strong academic background, Bethany offers a program for early admission. For early admission, the usual admission procedures must be followed. In addition, the student must have an interview on campus and the student's high school counselor must confer with the Bethany Director of Enrollment Management.

Bethany Scholars

Qualified area high-school students have the opportunity to take college courses at Bethany College free of charge during the regular semesters or as part of special summer offerings. The program, is open to students who have successfully completed the 10th grade in high school and are located in Brooke, Hancock, Ohio or Wetzel counties in West Virginia, Washington County in Pennsylvania, and Jefferson County in Ohio. Students must rank in the top 15 percent of their class and be nominated to participate in this program by a teacher, guidance counselor, or principal on an official Bethany College nomination form. Students who are home-schooled will be considered on an individual basis. Students may take a total of 6 credits per semester in their junior and senior years of high school.

Students who enroll in at least one course through this program will be designated Bethany Scholars for the term. They will be granted library privileges, given assistance in college selection and financing, preferential consideration in Bethany scholarship awards, and be admitted free-of-charge to college athletic, musical and cultural events.

The College also offers a variety of college-level courses in partnership with a number of area high schools. Some fees will apply for non-campus-based courses.

Advanced Placement and Credit by Examination

Credit may be received or courses waived as a result of high scores on the College Entrance Examination Board Testing Program for Advanced Placement and the higher level examinations of the International Baccalaureate Program. The waiving of courses and granting of credit, however, are departmental matters and require consultation with the chair of the appropriate department.

Students may receive advanced placement and/or credit from any department in the College through a testing program. Those who wish to receive credit by examination should consult with the Registrar and the chair of the appropriate department.

Dual Enrollment

Bethany College has established dual credit programs with particular high schools in which students may earn Bethany College credits for work. A student may earn up to 54 college credits which will be recognized and accepted by Bethany College. Students who earn a 3.0 or higher grade point average in their Bethany Advanced Scholar courses will receive early admission to Bethany and may be eligible for annual scholarships, work study, and grants at Bethany.

Program for Academic and Social Success

The Program for Academic and Social Success (PASS) is a fee based program that provides a comprehensive set of services specifically designed to support students with learning disabilities and attention deficit disorders in the college mainstream. The program promotes the development of skills which enhance a student's ability to undertake successful college-level work and engage in lifelong learning.

In order to participate in PASS, a student must also be admitted to Bethany College. In addition to the application, high school transcript, recommendations, and SAT or ACT scores, the student must submit complete documentation of the learning disability. Complete documentation consists of a current psycho-educational evaluation (within 3 years) and it must include recommendations for any adaptive devices, assistive services, etc. All candidates applying for PASS should schedule an interview with the PASS coordinator prior to the beginning of the school year. Interviews can be scheduled by the Center for Enrollment.

Students with documented disabilities are offered accommodations on a case by case basis in compliance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. Accommodations are provided at no additional cost.

International Students

Bethany encourages applications from residents of other countries. As many as ten countries are represented on campus each year. Prospective international students may apply to Bethany through the application form which appears on the Bethany College website at www.bethanywv.edu/prospective-students/apply-online.

In addition to the application form, prospective international students must submit a complete secondary school transcript, "O" or "A" level examination results (if appropriate), a certificate of financial support (available on the website address listed above), an official bank statement demonstrating financial sufficiency for at least one year's total expenses, and one letter of recommendation. English language proficiency must be demonstrated for any student whose native language is not English. This may be satisfied with a preferred score of 90 (computer-based) on the TOEFL examination or by completing the highest-level coursework offered by the Intensive English Language Center with a passing grade. The College prefers the examinations or coursework to have been taken within the past three years. Bethany College will also accept the equivalent form of testing (IELTS) with a preferred score of 7.0. Bethany does provide merit-based scholarships for international students, but does not provide need-based financial aid. Upon acceptance to Bethany, students will receive written notification, and once all financial support documentation has been received, the Form I-20 is sent to secure a student visa from the nearest U.S. Embassy or Consulate. In order to be enrolled, each student's account must be paid in full on or before the specified due dates applicable to each semester.

Prospective international students are urged to begin the application process as early as possible and to have submitted all appropriate credentials and documents at least four months prior to the beginning of the semester in which they wish to enroll.

Application Fee

Bethany does not require an application fee.

Registration Deposit

A student accepted for admission is required to pay a \$150 registration deposit. This deposit holds the student's spot in the incoming class. The registration deposit is very important for selection of housing, orientation date, and classes.

This deposit is refundable upon written request for the refund prior to May 1 of the academic year of initial intended matriculation.

Application for Readmission

Students who were previously enrolled at Bethany College but left for any reason can apply for readmission.

All students must apply for readmission through the Center for Enrollment. The Center for Enrollment will provide all students with the necessary materials to apply for readmission. Students must be cleared by the following administrative offices to return: Student Life, Financial Aid, Student Accounts, and the Registrar.

Undergraduate Expenses, Aid

Bethany College is a non-profit institution. Tuition, fees, and other general charges paid by the student cover approximately two-thirds of the College's instructional and operational expenses. The remainder comes from income from endowment funds, gifts and contributions, and miscellaneous revenues. Bethany continues to keep costs as low as possible.

Charges and fees stated on the following pages apply only to 2017-2018 academic year.

Schedule of Charges 2017-2018

Description of Charge or Fee	Full-Time Students (12-18 credit hours)		Part-Time Students (1-11 credit hours)
	Per Year	Per Semester	Per Semester or Term*
Fees included in Tuition line on bill:			
Tuition	\$27,288	\$13,644	\$1,137/credit
Technology	\$ 510	\$ 255	\$ 21.25/credit
Student Activity	\$ 456	\$ 228	\$ 19.00/credit
Administrative Fee	\$ 200	\$ 100	\$ 100 ⁵
Course Fees (see Catalogue for listing)	Course-dependent	Course-dependent	Course-dependent
Credit hours in excess of 18		\$1,137/credit	
Freshman Experience Charge*	\$1,200		\$1,200
Residential Life ¹ :			
Campus Housing	\$ 4,950 - 5,350	\$ 2,475 - 2,675	\$ 2,475 - 2,675
January/May Term Housing			\$50/week
Meal Plans ² :			
Board (Anytime Dining + \$100 flex per semester)	\$ 5,320	\$ 2,660	\$ 2,660
January/May Term Board ³			\$165/week
January/May Term Tuition *			\$400/credit*
Summer Courses			\$400/credit
Online courses offered through consortium (May/Summer Terms)			\$825/course (subject to change by consortium)
Deposits:			
Registration (refundable upon graduation)	\$150		\$150
BethBridge Program (enrollment by invitation)	\$1,600		
Program for Academic & Social Success-PASS (Student must qualify for admittance)	\$1,000 – 5,000	\$500 – 2,500	\$1,000 – 5,000
Most Common Miscellaneous Fees & Fines (Not all-inclusive, please see online Catalogue and Policy Manual for complete fee listings.)			
Orientation Fee (charged first year only)	\$ 125		
Vehicle Registration Fee	\$ 150 annually	(non-refundable after the start of the academic year)	

Laundry Fee	\$ 60 per semester
Continuous Enrollment Fee ⁴	\$ 125 per semester
Transcripts (official and student issued)	\$ 10 per transcript
Early Arrival (non-required)	\$ 50 per day
Early Withdrawal (for required early arrivals)	\$ 50 per day prior to first day of classes
Returned Check Fee	\$ 30 per occurrence
Parking and Library Fines	Varies by infraction (see Policy Manual, Vol.VII, Student Life Policies)
Payment Plan Application Fee	\$ *To be determined*
Placement Fees (student teaching/social work)	\$ 100 per placement (in addition to regular tuition)
Single Room Fee (double room as a single)	\$ 500 per semester
Late Registration Fee (non-semester terms)	\$ 50 see academic calendar in Catalogue for deadlines
Late Registration Fee (semester terms)	\$ 150 see academic calendar in Catalogue for deadlines

***Freshman Experience Charge** is a one-time fee charged to all first time freshman. \$1,200 will be charged Fall semester and is non-refundable once classes start.

Billing/Payment Dates

Term	Billing Date	Due Date	Notes
Fall Semester 2017	July 10, 2017	August 1, 2017	\$250 Late Payment Fee. <i>Registration is not complete until payment or payment arrangements have been made.</i>
Spring Semester 2018	December 4, 2017	January 8, 2018	

¹ Reference the Bethany College Policy Manual, Vol. VII Student Life Policy for residential policy.

Price for rooms as follows:

- Campbell Village/Cochran Hall: \$2,675 per semester
- Goodnight/Woolery/Harlan/Philips: \$2,475 per semester
- Fraternity/Sorority Houses (college owned): \$2,475 per semester
- Fraternity/Sorority Houses (non-college owned): Other rates apply

² Special meal plans to accommodate documented medical conditions are subject to an additional charge to cover costs.

³ Students living on campus while preparing for or taking senior comprehensive exams and/or projects will be charged for part-time tuition, as well as fees, housing, and board as applicable.

⁴ Continuous enrollment is defined as enrollment from the semester of admission until the completion of all graduation requirements. Students are required to be continuously enrolled in order to graduate from Bethany College. As such, students will be charged a Continuous Enrollment fee of \$125 per semester for each semester in which they are not registered for classes at Bethany College (or through one of its approved study abroad or off-campus programs) until they graduate. This fee will be charged for students who are finishing incomplete courses, those who must sit for comprehensive examinations but have completed their coursework, and for those who are completing senior projects, even if they are not physically present at Bethany College. Likewise, students who are taking classes elsewhere to transfer credit to Bethany College (within the Academic Residence Requirement) to complete their graduation requirements will be charged this fee.

⁵ Administrative fee will be \$100 per semester for undergraduate students registered part-time during the fall and spring semesters. Administrative Fee will be \$25 for undergraduate students registered part-time for classes offered in the summer term.

Degree Completion

As prescribed by the Charter and Bylaws of the institution, granting a degree from Bethany College is a three step process involving the Registrar, the Faculty, and the Board of Trustees. The Registrar conducts a graduation audit on the date final grades are due at three points in the academic calendar: 1) at the end of Fall Term; 2) at the end of the January Term; and 3) at the end of Spring Term. Only the names of those students who have completed all the requirements for the degree by one of the dates noted above will be submitted to the Faculty at its next regularly scheduled meeting, at which time the Faculty nominates the members of the list for a degree. The President then presents the list to the Board of Trustees which then confers the degree. Commencement exercises are held once each year, in May, at which time all degree recipients for that academic year receive diplomas. Students must resolve financial obligations to the College prior to their nomination for the degree, and transcripts will be withheld until the financial obligation is satisfied.

Comprehensive Examination

Students who wish to take Comprehensive Examinations must resolve their financial obligations to the institution at least one week prior to the first day of the written section of the Examination. Examination dates are listed in the College calendar which appears on Page 2 of the *Catalogue*.

Bethany Educational Employment Program and Work Study

Students may be awarded work study funds as part of their Financial Aid package. Students awarded such aid will receive it based on hours worked. Students may have their earning set up for Direct Deposit into their personal banking account or

receive a paper check. Work study funds will not be applied directly to the student's tuition account. If a student wishes to use their earnings to pay toward their tuition account, they may sign up their paper pay check over to the Payment Window or make a payment via personal check or debit card.

All Bethany College students are professionals in training and will follow professional expectations while employed through the Bethany Educational Employment and Work Study programs. Meaningful work opportunities have been created and funded in an effort to provide learning opportunities, career expertise and resume building experiences for students.

Working while attending Bethany College is not considered a right but a privilege to be achieved with ambition to find a job, the desire to learn and ability to follow the expectations and requirements established by the job supervisor. Students will be held to the same standards, expectations and requirements most businesses and companies will require in their future careers.

Refund Policies

Withdrawal or cancellation *must* be in writing to the Office of Student Life. A withdrawal form with all necessary signatures must be obtained. Oral requests for refunds will not be acted upon.

- **Tuition, Room and Board** will be refunded: 100% if officially withdrawn or cancelled prior to the first day of classes; 90% in the first week of the term; and no refund thereafter. For terms less than the standard 15 weeks but at least six weeks, these refund periods will be adjusted proportionally. For terms less than six weeks, no refunds are applicable after the first day of class.
- **Discipline** – In case of dismissal for breach of college disciplinary rules, no refund will be given.
- **Deposits** – Refundable deposits will first be applied against any outstanding balance. If the outstanding balance exceeds the refundable deposits, the student will not be entitled to the refund of such deposits.
- **Appeals** – Appeals to the refund policy due to unusual circumstances should be in writing to the Chief Financial Officer, and must include documentation and proof of the unusual circumstances.
- **Title IV Financial Aid Recipients** – Consult with Financial Aid to determine the financial impact of planned withdrawals and/or changes in course of study. Students withdrawing before completion of 60% of the term will result in return of funds in the following order until the total amount of the college's responsibility has been satisfied: Unsubsidized Federal Direct Stafford Loans; Subsidized Federal Direct Stafford Loans; Perkins Loans; Federal PLUS Loans; Federal Direct PLUS Loans; Federal Pell Grants; FSEOG; and other Title IV assistance.

Fees Specific to Off-Campus Study

Because of the additional administrative and external costs of study abroad programs, institutionally funded financial aid is not applicable to the international study programs listed below. The Tuition Exchange, The Council of Independent Colleges Tuition Exchange and Employee Tuition Benefit are not applicable to the international studies programs listed below. The listed charges are based upon the tuition charged by the host institution at the time of the publishing of this schedule. Such charges may be changed by said institutions at any time and without notice to Bethany College and the student. When changed by the host institution Bethany College reserves the right to revise this schedule to reflect such change. In addition to the charges below, the College requires each student to purchase international health insurance from an insurer approved by the College, the charge for which varies by location and length of stay.

- **Heidelberg** — \$12,790 for one semester (includes tuition, fees, stipend to sponsor in Germany). Airfare and other travel is the responsibility of the student.
- **Paris Sorbonne** — \$12,790 for one semester (includes tuition and fees, stipend to sponsor in France). Airfare and other travel is the responsibility of the student.
- **Seigakuin** — \$12,790 for one semester (includes tuition and fees), and an additional \$4,546 for room and board. Airfare and other travel is the responsibility of the student.
- **Regents College** — \$15,585 for one semester (includes tuition and fees) and approximately an additional \$5,320 for room and board. Airfare and other travel is the responsibility of the student.
- **Oxford University** — \$14,940 for one semester (includes tuition and fees, five educational tours, medical plan, and room). Airfare, other travel and board are the responsibility of the student.
- **Harlaxton** — \$23,403 for one semester (includes tuition, room, board, and fees). Airfare and other travel are the responsibility of the student.
- **Spain** — \$12,790 for one semester (includes tuition and fees, stipend for sponsor in Spain). Airfare and other travel is the responsibility of the student.
- **Washington Center** — \$12,790 for one semester (includes tuition and fees). Travel and room and board is the responsibility of the student.
- **Student Teaching** — \$14,419 - (includes tuition and fees). An additional \$500 fee for pre-school week board and a \$100 fee for placement is also included.
- **Social Work Placement** — \$14,419 - (includes tuition and fees). An additional \$500 fee for pre-school week board and a \$100 fee for placement is also included.

The above prices are subject to change.

Unpaid Accounts

Any fees, fines, or miscellaneous payments not received by due dates may result in the student being administratively withdrawn from the College. Future registrations will not be allowed, nor will grades, diplomas, certificates, or transcripts be provided until such balance is paid. Re-instatement to the College will require payment of all amounts due, in addition to compliance with the usual re-admission procedures. The student is responsible for all collection agency fees, attorney fees, court costs, and any other costs necessary for the collection of past due accounts. Students whose accounts are assigned to collection may have their credit adversely affected, and may have difficulty in obtaining credit in the future.

Payment Plans

Bethany College's monthly payment plan option is currently under review. Additional information is forthcoming.

Course Fees

BIOL 107	.....\$25	COMM 250	.....\$125	MUSI 312	.....\$300
BIOL 115	.....\$50	COMM 292	.....\$50	MUSI 411	.....\$300
BIOL 168	.....\$25	COMM 315	.....\$50	MUSI 412	.....\$300
BIOL 169	.....\$25	COMM 393	.....\$50	PHED 110	.....\$35
BIOL 268	.....\$25	COMM 395	.....\$50	PHED 210	.....\$35
BIOL 269	.....\$25	COMM 409	.....\$75	PHED 340	.....\$50
BIOL 290	.....\$25	COMM 201	.....\$40	PHYS 151	.....\$25
BIOL 320	.....\$50	ENGL 160	.....\$25	PSYC 188	.....\$25
BIOL 341	.....\$50	EQUI 103	.....\$400	THEA 103	.....\$25
BIOL 343	.....\$25	EQUI 200	.....\$200	THEA 153	.....\$50
BIOL 351	.....\$50	EQUI 201	.....\$200	VISA 201	.....\$25
BIOL 352	.....\$50	EQUI 202	.....\$200	VISA 202	.....\$25
CHEM 100	.....\$20	EQUI 203	.....\$400	VISA 203	.....\$75
CHEM 108	.....\$20	EQUI 204	.....\$400	VISA 211	.....\$40
CHEM 101	.....\$30	EQUI 205	.....\$400	VISA 213	.....\$50
CHEM 102	.....\$30	EQUI 301	.....\$100	VISA 221	.....\$75
CHEM 211	.....\$30	EQUI 302	.....\$200	VISA 222	.....\$75
CHEM 212	.....\$30	EQUI 303	.....\$400	VISA 223	.....\$75
CHEM 315	.....\$50	EQUI 304	.....\$100	VISA 231	.....\$75
CHEM 320	.....\$50	EQUI 305	.....\$100	VISA 301	.....\$40
CHEM 324	.....\$50	EQUI 306	.....\$400	VISA 311	.....\$50
CHEM 326	.....\$50	EQUI 401	.....\$200	VISA 313	.....\$50
CHEM 335	.....\$50	EQUI 403	.....\$400	VISA 321	.....\$75
CHEM 345	.....\$50	EQUI 477	.....\$300 + 1/2 of ARIA exam	VISA 331	.....\$75
CHEM 351	.....\$50	FINA 125	.....\$25	VISA 341	.....\$40
CHEM 352	.....\$50	INTD 210	.....\$25	VISA 401	.....\$10
CHEM 355	.....\$50	MUSI 111	.....\$300	VISA 411	.....\$10
CHEM 404	.....\$50	MUSI 112	.....\$300	VISA 413	.....\$10
COMM 160	.....\$25	MUSI 211	.....\$300	VISA 421	.....\$75
COMM 201	.....\$40	MUSI 212	.....\$300	VISA 431	.....\$75
COMM 218	.....\$125	MUSI 311	.....\$300	VISA 478	.....\$35

Financial Aid

Recognizing the increasing cost of achieving a college education, Bethany College offers a wide variety of scholarships, grants, loans and work possibilities. Institutional scholarships are available only to full-time students. Entering students who wish to be considered for all types of financial aid, including federal and state programs and most institutional grants and scholarships should complete the following requirements no later than March 15 prior to their first Fall semester:

1. Apply and be accepted for admission to Bethany College.
2. Complete the Free Application for Federal Student Aid (FAFSA) at www.fafsa.gov. The FAFSA is used by the Federal Student Aid Programs to determine a student's financial "need". The Bethany College Financial Aid Office uses this information to evaluate a student's eligibility for other aid programs.

A student who qualifies for assistance will receive an award that may consist of scholarships, grants, loans, and work study. The student may accept or decline any of the aid that is offered. Questions should be directed to the Center for Enrollment. An extensive list of federal, state and institutional financial aid assistance may be viewed at www.bethanywv.edu/prospective-students/aid/.

Satisfactory Academic Progress for Financial Aid

The Federal Regulations (The Educational Amendments of 1976, P.L. 94-482, October 12, 1976; Section 132) require that institutions monitor the academic progress of each student for federal financial aid assistance and the institution certify that the student is making satisfactory academic progress toward earning his/her degree. The determination of progress must be made at least once a year before the Financial Aid Office releases any federal aid funds for the subsequent semester. Bethany College will monitor credit hour completion requirements and grade point average at the end of each semester.

There are three elements of Satisfactory Academic Progress measurement: Attempted Credits, Cumulative Grade Point Average, and Pace of Progression. Students must meet all three requirements to receive financial aid.

Classification and Requirements for Students

	First-Year Student	Sophomore	Junior	Senior
Attempted Credits	0-24	25-59	60-89	90+
Cumulative GPA	1.7	1.8	2.0	2.0
% of attempted credits vs. completed credits	67%	67%	67%	67%

Maximum Timeframe for Aid Eligibility

Federal Financial Aid funding is available for the cumulative attempted credits up to 150% of the credits required to complete the degree program. Generally it takes 128 credits to earn a degree from Bethany College. Students can earn aid through 192 attempted credits. Aid will be awarded during semesters when you will earn the 192nd credit. Federal Financial aid will not be awarded after that time.

Financial Aid Probation

Students who fail to meet the credit, grade point average, or pace of progression Satisfactory Academic Progress requirements will be placed on Financial Aid Probation. Students placed on Financial Aid Probation may receive federal and institutional financial aid for one additional semester. Students will be notified by mail to the home address specified in college database as well as the student's Bethany email address. As per college policy should a student need to change their address please see the Office of Student Life.

Financial Aid Denial

Students whose federal financial aid has been denied are not eligible for future federal financial aid. Federal Financial Aid Suspension will occur when:

- In the next semester of attendance a student on Financial Aid Probation does not complete:
 - * The credits required for their enrollment level OR
 - * Complete 67% of their attempted credits (pace of progression) OR
 - * Does not earn the required GPA as determined in the above chart

Financial Aid Satisfactory Academic Progress Appeal

A student has the right to submit a written appeal to any decision of ineligibility to continue to receive financial aid. The appeal must be submitted in writing to the Director of Financial Aid within the deadline specified in the notification letter. Appeal letters must be written by the student and submitted via US postal mail or fax. All appeal letters must have the student's signature. The Financial Aid Director will then review all appeals submitted. The appeal cannot be based on the need for financial assistance or lack of knowledge that your financial aid was at risk. The appeal needs to be based on some extenuating circumstance or condition which prevented you from completing your attempted credit hours and/or lack of GPA, or which necessitated that you withdraw from class(es). Students must include in their appeal letter: 1.) Why the student failed to maintain satisfactory academic progress and 2.) What has changed that will allow the student to make satisfactory academic progress during the next semester. Examples of possible situations include death of a family member, serious injury or illness, loss of job, etc.

Students will need to provide documentation along with their appeal letter by the specified date in the notification letter. Examples of possible documentation include death certificate, copy of obituary, hospital bills, notification of job loss or overtime work on company letterhead, etc. If no proof of documentation is provided, the Director of Financial Aid will not evaluate the appeal letter. Therefore the student will forfeit any financial aid eligibility.

If you do not have grounds for an appeal or if your appeal is denied, you may still be able to regain your eligibility for future semesters. You will need to enroll at Bethany College at your own expense (no federal financial aid assistance) and implement an academic plan with the Financial Aid Office and your Academic Advisor, in advance for the conditions under which eligibility can be regained.

All appeal documentation needs to be sent to:

Bethany College

c/o The Director of Financial Aid #4

OR

Faxed to 304-829-7142

31 E. Campus Drive

Attention: Director of Financial Aid

Bethany, WV 26032

Academic Plan Procedure

In conjunction with the Academic Advisor, students will be required to develop a written Academic Plan as a part of any appeal process; The Academic Plan will include any of the following:

- Five (5) documented meetings throughout the semester with the student's academic advisor.
- Specific steps that the student will take throughout the semester to address the academic difficulties that they encountered in previous semesters.
- Students may be referred to other on-campus departments to address any other problems that may have impacted the student's eligibility to succeed academically.
- Students may also be required to retake courses, review current academic major, and/or conduct inventory on learning styles.

The student's federal financial aid eligibility will be reinstated for the upcoming semester upon the approval of the student's appeal letter and a proposed academic plan. The Director of Financial Aid reserves the right to add additional requirements to the Academic Plan. The following are some resources available to students: Academic Advisor, McCann Learning Center, Bethany College Counselor- College Health Services, and Campus Ministry.

Academic Programs

Undergraduate Programs

Based in the liberal arts tradition, Bethany's academic program is designed to meet the educational needs of individual students by promoting breadth, depth, and the integration of knowledge. Bethany assists students in developing intellectual concepts, sophisticated learning skills, moral values, and good citizenship. Preparation for leadership is a central theme of the College.

The Bethany curriculum is unique in caring for individual students and in helping them develop their full potential at each level of learning. From First-Year Seminars to Senior Comprehensive Examinations, Bethany prepares its students for ever greater tasks and achievements, guiding them toward the fulfillment of personal goals, the challenges of graduate study, and the preparation for productive and rewarding careers.

Bethany brings its students a rich variety of opportunities for learning. Seminars, lectures, laboratory and independent research projects, encounters with high technology through the use of state-of-the-art computers, television and graphics equipment, artistic performances, and athletic activities present opportunities for self-expression and growth. Learning at Bethany often takes place outside traditional classroom settings, through independent study, informal interaction with faculty, off-campus internships, and study abroad.

A Bethany education is, then, more than a list of courses. Bethany students approach their study through a framework of common educational goals which define the liberally educated person. Faculty members work closely with all students to ensure a proper grounding in the humanities, natural sciences, and social sciences. Bethany students have many opportunities for choice; but here, too, faculty work closely with them to ensure that each student's personal plan of study is both comprehensive and coherent. It is this combination of thoroughness and personal expression that makes Bethany unique.

Academic Advising

The student-advisor relationship is an important aspect of the Bethany education. Although students are responsible for understanding Bethany's curriculum, knowing the requirements for graduation from Bethany, and recognizing their progress toward fulfilling all requirements, students and advisors work together to determine and schedule classroom and experience-based academic activities appropriate for individual students.

First-Year Seminar instructors serve as advisors for entering students and for other students who have not yet officially selected a major. All students are encouraged to discuss their academic plans with a faculty member from their intended major department as soon as they have decided what that department is to be. Students must declare a major before the end of the second semester of the sophomore year; at that time, they are assigned formally to an advisor from the chosen department.

There are also special advisors to assist students with specific academic activities, such as fulfilling particular requirements, preparing for specific careers, and planning for applying to graduate and professional school programs. A list of special advisors appears in the directory section of this *Catalogue*.

Requirements for a Bethany Degree

Bethany College confers a Bachelor of Arts or a Bachelor of Science degree to a student who has satisfactorily completed the following requirements:

- 128 credits with a minimum grade-point average of 2.00, including completion of the following:
 - the First-Year Experience
 - First-Year Orientation (BFYE 100)
 - First-Year Seminar (BFYE 101)
 - First-Year Professional Learning Community (BFYE 102)
 - The Bethany Writing Requirement
 - The Bethany Fitness/Physical Activity Requirement
 - The Global Awareness Core
 - Liberal Arts Core
 - a Major Field of Study
 - a Senior Project in the major field
- the senior comprehensive examination in the major field of study
- the residence requirement

Bachelor of Arts degrees are awarded in Accounting, Communications and Media Arts, Computer Science, Cybersecurity - Information Assurance, Economics, Education, English, Finance, History, Interdisciplinary Studies, International Business, Management, Marketing, Music, Physical Education and Sports Studies, Political Science, Psychology, Religious Studies, Social Work, Spanish, Theatre, and Visual Art. Specific requirements for each major are described in the sections of this *Catalogue* devoted to the offerings of the individual academic departments.

Bachelor of Science degrees are awarded in Biology, Chemistry, Computer Science, Cybersecurity, Interdisciplinary Studies, Mathematics, Physical Science, and Psychology. Specific requirements for each major are described in the sections of this *Catalogue* devoted to the offerings of the individual academic departments.

The Bethany Plan

All students pursuing a bachelor's degree must complete The Bethany Plan – a detailed academic and co-curricular program, focused on building skills employers seek, and grounded in the liberal arts. Bethany has achieved national distinction as one of the few institutions requiring a Senior Capstone Project and written and oral Senior Comprehensive Exams.

First-Year Experience

The First Year Experience is designed to meet the following goals:

- Provide a small seminar of students with a faculty mentor/advisor who will help them to improve writing and thinking skills and familiarize them with the academic life of the College, while they study a specialized subject area
- Provide a bridge between the high school experience and the Bethany experience designed to enable students to engage actively and successfully as they grow and learn inside the classroom and out
- Provide students with an intense, single-class, topic driven learning experience designed to enhance college level reading, writing and research skills

Students will:

- employ and enhance college-level academic skills through a topic-driven learning experience
- explore identity development, including personal and professional identification
- increase awareness and knowledge of available Bethany resources, including the institution resources, culture, and community
- embrace and understand the responsibilities of a professional learning community.
- demonstrate and maintain personal health and wellness
- demonstrate understanding of the power of a liberal arts education

All students who meet one of the following conditions are required to complete successfully the First-Year Experience, including a one credit summer orientation experience and either BFYE 101-102 or HSEM 111-112.

- The student has graduated from high school but never attended college, even if she or he has completed college credits while in high school.
- The student has enrolled in another college and is transferring fewer than 13 credits to Bethany.

Note on Completions: Students who do not successfully complete their first year seminar in the fall term will be required to make up this course during the spring term of their first year. Students who do not successfully complete BFYE 102 will be required to register for, and successfully complete, the course in the May term of their first year, at additional expense. If these courses are not successfully completed, students will not be eligible for graduation.

Capstone Project

Each student must successfully complete a project consistent with the guidelines and requirements of the department of the student's major. Guidelines are available from the chair of each department. A student may propose a capstone project earning two, three, or four credits as determined through consultation with the faculty of the major department. Projects are proposed, scheduled, and evaluated in accordance with guidelines established by each major department. The project is supervised and evaluated by the student's capstone project advisor and by at least one additional faculty member. The project grade is submitted by the department chair. The completed project is filed in the library archives.

Senior Comprehensive Examination

Culminating the Bethany education is the Senior Comprehensive Examination. Comprehensive examinations assure the College of qualitative accomplishment and lead the student to a sense of self-confidence and achievement.

A student who has attained senior standing, has completed all the requirements for a major, and has a grade-point average of at least 2.0 in the major is eligible to take the Senior Comprehensive Examination. To take the Examination, the student must register for the appropriate zero credit 495 placeholder course. Alternatively, the student may apply in the Office of the Registrar at least two months prior to the first day of the written section of the Examination. The application form can be obtained from the Office of the Registrar or online and requires the signature of the department chair, and a copy of the student's most recent Degree Audit must be attached. The Examination, which is offered in January and in May, includes both written and oral sections. In some majors, portions of external examinations may be part of or prerequisite to the Senior Comprehensive Examination. A full description of the policy governing the administration of the Senior Comprehensive Examination may be found in *Bethany College Policy Manual, Vol. VI, Academic Policies*.

Students who wish to take the Comprehensive Examination must resolve their financial obligations to the institution at least one week prior to the first day of the written section of the examination. Examination dates are listed in the College calendar which appears on Page 2 of this *Catalogue*.

Students who have completed all requirements in their majors except the senior project may take the examination in January with the consent of their advisors. Students who do not pass the examination in January may take it again at the end of the Spring semester or at any time that it is regularly given within the following twelve months. If the student fails a second time, the student may petition the faculty for a re-examination during the following year. No student may take the examination more than three times.

Students who do unusually well in the Senior Comprehensive Examination earn a pass with distinction.

Writing Requirement

Writing is integral to the liberal arts curriculum at Bethany College. Therefore, the Bethany Writing Requirement is a multiple-activity program spread across the student's entire college career. To fulfill the requirement, students must complete a minimum of four courses designated as writing intensive (WI), including English 111 or the sequence HSEM 111-112. At least two of the four courses must be at the 300- or 400-level. WI courses are proposed by faculty and approved by the Director of the Writing Across the Curriculum (WAC) Program. A list of courses so designated may be obtained from the Office of the Registrar or the Director of WAC.

Fitness/Physical Activity Requirement

Each student is required to complete successfully a two-part fitness and physical activity requirement. The Fitness Component of the requirement is met by successful completion PHED 102 Introduction to Lifelong and Sports Fitness. The Activity Component may be met by registration for and successful completion of one course selected from among the Varsity Sport Sequence (PHED 150-164), the Performance Activity courses (110, 120-123, 132, 134), the Intense Conditioning Sequence (PHED 137, 138, Yoga (PHED 140), or the Equestrian Performance Courses (EQUI 103, 203-204, 303, 306, 403), or Dance (FINA 133-138). Students with documented disabilities are offered accommodations and modifications on a case by case basis in compliance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973.

Global Awareness Core

Building on Alexander Campbell's belief that religious literacy and instruction in the modern languages were important parts of a liberal education that helped students become responsible, useful members of society, Bethany College is committed to providing an education that also prepares students to be citizens of the world and to participate in an increasingly globalized community. As such each student must complete the Global Awareness Core. The Global Awareness Core is comprised of the following components:

Religious Studies Requirement

Religious literacy is essential to the liberally-educated citizen of the world. Bethany students are required to complete successfully RELS 100 (Introduction to Religion: Texts, Contexts, Practices). The course is offered by faculty members of the Department of Humanities and is preferably taken during the first year. RELS 100 takes an academic approach to the study of religion. Students are introduced to critical methods and definitions in religious studies and then proceed to apply one or more of those methods to a comparative study of three different world religions. The lens through which the religions are compared varies with the interest and expertise of the professor teaching the course. Students might consider, for example, religious definitions of the human condition in relation to philosophical, political, or moral definitions; the meaning and function of religious rituals; or the way religions develop, reinforce, or challenge gender roles in society.

World Languages and Cultures Requirement

All students must demonstrate world languages and cultures proficiency at the elementary level. Students may demonstrate proficiency in any one of the following ways:

- completing successfully at Bethany the first two courses of a basic language sequence (Arabic, Chinese, French, German, Hebrew, Italian, Japanese, or Spanish)
- performing at an acceptable level on a Bethany College written placement test in one of the above languages
- attaining the "Novice High" level of the ACTFL Oral Proficiency Interview
- earning a 3, 4 or 5 score on the College Entrance Examination Board Advanced Placement Test in the language
- completing successfully at a high school or college the first two courses in a language other than Arabic, Chinese, French, German, Hebrew, Italian, Japanese, or Spanish
- placing, as the result of one of the tests listed above, in the second course of one of the basic language sequences at Bethany and enrolling in and successfully completing that course
- showing evidence of being a native speaker of a language other than English

Students with documented disabilities are offered accommodations and modifications on a case by case basis in compliance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973.

Cultural Awareness Requirement (GAC)

To become aware of the nature and significance of one existing culture, ethnic subculture, or cluster of ethnic subcultures differing from that of mainstream United States.

Each student is required to complete successfully a three or four credit course from the list below. The list of courses approved for satisfying the requirement in each area changes every year.

Business 200 Digital Media and Digital Culture, 345 Intercultural Communications; **Communications** 345 Intercultural Communication; **English** 267 Masterpieces of World Literature, 383 African American Novel; **Fine Arts** 104 Out of the Blues and Into Rock; **French** 130 French III, 220 Conversation and Composition: France, 321 Contemporary France; **German** 130 German III, 220 Conversation and Composition: Germany, 320 Civilization of Germany; **History** 329 Islamic Civilization, 330 Modern China, 331 Modern Japan; **Japanese** 130 Japanese III, 222 Japanese Culture, 321 Modern Japan; **Music** 104 Out of the Blues and Into Rock; **Psychology** 250 Multi Cultural Psychology; **Religious Studies** 210 Yoga and Meditation, 220 Introduction to World Religions, 228 Buddhism, 352 Islamic Civilization; **Social Work** 210 Human Diversity; **Sociology** 210 Human Diversity; **Spanish** 130 Spanish III, 220 Conversation and Composition: Spain, 320 Civilization of Spain; **Theatre** 270 Women Playwrights.

International Understanding (GAI)

To become familiar with the contemporary world by exploring the interrelationships of several countries or by comparing two or more countries outside of the United States.

Each student is required to complete successfully a three or four credit course from the list below. The list of courses approved for satisfying the requirement in each area changes every year.

Business 308 International Business, 371 International Finance; **Communications** 403 Global and International Communication; **English** 268 Modern World Literature; **Economics** 113 Comparative Economic Systems; **French** 221 Conversation and Composition: Francophone World; **General Science** 202 Physical and Cultural Geography; **German** 221 Conversation and Composition: The German-Speaking World, 321 Civilization of the German-Speaking World; **Interdisciplinary Studies** 202 World Energy Resources, 203 International Terrorism; **Political Science** 243 International Politics, 253 Nature and International Society, 351 Comparative Politics: Western, 352 Comparative Politics: Non-Western; **Religious Studies** 239 Hinduism; **Spanish** 221 Conversation and Composition: Latin America, 321 Civilization of Latin America.

Liberal Arts Core

The Liberal Arts Core is designed to ensure that all Bethany students are acquainted at the college level with areas of knowledge and methods of thinking traditionally associated with a liberal arts education. Each student is required to complete successfully a three or four credit course in each of the areas listed below, with no more than two courses from the administrative department of the student's major. The list of courses approved for satisfying the requirement in each area changes every year.

1. Contemporary Society and Institutions: *To explore the nature and functioning of formal and/or informal institutions in contemporary society.*

Business 203 Principles of Advertising and Public Relations; **Communications** 101 Introduction to Communications, 104 Visual Communications, 203 Principles of Advertising and Public Relations; **Economics** 162 Principles of Macroeconomics, 163 Principles of Microeconomics; **English** 212 Writing for College and Community; **Political Science** 225 American Politics; **Psychology** 241 Religious and Psychological Lenses on Social Justice; **Religious Studies** 224 Religion and Culture, 241 Religious and Psychological Lenses on Social Justice; **Social Work** 150 Social Problems; **Sociology** 150 Social Problems.

2. Aesthetic Awareness and Creativity: *To develop an understanding of the principles which influence the creative process in human endeavor, focusing on application and creation.*

Communications 110 Digital Audio Production for Music, 160 Introduction to Film, 205 Principles of Graphic Design, 210 Editing, Mixing, and Master Digital Audio for Music, 218 Digital Production for Performance, 221 Acting for the Camera, 409 Publication Photography; **English** 160 Introduction to Film, 230 Writing from Nature, 240 Creative Writing; **Physical Education** 124 Dance for Fitness; **Visual and Performing Arts**, all courses offered by the department with the exception of MUSI 171, 172, 271, 272, and those MUSI, THEA, and VISA courses listed in the Cultural Awareness requirement and the Liberal Arts Core, The Western Tradition. (NOTE: Students may elect to complete three one-credit courses in this area rather than one three-credit course to fulfill this category.)

3. Human Behavior: *To explore human development and behavior.*

Business 287 Organization and Human Behavior, 311 Principles of Management, 482 Business Ethics; **Communications** 206 Public Speaking and Announcing, 303 Organizational Communication, 346 Gender Communication; **Economics** 287 Organizations and Human Behavior; **Education** 203 Human Development; **Interdisciplinary Studies** 204 Human Sexuality, 210 The Art and Science of Peace; **Philosophy** 100 Introduction to Philosophy, 124 Introduction to Ethics, 252 Philosophy of Mysticism, 254 Contemporary Ethical Issues, 355 Philosophy of Religion; **Psychology** 188 Psychology of Death and Dying, 210 Psychology of Women, 230 Developmental Psychology, 287 Organizations and Human Behavior, 324 Personality Psychology, 325 Abnormal Psychology, 326 Social Psychology, 328 Interpersonal Aspects of Psychotherapy and Counseling, 329 Theories of Psychotherapy and Counseling; **Religious Studies** 235 Sex, The Body, and Religion, 251 Death and the Afterlife, 321 Myth, Symbol, and Ritual; **Social Work** 145 Women's Issues Across the Lifespan; **Sociology** 145 Women's Issues Across the Lifespan.

- 4. Life Science:** *To systematically examine the nature of living things.*
Biology 100 Modern Concepts in Life Science, 102 Horticultural Science, 107 Human Biology, 110 Plants, People, and Environment, 115 Biology of Women, 326 Ecology; **Health** 201 Introduction to Health; **Physical Education** 327 Physiology of Muscular Activity; **Psychology** 100 General Psychology.
- 5. Literature:** *To explore the human dimensions of literature by reading and interpreting major literary works.*
English 150 Honors Freshman English, 156 Introduction to Literary Studies, 200 Literature and Literary Diversity, 245 British Literature I, 246 British Literature II, 250 American Literature, 264 Masterpieces of Drama, 266 Masterpieces of European Literature, 270 Shakespeare, 275 American Short Stories, 280 Short American Novels, 366 Regional American Literature, 385 Women & Literature: The American Experience; **French** 420 Survey of French Literature I, 421 Survey of French Literature II; **German** 420 Survey of German Literature I, 421 Survey of German Literature II; **Spanish** 420 Survey of Peninsular Spanish Literature I, 421 Survey of Latin American Literature I, 422 Survey of Peninsular Spanish Literature II, 423 Survey of Latin American Literature II.
- 6. Mathematical Understanding:** *To apply quantitative reasoning in solving problems.*
Computer Science 107 Introduction to Computing, 151 Computer Science I, 210 Discrete Mathematics; **Mathematics** 103 College Algebra, 105 Precalculus, 120 Foundations of College Mathematics, 170 Connections in Mathematical Understanding, 201 Calculus I, 202 Calculus II, 210 Discrete Mathematics, 281 Statistical Methods I; **Philosophy** 123 Introduction to Logic; **Psychology** 205 Statistics in Psychology I.
- 7. Physical Science:** *To examine the nature of the physical world.*
Chemistry 100 Consumer Chemistry, 101 General Chemistry I, 108 Introduction to Forensic Science; **General Science** 100 Consumer Chemistry, 103 Everyday Physics, 151 Astronomy, 220 Geology; **Physics** 100 Physics of Sports, 103 Everyday Physics, 151 Astronomy, 201 General Physics I, 202 General Physics II.
- 8. The Western Tradition:** *To become familiar with historical and cultural developments which have contributed to the formation of the western world.*
French 320 French Civilization; **History** 101 World Civilization I, 102 World Civilization II, 201 U.S. History I, 202 U.S. History II, 309 The World of Late Antiquity; **Interdisciplinary Studies** 251 Origins of Western Thought I: The Ancient World, 252 Origins of Western Thought II: The Middle Ages and Renaissance, 253 Origins of Western Thought III: The Modern Age; **Music** 103 Introduction to Music, 250 Music History: Medieval-Classical, 251 Music History: 18th-20th Centuries; **Philosophy** 333 History of Philosophy: Ancient through Modern, 334 Existential Philosophy, 336 Twentieth Century Philosophy, 353 History and Philosophy of Science, 358 Aesthetics, the Arts, and Philosophy, 361 Ancient and Medieval Thought, 362 Modern Political Thought; **Physical Education** 244 Philosophical-Historical Perspective of Physical Activities; **Political Science** 361 Ancient and Medieval Thought, 362 Modern Political Thought, 363 American Political Thought; **Religious Studies** 231 Judaism, 301 Poetry, Prophecy, and (Poly) Theism: A Critical Analysis of the Hebrew Bible, 311 Studies in the Gospels, 326 The World of Late Antiquity, 417 A History of Biblical Interpretation; **Theatre** 335 American Theatre, 374 Theatre History I, 375 Theatre History II; **Visual Art** 100 Art History: Ancient through Medieval, 101 Art History: Renaissance through Post-Modern.



Major Field of Study

Every student must select a major field of study from one of the academic departments of the College, from among the faculty-sponsored interdisciplinary programs, or by initiating and developing an individual interdisciplinary program.

A major program may require no more than 72 credits, no more than 48 of which may be in one curricular department. Credits for senior projects (2, 3, or 4 credits) do not count toward this total unless otherwise specified by a department. Each major requires a minimum of 24 credits within the department.

Faculty-sponsored and student-initiated interdisciplinary majors cross departmental lines. Information about faculty-sponsored interdisciplinary majors is available from the Office of the Registrar and in the Interdisciplinary Studies section of this *Catalogue*. Information about student-initiated interdisciplinary study is available in the Interdisciplinary Studies section of this *Catalogue* and from the Director of Interdisciplinary Studies.

Majors are offered in:

Accounting

Biology

(with options for emphasis on Biology, Biochemistry, and Biology Education Grades 9-12)

Chemistry

(with options for emphasis on Professional Chemistry, Forensic Chemistry, Biochemistry, and Chemistry Education Grades 9-12)

Communications and Media Arts

(with options for emphasis on Digital Media and Production, Graphics, Integrated Media and Marketing, and Sports Communication)

Computer Science

(with option for Bachelor of Arts or Science)

Computer Science and Accounting (Dual Major)

Cybersecurity

(with options for emphasis in Cybersecurity and Information Assurance)

Economics

(with options for emphasis on Managerial Economics and International Economics)

Economics and Mathematics (Dual Major)

Education

(Elementary Education; Middle Childhood Education through individual department programs in the areas of English, General Science, Mathematics, Physical Education, Social Studies, and Spanish; Secondary Education through individual department programs in the areas of Art, Biology, Chemistry, English, Mathematics, Physical Education, Psychology, Social Studies, and Spanish)

English

(with options for emphasis on Creative Writing, Education, Literature, and Writing and Language)

Environmental Science (Interdisciplinary)

Equine Studies

(with options for Equine Management and Pre-Veterinary Medicine)

German Studies (Interdisciplinary)

Double Major: A double major represents the completion by a student of all of the curricular requirements of any two majors. Students may elect to double major in any two disciplines of their choosing and are required to complete separate senior projects and comprehensive exams for each major program. Students completing a double major receive one diploma. The double major is noted on the transcript.

Dual Major: A dual major is one in which the faculty of each of the programs involved have determined that because of significant curricular commonalities and/or the requirements of external certifying bodies, students completing all of the course requirements for each major would benefit by being able to complete a single senior project and a specialized set of extended, combined comprehensive exams. Dual majors are initiated by the faculty in the programs affected and are approved by the faculty as a whole. Students completing a dual major receive one diploma. The dual major is noted on the transcript. Information about dual majors is available from the Office of the Registrar and in the respective departments that host a dual major.

Finance

History

Interdisciplinary Studies

(major programs initiated and developed by individual students to fulfill their particular educational goals)

International Business

International Relations (Interdisciplinary)

Management

Marketing

Mathematics

(with options for emphasis on Mathematics, Mathematics-Economics, Mathematics-Physics, Mathematics-Computer Science, Mathematics-Actuarial Science, and Mathematics Education)

Music

Music Technology (Interdisciplinary)

Physical Education and Sports Studies

(with options for emphasis on Sports Management, Recreational and Athletic Programming, and Teaching Physical Education)

Pre-Engineering/Physical Science

Political Science

Psychology

(with options for emphasis on Scientific Psychology, Human Services, Pre-Physical Therapy, and Pre-Occupational Therapy)

Psychology and Education (Interdisciplinary)

Psychology, Religion and Culture (Interdisciplinary)

Psychology and Social Work (Dual Major)

Religious Studies

Social Work

Spanish

Theatre

(with options for emphasis on Performance and Technical Theatre)

Visual Art

(with options for emphasis on Studio Art and Art Education)

Minor Field of Study

Students may include as part of their program of study one or more optional minors. Requirements for minors are described in detail in the sections of this Catalogue devoted to the offerings of the individual academic departments. Minors require between 15 and 24 credits of directed study. A student may earn a minor in an area of study as long as a minimum of 9 credits are completed in addition to those required for the student's declared major. Students may not minor in their major field of study.

Minors are offered in:

Accounting	Marketing
American Literature	Mathematics
Botany	Medieval and Renaissance Studies
British Literature	Music
Chemistry	Multi-Category Special Education K-Adult
Communications and Media Arts	Nonprofit Management
Computer Science	Nonprofit Marketing
Creative Writing	Philosophy
Criminal Justice	Physics (Experimental or Theoretical)
Cybersecurity	Political Science
Economics (International or Quantitative)	Religious Studies
Environmental Biology	Secondary Education
Equine Facilitated Therapy	Spanish
Equine Studies	Theatre
Finance	Visual Art
French	Women's Studies
German	Writing in Social and Natural Environments
History	Zoology
Management	

Academic Residence Requirement

To be eligible for a degree a student must have completed 48 credits in courses at Bethany and/or as part of an approved off campus Bethany program. With pre-approval of the major department and the Provost, students may take up to, but no more than, six of the last thirty-four credits as transfer credits.* The pre-approval process ensures that the transfer credits will be acceptable substitutions for Bethany College classes.

*Transcripts showing final grades for all transfer credits must be received by the Registrar by the final grade due dates in the Bethany College Calendar.

January and May Terms

The Bethany program includes a voluntary three-week January Term, or two to four-week May Term. The terms provide opportunities for students to supplement and extend the learning experience available during the traditional academic year. Students may enroll in a course, study single topics intensively, travel and study in various parts of the world, and undertake independent study projects.

Students may earn a maximum of four credits towards Bethany College degree requirements in any one January or May term. Since the terms are voluntary, students who participate in credit-granting programs are assessed for tuition, room and board, travel, and laboratory and other fees as appropriate to the particular program. Specific information about course offerings and costs is available from the Office of the Registrar.

Beth-Bridge Early Experience

Beth-Bridge is a support program that Bethany College offers in the summer preceding the first year to assist students in realizing what it takes to become a successful college graduate. Bethany only invites students into the program who demonstrate a sincere interest in attending college, but whose records indicate that there could be great benefits gained from an intense pre-college experience. This two-week program consists of a preparation study-skills course for academic credit, workshops for transition to College, and several on- and off-campus extracurricular activities.

Honors Program

The exciting new Bethany College Honors Program is a unique living and learning community for highly-motivated students. The Honors Program provides students both the freedom and the responsibility to fuse together the arts and sciences in order to enrich their creativity; their critical thinking, problem-solving, writing, quantitative, and presentation skills; and their collaborative ability. First Year Honors students reside in Harlan Hall, the Honors building, with a dedicated Honors Residential Assistant; when space permits, Honors housing is available to them after the First Year for as long as they remain in good

standing in the program. Students complete 4-credit Honors Seminars in both semesters of the First Year and collaborate with one another and with the Honors Director and faculty to design the 4-credit Honors Seminars they will complete in each semester of the Sophomore and Junior Years; Honors Students write an enhanced Senior Project, and engage in community service and special events integrated into the subjects of the courses they design together. Successful applicants to the Honors Program receive tuition grants that can be renewed for four years, regardless of financial need. Selection is based upon secondary school record, a required essay, references, and interviews with the Honors Program Advisory Committee. Contact Dr. Elizabeth M. Hull at ehull@bethanywv.edu for further details.

Pre-Professional Study

Bethany offers pre-professional study programs in a number of areas, including the following:

Engineering

The Bethany engineering program permits students to earn both a bachelor's degree from Bethany and a B.S. in engineering from a cooperating school upon completion of a five-year sequence. Students spend three years in the liberal arts environment at Bethany and then attend Case Western Reserve University or Columbia University for an additional two years. Students interested in engineering should plan to take Physics 201-202 and Mathematics 201-202 during their first year. Other courses should be chosen with regard to the particular subfield within engineering that interests the student. Additional information is available from the pre-engineering advisor.

Law

No particular pattern of courses is required for admission to law schools. Students should plan to take the Law School Admission Test no later than December of the senior year. The following courses will assist students to prepare for this test: POLS 225, 322, 361-363, 401; ACCT 202-203; COMM 206, 304; PHIL 100, 123; and courses in English literature, composition, and world languages. Students interested in pre-professional preparation in law should consult the pre-law advisor.

Bethany College has also established, in conjunction with Duquesne University in Pittsburgh, Pennsylvania, an innovative three-three program which permits a student to complete three years of undergraduate work at Bethany and then enter the Duquesne University Law School for completion of the J.D. degree after three more years of study (four years in the Evening Division). Students receive a bachelor's degree from Bethany upon successful completion of the first year of the law program and having completed all college-wide requirements for a Bethany degree. Additional information about this program may be obtained from the Office of the Provost and Dean of Faculty.

Medical and Health Professions

Programs for advanced degrees in medical fields such as dentistry, medicine, optometry, pharmacy, and podiatry, as well as physician assistant and other health science fields require applicants to have a broad foundation in the sciences, mathematics, and English. Students are required to show competency in both inorganic and organic chemistry, biology and general physics, usually completing a two semester sequence, and many programs are now requiring or strongly recommending biochemistry. Students will also be expected to perform satisfactorily on a qualifying exam such as the DAT, GRE, MCAT, OAT, or PCAT. Students interested in health related professions should plan to take Chemistry 101-102 and Biology 100 during their first year. Mathematics 201 is highly recommended during the first year. Chemistry 211-212 should be taken in the second year, and Physics 201-202 taken no later than the third year. Pre-professional students in the health sciences should consult early in their first year with the chair of the Health Professions Advisory Committee.

Ministry

Students planning to enter church vocations complete their preparation in seminaries and graduate schools of religion after completing their undergraduate studies at Bethany. A solid and broad base in liberal arts is recommended as preparation for seminary studies. Students should consider taking courses in Religious Studies, History, English, Literature, Philosophy, Psychology, Social Work, and World Languages and Cultures. Students interested in ministerial careers should contact the Department of Humanities.

Pre-Occupational Therapy

Preparation for graduate programs in Occupational Therapy is available through one of the majors in the Department of Psychology: Psychology with a Pre-Occupational Therapy Emphasis (requirements are listed in the Psychology section of this *Catalogue*). Students interested in pre-professional preparation in occupational therapy should consult the pre-occupational therapy advisor.

Pre-Physical Therapy

Preparation for graduate programs in Physical Therapy is available through one of the majors in the Department of Psychology: Psychology with a Pre-Physical Therapy Emphasis (requirements are listed in the Psychology section of this *Catalogue*). Students interested in pre-professional preparation in physical therapy should consult the pre-physical therapy advisor.

Pre-Veterinary Medicine

Colleges of Veterinary Medicine expect incoming students to have a broad background in the biological and physical sciences with students completing at least three courses in biology including general biology, genetics, microbiology as the most requested, two semesters of both general chemistry and organic chemistry, as well as at least one semester of biochemistry, and two semesters of general physics. A course in animal nutrition is required by nearly half of the schools. Bethany College courses that satisfy the usual requirements are: Biology 100, 180, 290, and 343; Chemistry 101-102, 211-212, and 351-352; Physics 201-202.

Other typical course requirements include at least one math class and two semesters of English composition and literature. Another major requirement is documented experience with animals and work with veterinarians. Students can gain valuable experience working with area veterinarians.

Students who can claim West Virginia residency status may obtain a position as a contract student at one of two schools: The Virginia-Maryland Regional College of Veterinary Medicine and Mississippi State University. There are at present 13 contract seats for West Virginia residents among the two eligible schools. Eligible students must complete the application for the West Virginia Contract Seat, which can be obtained at http://dms.wvu.edu/veterinary_school_information. Application deadlines vary, and students are encouraged to consult the website listed above at the beginning of their junior year. All students interested in attending veterinary school should review the admission requirements of any veterinary college they may likely attend as requirements among the colleges vary widely.

Other Professions

Bethany also provides thorough preparation for professions in the fields of business, communication media, public administration, teaching at all levels, social work, and many more. For assistance with academic and career planning, students are encouraged to contact individual academic departments, as well as the College's Office of Career Counseling and Placement.

Dual Degree Programs

Carnegie Mellon University

In cooperation with H. John Heinz III School of Public Policy and Management at Carnegie Mellon University in Pittsburgh, Pennsylvania, Bethany College offers accelerated master's programs to qualified Bethany students. Students attend Bethany College for their first-year through junior year followed by three to four semesters at the Heinz School. Students who successfully complete the program are awarded a bachelor's degree from Bethany College and a master's degree from Carnegie Mellon University in less time than would normally be required to achieve both.

The following cooperative programs are available:

- Master of Science in Public Policy and Management
- Master of Science in Health Care Policy and Management
- Master of Science in Biotechnology and Management
- Master of Arts Management
- Master of Information Systems Management
- Master of Science in Information Security Policy and Management

Students pay tuition and fees to Bethany College from their first-year through junior years. They pay tuition and fees to Carnegie Mellon for their graduate program, either three or four semesters beyond the completion of the junior year, depending upon program. Certain courses taken at Carnegie Mellon University may be applied to major requirements for Bethany College as determined by the department concerned. Bethany College students are eligible for scholarship support from Bethany for their first-year through junior years. They will be eligible for scholarship support from the Heinz College for the length of their graduate program. For additional information about these programs, please contact the office of the Provost and Dean of Faculty.

Case Western Reserve University and Columbia University

In cooperation with Case Western Reserve University and Columbia University, Bethany College permits students to earn both a bachelor's degree from Bethany and a Bachelor's degree in engineering from a cooperating school upon completion of a five-year sequence.

Students spend three years in the liberal arts environment at Bethany and then attend Case Western Reserve University or Columbia University for an additional two years. Students interested in engineering should plan to take Physics 201-202 and Mathematics 201-202 during their first year. Other courses should be chosen with regard to the particular subfield within engineering that interests the student. Students considering this program should contact the pre-engineering advisor to plan their degree program.

Duquesne University

In cooperation with Duquesne University in Pittsburgh, Pennsylvania, Bethany College has established an innovative three-three program which permits a student to complete three years of undergraduate work at Bethany and then enter the Duquesne University Law School for completion of the J.D. degree after three more years of study (four years in the Evening Division).

Students receive a bachelor's degree from Bethany upon successful completion of the first year of the law program and having completed all college-wide requirements for a Bethany degree. Additional information about this program may be obtained from the office of the Provost and Dean of Faculty.

Digital Design Program With The Art Institutes of Pittsburgh

Bethany College Business, Communication and Media Arts Department administers a program in conjunction with The Art Institute of Pittsburgh. Communication and Media Arts majors spending their junior year in the city of Pittsburgh taking classes and graduate from Bethany with an emphasis in digital design. Students complete courses in the Communications and Media Arts major for three years and at the Art Institute in digital design for one year. For more information, contact the Chair of the Department of Communications and Media Arts.

Internships

Students may spend a semester combining practical professional experience with formal off-campus study. A student wishing to do this must arrange a position in the chosen area and arrange independent study credit which integrates this work experience with formal theoretical study.

A written proposal, signed by the faculty member responsible for supervising and evaluating the internship program, must provide a description of the student's goals in undertaking the program, a description of the experience including a summary of responsibilities and the name of the supervisor, a description of the formal independent study course work, an explanation of the way in which the program will integrate the work experience and the formal independent study course work, and a description of the methods to be used in supervising and evaluating the entire project.

Students may earn eight credits upon satisfactory completion of the project with the approval of the respective chair of the department in which the credits would be earned. A student may apply for one academic credit for every 50 hours of internship work completed. An internship is normally one semester or summer. Internships during the semester are limited to 15 hours per week and three credit hours per semester for a full-time student taking 12 or more credits of additional course work. Summer internships can have increased hours. Students must have a 2.0 cumulative GPA and have junior or senior status.

Study Abroad

Qualified students may earn academic credit for formal study completed in a country other than the United States. To be eligible for study abroad, a student should normally have junior standing. Approval by the faculty International Education Committee is also required. Several programs for study abroad are part of the Bethany curriculum. A student enrolled in one of them remains registered at Bethany and may remain eligible for some forms of financial aid. Students and their advisors should consult with the Director of Financial Aid before registering for a study abroad program. Students considering study abroad should work closely with the Director of International Studies and the Director of Financial Aid to ensure a clear understanding of the costs and financial aid implications.

Heidelberg Program

Qualified Bethany students may enroll for a semester or a full year in such courses as German language, literature, history, and civilization courses at the Pädagogische Hochschule in Heidelberg, Germany. The first four weeks are spent in an intensive language course at a Goethe Institute. The Bethany representative and former Bethany exchange students from Heidelberg serve as counselors to Bethany's students while they are at Heidelberg.

Paris Sorbonne Program

By special arrangement with the Sorbonne, qualified Bethany students may enroll for a semester or a full year in its Cours de Langue et de Civilisation Française. A Bethany representative in Paris serves as counselor to Bethany's students during their stay at the Sorbonne.

Seigakuin Program

By special arrangement with the Seigakuin University of Saitamaken, Japan, qualified students may enroll for a semester or full year for studies in a variety of subjects or arrange for independent studies. Courses in Japanese language and culture are offered. A Bethany representative at Seigakuin University serves as counselor to Bethany students during their stay in Japan.

Spain Program

By special arrangement with the University of Navarra in Pamplona, qualified Bethany students may enroll for a semester or full year. A Bethany representative at the University of Navarra serves as counselor to Bethany's students during their stay in Pamplona.

United Kingdom Programs

Bethany College makes three programs for study in the United Kingdom available to its students. Enrollment is limited. Restrictions on the use of financial aid resources may apply.

Harlaxton College Program

Qualified Bethany students may enroll in either the fall or spring semester at Harlaxton College, near Grantham, Lincolnshire. Students choose from the full range of curriculum offerings at Harlaxton College, including courses that traditionally meet general education requirements, as well as a British Studies course which features an interdisciplinary approach to the analysis of English culture. Harlaxton College is owned and operated by the University of Evansville (Indiana).

Oxford Program

Qualified Bethany students may enroll in either the fall or spring semester as affiliate students at an Oxford College

through the Oxford Study Abroad Program. They take tutorials with Oxford faculty, have library, dining, and social privileges at their affiliate college, and enjoy other University privileges.

Regent's College Program

Qualified Bethany students may enroll in either the fall or spring semester at Regent's College, London. Regent's offers a broad range of courses, including many which meet regular Bethany graduation requirements, as well as special courses designed to take advantage of its London/United Kingdom setting.

Webster International Network Schools

Bethany College's partnership with Webster University allows for students to engage in full-term and short-term programs around the world. Webster University has international campuses in Austria, China, Ghana, Greece, the Netherlands, Switzerland, the United Kingdom, and Thailand, as well as international exchange partners in Brussels, Belgium; Beijing, China; Trier, Germany; Japan; Guadalajara, Mexico; and Oviedo, Spain. In addition to these semester-long destinations, a variety of short-term travel courses are also available through this partnership. Information about these opportunities, and how to apply, can be found at www.webster.edu/study-abroad/index.html.

East Central Colleges Exchange Programs

As a result of Bethany College's participation in the now defunct East Central Colleges, students may still benefit from a series of exchange agreements developed by the consortium of East Central Colleges and administered through Muskingum University, qualified Bethany students may remain registered at Bethany while living and studying for a semester or full year at one of the following institutions:

1. Universidad Blas Pascal in Argentina;
2. University of Lethbridge in Canada;
3. Université du Québec (choose from one of six campuses) in Canada;
4. University of Prince Edward Island in Canada;
5. Lanzhou University in China;
6. Université du Sud Toulon-Var in France;
7. Deggendorf University in Germany;
8. Universität Passau in Germany;
9. Kansai Gaidai University in Japan;
10. Yonsei University in South Korea;
11. Universidad de Castilla de La Mancha in Spain.

Students interested in one of these programs should consult the Director of International Studies.

Other Programs

Bethany students have participated in additional programs for study abroad. The Director of International Studies can provide interested students with information about such programs.

The Washington Center

The Washington Center for Internships and Academic Seminars enables students to earn college credit for full-time Washington-based internships and short-term academic seminars. Participants in the program must be recommended by the campus liaison and have the approval of the Provost and Dean of Faculty.

State Government Study

The Department of History and Political Science administers a program in conjunction with the West Virginia University Foundation in which an outstanding junior or senior is selected each year to spend one week studying the three branches of state government in Charleston, West Virginia. Students may earn two credits for participating in this program.

Appalachian College Association

Bethany College is a member of the Appalachian College Association (ACA), a nonprofit consortium of 35 private liberal arts colleges and universities spread across the central Appalachian mountains in Kentucky, North Carolina, Tennessee, Virginia, and West Virginia. From its headquarters, the ACA helps develop and share ideas, information, programs, and resources in such areas as faculty development, library and information technology services, student-centered research and service projects, and international travel.

Online Consortium of Independent Colleges and Universities

Bethany College is a member of the Online Consortium of Independent Colleges and Universities (OCICU). All consortium members are regionally accredited, independent, not-for-profit liberal arts institutions. OCICU is managed by New Ventures of Regis University in Denver, Colo. Through membership to the OCICU, Bethany is able to make online courses offered by other Consortium members available to students at Bethany College.

Bethany students may take online work during the summer term only and earn up to twelve credits total to be applied toward graduation. Departments determine which courses would be acceptable from a list provided by OCICU. Students register through the Bethany system and their grades are then added to their Bethany transcripts upon completion of the course. For a complete list of the courses available, contact the Office of the Registrar.

External Programs

Bethany College develops special programs for older adults through intensive, short-term residential and off-campus seminars, institutes, courses, and workshops. These programs generally serve business, industrial, educational, professional, and church organizations.

Each summer, the Bethany campus and facilities are used for camps for youth, including camps for sporting activities, church groups, and musical groups. Retreats and workshops also are conducted on the Bethany campus.

Mary Cutlip Center for Library and Information Technology Services

Library Services: The T.W. Phillips Memorial Library provides high quality resources and services which support teaching and learning at Bethany College. Library collections encompass more than 250,000 physical items including books, periodicals, DVDs, archival and special collections, and the Grace Ryland and William Henry Robinson Children's Library. The library website includes access to reference materials, full-text periodicals, newspapers, primary source documents, and films which are accessible through a broad range of electronic resources. As a member of the Appalachian College Association, resources are further enhanced through the Bowen Central Library of Appalachia which includes a core collection of online databases and access to more than 200,000 electronic books. EBSCO's Discovery service provides a one-search interface to the library's online resources as well as the online catalog of library materials.

Located in the center of campus, the library houses a variety of spaces to facilitate study and research. The library features a classroom, a Group Study Room, a Digital Collaboration Space where students can work on group presentations, and lounge areas. Additionally, students have access to computers, Chromebooks, dry erase boards, and media equipment. Expert staff assist students with research questions both in-person and through an online chat program. Throughout the academic year, the library delivers instruction classes requested by the faculty as well as extracurricular activities such as therapy dog visits and final exam snack breaks.

Information Technology Services: The Help Desk, located in Cramblet Hall, is the hub of Information Technology Services at Bethany College. This centralized office provides support for all areas of campus technology including Academic Toolbox, email, e-storage, and Moodle. High-speed network, basic cable television, and telephone services are supported for all residential halls.

Multiple open-use computer labs, including two that are available 24 hours a day, 7 days a week (Apple and Windows OS computers) and strategically placed "walk up" computer stations around campus provide access to the Internet, essential software, and access to printers. Wireless network access is available in a variety of academic, residential and student life buildings. Projectors, DVD/VCRs, televisions, visual presenters, "smart boards", video and sound system equipment, and other technology resources are available in a variety of campus locations to support academic needs.

For complete information about Library and Information Technology services available at Bethany College, including recommended computer specifications and access to the Library's resources, please visit the following websites: www.bethanywv.edu/library or www.bethanywv.edu/technology.

Student Online Identify Verification: Bethany College provides an electronic account for each registered student which includes an email account, access to Web Advisor where the students can register for courses and monitor their progress toward degree, and access to the campus course management system called Moodle. Each student is provided a unique user name and password, the protection and confidentiality of which is the student's own responsibility. Sharing or disseminating user name or password information is prohibited.

McCann Learning Center

The McCann Learning Center, located on the main floor of Cramblet Hall, is a convenient and inviting place on campus to develop or enhance skills that promote academic success at the college level. Equipped with state of the art technology, the Center houses Academic Support Services, the Writing Center, the Program for Academic and Social Success (PASS), and Disability Services. The Center provides a helpful, relaxed environment that promotes effective studying and academic success.

Academic Support Services: Academic Support Services are available to all Bethany students. Student resources include Supplemental Instruction, study groups, individual content tutors, course-specific software, study and meeting rooms, and study skills media and instruction. Individual and small group study skills workshops are also provided.

Writing Center: The Writing Center is available to assist students with the writing process beginning with generating ideas to publishing products. The professionals and student writing assistants who staff the Writing Center are committed to providing students with the support necessary to become competent writers. The Center is also a place where students can informally share their writings with other students.

Program for Academic and Social Success (PASS): PASS is a specifically designed program for students identified as having specific learning disabilities and/or attention deficit disorders. Students participate in 1:1 appointments with certified, experienced learning specialists to develop the metacognitive and multisensory strategies necessary for college success. A separate application process is required for PASS, and an additional fee based upon the level of services is charged.

Disability Services: Students with documented disabilities are provided accommodations on a case-by-case basis in compliance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973.

Recreation Facilities

The Thomas Phillips Johnson Recreation Center, Knight Natatorium, Hummel Field House, Sandwen Arena, and various playing fields are available for student use at most hours.

Academic Procedures

Academic Standards Committee

The Academic Standards Committee is composed of members of the Bethany faculty charged with the responsibility of developing policies and procedures for the equitable and efficient administration of the academic machinery in such areas as attendance, the grading system, and academic standards. The Committee reviews students' academic records to apply College policies on such matters as academic standing, probation, eligibility, and dismissal. It evaluates and acts on student appeals for exemptions from established policies.

Academic Standards and Expectations of Educational Integrity

Honesty and academic integrity are essential to Bethany College's purpose and vital intellectual pursuits. Therefore, academic integrity is expected, required, and demanded of all Bethany College students. A student's academic work and conduct should always represent the student's private and personal best efforts and thus should be above reproach. Breaches of academic honesty at Bethany College constitute a violation of the Student Code of Conduct and include acts such as:

Cheating: using unauthorized materials, taking another's work and using it as one's own, providing work to another student to copy or adapt, allowing another to do one's work and submitting it as one's own, obtaining inappropriate assistance from another or from other sources during a quiz or test, sharing work via technological means with others without authorized permission, unauthorized collaboration on an assignment, or doing anything that would allow anyone to gain an unfair advantage over another's academic success;

Collusion: an agreement or cooperation between two or more people for a fraudulent or deceitful purpose, or the approval or knowledge of another's fraudulent or deceitful purpose;

Plagiarism: taking another's work and presenting it as one's own without citing or failing to document appropriate sources;

Fabrication: unauthorized creation or invention of any data, information, or citation;

Falsification: misrepresenting, altering, or lying to gain unfair advantage.

Procedure for Dealing with Violations of Academic Integrity

Consequences resulting from violations of academic integrity in a class may range from failure for the particular assignment to failure for the course in accordance with the policies articulated in the course syllabus. Additionally, all breaches of academic integrity *must* be reported to the Office of the Provost and Dean of Faculty. Instructors must:

- Fill out and turn in the "Violation of Academic Integrity Form" to the Office of the Provost and Dean of Faculty. See below for description.
- Provide clear documentation that a violation of academic integrity has occurred. In cases where a group of students or an entire class is accused, the instructor must provide documentation that clearly incriminates each student he or she turns in.
- Agree, along with his or her student, to follow through with the penalty prescribed or, in cases where student and instructor disagree on either the violation or prescribed penalty, agree to follow through with the decision of the Academic Standards Committee. The penalty must be in line with the range of disciplinary actions set out in the instructor's syllabus.
- Inform the student of his or her intentions to turn in the form.
- Request, in cases where the instructor believes a particular violation of academic integrity merits a penalty more severe than failure of the course, a hearing with the Academic Standards Committee. In cases such as these the instructor writes a letter detailing the case, attaches appropriate copies of evidence, and requests a hearing (see section 7.6.3 of the *Bethany College Policy Manual, Vol. VII, Student Life and Development Policies*). The Academic Standards Committee reviews the merits of the case and decides whether or not it will hold a formal hearing.

Violation of Academic Integrity Form

In cases where a violation of academic integrity has been clearly identified, instructor and student must fill out the Violation of Academic Integrity Form. If the student admits to the violation and agrees with the penalty, which the instructor prescribes, the instructor fills out the form and attaches the necessary documentation and both parties sign it. The sanctions imposed will be those specified in the instructor's course syllabus. The instructor then provides the form to the Office of the Provost, to be placed in a file under the student's name.

If there is no appeal by the student, no additional action will be taken, unless this specific accusation is proven true and represents the student's second or a compounded instance of academic dishonesty. Further penalties may result from actions of the Academic Standards Committee. Appeals of the Academic Standards Committee decisions must be directed to the Vice President on Academic Affairs or his/her designee.

If the student refuses or is unavailable to meet with the instructor, the instructor fills out the form on his or her own and documents attempts at written contact with the student concerning the violation. The student is required to sign the form within five working days from the date this form was sent to the student. The five working days will be calculated from the email-sending date or the US Postal Service postmark (in which case the student must provide the postmarked envelope), whichever date is later. If the requirement is not met, it will be understood the student admits to the violation as described on the form.

In all cases, the instructor delivers the Violation of Academic Integrity Form to the Office of the Provost and Dean of Faculty. The form is copied for the student's file and forwarded to the Academic Standards Committee (see section 7.6.3 of the Bethany College Policy Manual VII, Student Life and Development Policies for procedures).

Compounded Violations of Academic Integrity

Forms recording first-time violation of academic integrity are filed in the Office of the Provost and Dean of Faculty and result in no further discussion or repercussion so long as the student and instructor follow through with the prescribed penalty and the student accumulates no further violations of academic integrity. In cases where the Academic Standards Committee finds reason to clear the student of charges, the student may request to have the form removed from his or her file.

Second-time violations of academic integrity are noted when a second form is filed. Second-time violations result in both instructor-mandated penalties and a mandatory meeting with the Provost and Dean of Faculty. Failures to attend such meetings are referred to the Academic Standards Committee.

Third-time violations of academic integrity are noted when a third form is filed. Third-time violations are referred by the Provost and Dean of Faculty to the Academic Standards Committee and may result in a recommendation of expulsion, suspension, or other appropriate action.

Activity Courses

Some courses which emphasize practice and performance are considered activity courses. Of the 128 semester credits required for a Bethany College degree, no more than eight credits may be earned in activity courses and no more than four of these eight credits may be earned in activity courses offered by a single department. However, a student may enroll in additional activity courses which will be listed on official transcripts and become part of the student's cumulative record.

Change of Schedule

During the first five class days of first and second semester, a student is permitted to add or drop any course without penalty. A Course Change Form, available from the Office of the Registrar, must be filled out and signed by the student and advisor and submitted to the Registrar, in order to be applied. After these first five days, no courses may be added or dropped.

To withdraw from a course, the student must pick up a Course Withdraw Form from the Office of the Registrar. In order for the request to be processed, all sections of the form, complete with signatures, must be completed and submitted directly to the Registrar. Students can withdraw from a course beginning in the second week of the semester through the end of week nine.

Class Attendance Policy

A student is expected to attend all class meetings and laboratory, discussion, and practice sessions of courses and to participate in outside activities that are part of the courses. Upon enrolling for any course at Bethany College, a student accepts the requirements of that course as binding, including the instructor's attendance policy as stated in the syllabus.

The number of absences that are acceptable and the manner in which they are handled are the prerogative of the instructor. An absence, for whatever reason, does not excuse a student from meeting the full requirements of the course. Students recognize that many class activities can neither be replicated nor made up and that absences are likely to be detrimental to the student's performance.

Classification of Students

Students attain sophomore standing when they have earned 25 credits, junior standing when they have earned 60 credits, and senior standing when they have earned 94 credits.

Students are not considered candidates for the baccalaureate degree until they have earned senior classification, have filed an application to take the Senior Comprehensive Examination in the major, and have filed an application for a degree.

Course Load

A full-time student is defined as any student carrying at least 12 credits during a semester. Normally a student enrolls for 15 to 18 credits each semester. A course load exceeding 18 credits is always considered an overload. Permission to enroll for additional credits must be obtained from the Provost and Dean of Faculty. Applications for excess credits are available in the Office of the Registrar.

Students enrolled for more than 18 credits in the Fall or Spring Semester will be charged an additional fee for each credit beyond 18 in addition to the regular full-time tuition. This fee is listed in the Undergraduate Expenses section of this *Catalogue*.

Course Offerings

Most courses listed among departmental offerings are offered annually. Some, however, are offered every other year and a few are offered in three-year cycles. Students should see their advisors or respective department chairs for a long-range course plan.

Cross-Listed Courses

When a course which is part of a department's requirements for its major may be taken for credit in more than one department, a student majoring in that field may register for the course in any department in which it is listed, but the course will count as part of the maximum credit which may be earned by the student within the major department.

Degree Completion

As prescribed by the Charter and Bylaws of the institution, granting a degree from Bethany College is a three-step process involving the Registrar, the Faculty, and the Board of Trustees. The Registrar conducts a graduation audit on the date final grades are due at three points in the academic calendar: 1) at the end of the Fall Term; 2) at the end of the January Term; and, 3) and at the end of Spring Term. These dates are listed in the College Calendar which appears on Page 2 of the *Catalogue*.

Only the names of those students who have completed all the requirements for the degree by one of the dates noted above will be submitted to the Faculty at its next regularly scheduled meeting, at which time the Faculty nominates the members of the list for degree. The President then presents the list to the Board of Trustees which then confers the degree. Commencement exercises are held once each year, in May, at which time all degree recipients for that academic year receive their diplomas. All students who are candidates for graduation must resolve their financial obligations to the institution prior to their nomination for a degree, and transcripts will be withheld until the financial obligation is satisfied.

Grade Discrepancies

Any grade that has been submitted to the Registrar by an instructor is considered final. Grades may not be changed by allowing a student to do additional work (e.g. retaking exams, rewriting papers, extra credit projects, or other assignments not outlined in the course syllabus); by any change in course requirements that did not apply to all students enrolled in that particular class; or for any purpose other than (1) to correct a demonstrated error in calculation or recording; (2) pursuant to a confirmed finding of academic integrity violation (see Academic Standards and Expectations of Educational Integrity), or (3) pursuant to a decision in a student academic grievance.

If a student wishes to appeal a grade that the student believes has been erroneously or unjustly determined, the student must try to resolve the issue through informal discussions with the instructor. If no mutually satisfactory resolution is reached and the student wishes to pursue the appeal the student must adhere to the following procedure:

1. No later than 14 days into the semester immediately following the semester for which the grade report in question was recorded, the student must send to the course instructor a written request for a change in the grade. The written communication must contain specific details about the graded work (such as grades received on exams, projects, and papers) and must describe the specifics of the potential grade discrepancy. The course instructor must respond within 14 days of receiving the letter to questions raised by the student and correct any grade found to be erroneous or unjust. If the instructor believes that the grade should remain as previously recorded, the response to the student must be a written one. If the instructor is the department chair, the appeal process continues with Step 3.
2. Within 14 days of the date on which the response was written, the student may appeal the decision by notifying the instructor's department chair. The department chair will promptly (within 14 days) confer with the student, the course instructor, and such others as may be helpful. The department chair will then consider all materials and conversations to determine whether the criteria designated in the syllabus or announced in the course were used for determining the grade. The department chair will render a decision that will be transmitted in writing to the student and to the course instructor.
3. Within 14 days of the date on which the chair's response was written, the student or the instructor may appeal the decision by notifying the Academic Standards Committee (ASC). The ASC will promptly (within 14 days) confer with the student, the course instructor, and such others as may be helpful. The ASC will then consider all materials

and conversations to determine whether the criteria designated in the syllabus or announced in the course were used for determining the grades and whether procedures specified were followed in the appeal stages and render a decision transmitted in writing to the student and to the course instructor.

4. The student may (within 14 days of the decision by the ASC) make a final appeal of a grade to the Provost and Dean of Faculty

If in any of the appeal stages, the course instructor or department chair does not respond to the formal request in the time specified, the student may immediately take the next step in the procedure. If at any point, the student does not challenge the grade within the deadline specified, the grade will remain as recorded.

Grading System

Letter grades given for Mid-term (reported at the 8th week of each semester) and Final grades and their equivalents in quality points are:

A..... 4.00	B .....3.00	C 2.00	D 1.00
A-..... 3.75	B- .....2.75	C-..... 1.75	D- .....0.75
B+..... 3.25	C+ .....2.25	D+..... 1.25	F 0.00

Students are required to take at least 100 credits of letter-graded work.

Grades mean: A, *Excellent*; B, *Good*; C, *Fair*; D, *Poor*; F, *Failure*.

Other report abbreviations and their meanings are:

INC Incomplete. No quality points or credits will be awarded or counted toward the calculation of a student's grade point average for incompletes unless the **student is already on probation*** Poor academic performance is not, in and of itself, a reason for an INC. An incomplete must be removed by the end of the fourth week of class of the following semester, unless an extension of time is granted by the instructor and the registrar is notified. It is the student's responsibility to submit an application for an extension of time signed by the instructor of the course and submitted to the registrar in a timely manner. Four weeks after the beginning of the following semester, an INC will be recorded as an "F" and averaged into the student's grade point average. The grade can be changed within one year from the date the incomplete was submitted to the registrar's office if the instructor accepts the work in question. After one year, an INC will be permanently recorded as an "F".

*If a student is already on academic probation, an incomplete will be averaged into the calculation of the grade point average as an "F". These students must complete all work before the beginning of the next semester.

Students with an INC will not be eligible for the Dean's List or the President's List or consideration for honors until the INC is removed.

CR Credit. No quality points except in the case of Distinction on the Senior Comprehensive Exams.

NCR No-Credit. No quality points or academic penalty.

W Withdrawal. Indicates withdrawal from a course before the end of the ninth week of a full-semester course or before the fifth week of a half-semester course. Carries no quality points or credits.

WP Withdrawal while passing. Indicates withdrawal while passing from a course after the ninth week of a full-semester course or after the fifth week of a half-semester course. Carries no quality points or credits.

WF Withdrawal while failing. Indicates withdrawal while failing from a course after the ninth week of a full-semester course or after the fifth week of a half-semester course. Carries no quality points or credits.

SP Satisfactory Progress on Senior Project. No quality points.

UP Unsatisfactory Progress on Senior Project. No quality points.

AUD Audit.

NG No grade. Used at mid-term only.

Credit/No Credit

Any upper-class student who carries 12 credits of letter-graded academic work may elect to take additional work on a Credit-No Credit basis in courses which are not used for the major, a minor, or any graduation requirement. First-Year students may not take academic courses on a Credit-No Credit basis.

Independent Study

Each department offers independent study for those students who have demonstrated the ability to work individually in some area of special interest. The student selects an area of study, subject to the approval of the chair of the department. Upon approval, the student then completes an Application for Independent Study in the Office of the Registrar before the start of the semester. First-Year students may not register for independent study courses. Independent study courses are not offered in courses that are being offered in the current semester.

Probation and Dismissal

A satisfactory scholastic record at Bethany requires a student to have a semester's grade point average of at least 1.70 during the freshman year, 1.80 during the sophomore year, and 2.00 during the junior and senior years. For purposes of determining

this average, the fall semester and the following January Term will be considered together, and the spring semester and May Term will be considered together. January Term and May Term are not considered to be “semesters” for purposes of this policy. Students who have an unsatisfactory scholastic record at Bethany are placed on academic probation or dismissed from the College as described below.

Academic probation is a warning that academic performance is unsatisfactory and that unless significant improvement is made, continuation at Bethany will not be permitted and the student will be dismissed. Academic dismissal is a result of a semester on academic probation directly followed by an unsatisfactory scholastic record in the next semester, unsatisfactory scholastic records in three semesters, or a grade point average of less than 0.500 in any one semester. Students who believe their grades are a result of unusual or extenuating circumstances may appeal their dismissal to the Academic Standards Committee (ASC) for its review and an exception to college standards. The ASC’s decision may be appealed to the Provost and Dean of Faculty for a final decision. The procedure and deadlines for appeal are attached to the probation and dismissal letters. Specific policies regarding multiple scenarios may be found in Appendix 6.2.12.1 of Volume VI: Academic Policies posted on the Bethany homepage at: www.bethanywv.edu/employment/.

Special Examinations

A student justifiably absent from a final examination or a test given in connection with regular class work is permitted to take a special test without payment of fees with the consent of the instructor and approval of the Provost. For any other special examination a fee must be paid at the Business Office before the examination is taken, and the proper receipt must be presented to the instructor at the time of the examination.

Transcript of Records

Students wishing to receive transcripts of records in order to support applications for graduate or professionals school, to transfer to other schools, or for other purposes should make application to the Office of the Registrar at least one week before the transcript is needed. Transcripts are issued only at the written and signed request of the student, and official transcripts are sent directly to the recipient specified by the student. Transcript Request Forms are available in the Office of the Registrar. A fee of \$10.00 will be charged for each transcript provided. Fees must accompany the request. All financial obligations to the College must be paid before an official transcript is issued.

Withdrawal

A voluntary dismissal is granted to students in good standing who may desire to withdraw from the College if they have satisfied to their academic advisors and a responsible officer of the College that there is good reason to justify such action. Students asking to withdraw must contact the Office of Student Life for procedural details. No withdrawal is considered complete until this procedure has been carried out.

Changes in Regulations

Bethany reserves the right to amend the regulations covering the granting of degrees, the courses of study, and the conduct of students. Attending Bethany College and receiving its degrees are privileges, not rights. The College reserves the right (and the student concedes to the College the right) to require the withdrawal of any student at any time.

Recognition Awards

Awards are made by the President and by the Honors Committee in accordance with the requirements of a particular endowed fund. Each year, Bethany offers entering students its Kalon Leaders Program in which participants vie for tuition grants that can be renewed for four years, regardless of financial need. Selection is based upon past leadership achievements, secondary school record, a required essay, references, and interviews by Bethany faculty, current students, and alumni.

Achievement Recognition

Bethany encourages achievement in scholarship and leadership in student affairs by public recognition at Commencement, Honors Day, and other suitable occasions.

Graduation Honors

Students who have done academic work of unusual merit are graduated with honors: *Summa Cum Laude* (3.85); *Magna Cum Laude* (3.65); *Cum Laude* (3.35).

Departmental Fellowships

Departments have the ability to create fellowships for their students, which may be funded or honorary at the discretion of the department. The criteria for these fellowships are determined by the department but are generally given to majors who excel in the department and are employed by the department. See the chair of each department for information about their fellowships.

President’s List

At the end of each semester students who have demonstrated exemplary academic accomplishment by achieving a grade-point average of 4.00 and have completed at least 12 graded credits during the semester are designated as members of President’s List.

Dean's List

At the end of each semester students who have demonstrated a high level of academic achievement (grade-point average of 3.65 or better) and have completed at least 12 graded credits during the semester are designated as "Students Distinguished in Scholarship" and, thus, members of the Dean's List.

Honor Societies

A number of honor societies have been established at Bethany through the years to recognize academic achievement and campus leadership.

All-College

Bethany Kalon is a junior and senior society established in 1948 to give recognition to students of high character who have demonstrated competent and unselfish leadership in student activities and have been constructive citizens of the College community. Selection is made by members of the society with the advice and approval of the Honors Committee.

Gamma Sigma Alpha is the National Academic Greek Honor Society that recognizes the overall scholastic achievements of Greek students. The society is open to junior and senior students who maintain at least a 3.5 grade-point average and are members of a Greek fraternity or sorority.

Gamma Sigma Kappa is a scholastic society founded at Bethany in 1932. Degree-seeking students who have achieved a high cumulative scholarship index (over at least four consecutive semesters, provided that in no semester their scholastic index falls below a 3.00 and provided they have completed at least 12 graded credits in each of the semesters) may, upon recommendation of the Honors Committee, be considered for membership. No more than 10 percent of any class will be recommended.

Biology

Alpha Phi Chapter of Beta Beta Beta is for students of the biological sciences. Its purpose is to stimulate sound scholarship, to promote the dissemination of scientific truth, and to encourage investigation into the life sciences.

Business

Sigma Beta Delta International Honor Society is for students in business, management, and administration serves institutions which offer baccalaureate and graduate degrees in business, management, and administration where the institution holds accreditation from one of the six regional accrediting bodies but not specialized accreditation in business.

Chemistry

Pi Alpha Chapter of Gamma Sigma Epsilon, a national chemistry honor society, was established at Bethany in 1989. Its purpose is to promote and recognize interest, scholarship, and research in the field of chemistry. Students are elected from those who have completed a minimum of 16 credits of chemistry with at least a 3.00 grade-point average and an overall grade-point average of 2.75, or from students recommended by faculty in the chemistry program.

Communications and Media Arts

Alpha Delta Eta Chapter of Lambda Pi Eta seeks (a) to recognize, foster, and reward outstanding scholastic achievement in communication studies; (b) to stimulate interest in the field of communication; (c) to promote and encourage professional development among communication majors; (d) to provide an opportunity to discuss and exchange ideas in the field of communication.

The Society for Collegiate Journalists, a national recognition society in communications and mass media, is designed to stimulate interest in journalism, foster the welfare of student publications, and reward journalists for their efforts, service, and accomplishments.

Computer Science

Upsilon Pi Epsilon, an international honor society, recognizes excellence and innovation in the field of computer science. Membership is limited to students who are candidates for a degree in computer science who have completed at least 21 credits toward the major including Computer Science I and II (or the equivalent) with a grade-point average of at least 3.0. Members also must display academic achievement, reputation, and creative abilities which deserve recognition and which enhance the stature of the organization.

Economics

Alpha Chapter of Omicron Delta Epsilon, an international honor society in economics, was established in 1960 to recognize excellence in the study of economics. Membership is limited to students who have completed a minimum of 12 credits in economics courses, attainment of at least a 3.0 in both those courses and overall, and be in the top third of their class. Students need not be a declared major in Economics, but must demonstrate a genuine interest in economics in addition to meeting the above requirements.

Omicron Delta Epsilon also sponsors the Cooley-Davis Experiential Learning Fellowship, an endowed fund to support selected students in their efforts to travel abroad, to pursue internships, or to do research. Established in 2011, the fellowship is open to students majoring in Economics, Accounting, or Business.

Education

Kappa Delta Pi is an international honor society in education, and elects those to membership who exhibit the ideals of scholarship, high personal standards, and promise in teaching and allied professions. Selection as a member of Kappa Delta Pi

is based on high academic achievement, commitment to education as a career, and a professional attitude that assures steady growth in the profession. Students must have sophomore status and have completed 12 credits in education with a 3.25 grade point average to be considered for membership.

History

Mu Epsilon Chapter of Phi Alpha Theta National Honor Society was established at Bethany in 1967 to recognize excellence in the study of history. Its membership is limited to those students who have completed at least 12 credits of history with a grade-point average of 3.1 or better and with at least a 3.0 grade-point average in two-thirds of all other studies. Members also must rank in the upper 35 percent of their class.

Literature

Sigma Tau Delta is the International English Honor Society that confers distinction for high achievement in English language and literature in undergraduate, graduate, and professional studies. The society is open to English majors who have 12 semester hours in English beyond the College Writing course, an overall GPA of 3.0, an in-major GPA of 3.5, and who are in the top 35% of their class.

Mathematics

Alpha Chapter of Kappa Mu Epsilon, a national honor society in mathematics, was established in 1975 to recognize outstanding achievements in mathematics. Its membership is limited to those students who have completed at least three semesters at Bethany, rank in the upper 35 percent of their class, have completed at least three mathematics courses, including one semester of calculus, and have a grade-point average of 3.0 or better in all mathematics courses.

Music

Sigma Tau Epsilon Music National Honor Society promotes participation and appreciation of music by encouraging attendance at recitals, sponsoring field trips to concerts, and providing an opportunity for students of music to meet and exchange ideas. This society also encourages participation in College musical groups and solo recitals while upholding high standards of musical performance. Qualifications for membership include active participation in College musical organizations.

Physical Education

The *Phi Delta Psi* is a local physical education honorary society for both men and women which encourages scholarship, leadership, fellowship, high educational standards, and participation in departmental activities. To be eligible, students must be at least at the second semester of the sophomore year and achieve a grade-point average of at least 3.0 in physical education after taking at least nine credits in department at the 200 course level or above.

Physics

Sigma Pi Sigma is the national physics honor society. It was established in 1921 to recognize outstanding achievement in physics. To be eligible for membership a student must have a cumulative grade-point average of at least 3.0 and have completed a minimum of 16 credits of physics with at least a 3.0 grade-point average.

Political Science

Pi Sigma Alpha National Political Science Honor Society, is the only honor society for college students of political science and government in the United States. Membership is not limited to political science majors, it is only limited to those who meet the following requirements: must be at least juniors who have completed at least 10 credits of work in political science including at least one upper-division course, have an average grade of B or higher in those courses, have achieved and overall GPA placing them in the top one-third of their whole class.

Pre-Professional Studies

Alpha Epsilon Delta is a national honor society that recognizes scholastic achievement in the fields of pre-professional studies majors including pre-medicine, pre-physical therapy, pre-pharmacy, pre-veterinary medicine, and pre-dentistry. Membership is limited to students who have completed two semesters of pre-professional coursework and who have maintained both a science and overall grade point average of 3.2 or higher.

Psychology

Psi Chi is a national honor society in psychology founded to recognize outstanding students who major in Psychology or a field related to psychology. To be eligible for membership students must achieve at least a 3.0 grade-point average in a minimum of 9 credits in psychology courses and have an overall grade-point average placing them in the upper 35 percent of their class.

Religious Studies

Theta Alpha Kappa is the national honor society for religious studies and theology. Criteria for membership include a major or minor in Religious Studies, a minimum of 12 credits in Religious Studies with at least a 3.5 GPA in all Religious Studies courses, an overall GPA of 3.0, and position in the top 35% of the student's class.

Social Science

Pi Gamma Mu is an International Social Science Honorary for men and women who have achieved a high academic standing in the study of history, economics, political science, sociology, and geography. A 3.0 average in at least 20 credits of study in these fields and standing in the top 35 percent of their class are required for membership.

Social Work

The *Phi Alpha* National Social Work Honor Society strives to provide a close bond among students of social work while promoting humanitarian ideals. Phi Alpha invites into membership those who have attained excellence in scholarship and achievement in social work. Social work majors who have completed at least nine credit hours in the major with a grade point average of 3.25 or higher may join the honor society.

Theatre

Alpha Psi Omega is a national recognition society in dramatics. Students qualify by faithful work in playing major and minor roles or working with technical or business aspects of theatre.

Visual Art

Kappa Pi is an international honorary art fraternity with the purpose of uniting artists who care about art and its role in life. The Epsilon Chi chapter of Kappa Pi was chartered at Bethany in 1973-74 and reactivated in 2006. Membership is limited to those students who have completed 12 credits of Visual Art courses with a grade point average of 3.0 or better and with at least a 3.0 grade point average in all other courses. Members must also produce outstanding artwork.

World Languages and Cultures

Delta Phi Alpha National Honor Society aims to promote the study of German language, literature and civilization. Students are eligible for membership with a minimum of two years of college German, a high scholastic standing and an indication of continued interest in the study of German language and literature.

Sigma Delta Pi is an honor society for those who attain excellence in the study of the Spanish language and the literature and culture of the Spanish peoples. Students who are at least second semester sophomores, who have a high scholastic index, and who have completed at least one advanced course in Spanish literature are eligible for membership.

Awards

All-College

Oreon E. Scott Award is presented to the graduating senior who has achieved the highest academic standing over a four-year period of study. The donor of this award was a long-time Bethany trustee and a graduate of the class of 1892.

Francis O. Carfer Prize is given to the senior who, in the judgment of the Honors Committee, has made the most outstanding contribution to the College. Mr. Carfer, a trustee of Bethany College for 29 years, was a graduate of the class of 1909. Recipients of the award must display sound academic accomplishments and characteristics of loyalty, service, and devotion to Bethany.

The John R. Taylor Memorial Award in Liberal Arts is presented annually to a student who demonstrates: exceptional scholastic achievement; service to the College in terms of cross-disciplinary extracurricular activity; and a deep understanding of, and abiding commitment to, the core liberal arts values expressed in the Mission documents of Bethany College. That is, in the words of its founder, Alexander Campbell, "to liberate the individual from ignorance, superstition, vulgar prejudice, and the tyranny of others." Preference is given to students who have benefited from immersion in an international experience.

Aleece C. Gresham Award, announced each spring at the Darline Nicholson Spring Breakfast honoring senior women, was initiated in 1987 and is presented to a senior woman who has attended Bethany for at least five semesters. To be eligible for selection, senior women must have a grade-point average of at least 2.75, must have participated in and displayed leadership in a variety of co-curricular activities, and must have shown dedication and commitment to Bethany College.

Bethany 2000 Prize recognizes the member of the senior class who has best demonstrated loyalty and commitment to Bethany College through involvement in a wide variety of activities. The recipient must maintain at least a 3.0 grade-point average and demonstrate the characteristics of enthusiasm, dependability, and dedication.

The Pittsburgh Bethany College Club Award is presented to the outstanding woman in the junior class. The award is based on the qualities of leadership, character, conduct, and scholarship. The Club, comprising the Bethany alumnae of Pittsburgh, has placed a plaque in Phillips Hall on which the names of winners are engraved. In addition, an individual gift is made to the recipient.

W. F. Kennedy Prize is given to the outstanding man in the junior class. This prize, established by Mr. Kennedy of Wheeling, West Virginia, is awarded on the basis of the student's contribution to the College community life through leadership in activities, in personal character, and in scholarship.

Richard B. Kenney First-Year Leadership Award is granted to a first-year student who has demonstrated outstanding scholarship, leadership, and character at Bethany, who has become actively involved in Bethany, and who has contributed service and devotion to the College community. The student must achieve at least a 3.50 grade-point average during the first year at Bethany. The award honors the late Dr. Kenney, T.W. Phillips Professor of Old Testament Literature, who taught at Bethany from 1964-1986. The award was established by the Freshman Activities Council of 1986-1987.

Research Awards

Gans Fund Awards are presented to juniors, seniors, and graduates of the College who are engaged in approved study and research in some specific field of the sciences at Bethany College or elsewhere. The direct charge is "for the encouragement of research and discovery in the various fields of science." These awards were established by Wickliffe Campbell Gans of the class of 1870 and Emmet W. Gans in memory of their father and mother, Daniel L. and Margaret Gordon Gans.

Social Groups

Anna Ruth Bourne Award stimulates scholarship among the women's social groups. A silver cup, provided by an anonymous donor in honor of the former distinguished chair of the English Department, is awarded to the recognized women's group whose active membership earns the highest scholarship standing each semester. The group winning the cup for four semesters is presented with a smaller replica as a permanent trophy.

W. Kirk Woolery Award encourages scholarship among the men's social groups. A silver cup, donated by friends of the late Dr. Woolery, a former Dean and Provost of the College, is held by the recognized men's social group or housing organization whose membership (active membership only in the case of fraternities) earns the highest scholarship standing each semester. Any group winning the cup for four semesters is presented with a smaller replica as a permanent trophy.

Travel Awards

Bettie Blanck Travel Award is made to the student whose proposal for international travel best promises to augment study in English literature. The award was established by Thomas A. Hopper, class of 1967, in honor of his mother, a member of the class of 1944.

Benjamin Chandler Shaw Travel Award is granted to the junior man who has distinguished himself by leadership, character, conduct, and scholarship and whose proposal for international travel most significantly supplements his educational objectives. The award is funded by the late Dr. Carl Lincoln Schweinfurth in recognition of the late Dr. Shaw, Bethany's George T. Oliver Distinguished Professor of History and Political Science. Dr. Shaw joined the Bethany faculty in 1935, served from 1945 to 1966 as Chair of the Department of History and Political Science, and continued part-time as a faculty member until 1975.

Biology

Beta Beta Beta - B. R. Weimer Award, established in honor of the late Dr. Weimer, Professor of Biology and Dean of the Faculty, is given each year to the senior in Biology who has attained the highest academic rank in this major.

Beta Beta Beta Prize is awarded the student who has received the highest grades in the initial courses in biology.

Business

The Accountancy Award is presented to the senior who maintains a grade point average of 3.5 or higher and demonstrates excellence in the study of accountancy.

The Business Award is presented to a senior(s) majoring in a functional area of business such as management or finance who maintains a grade point average of 3.5 or higher and demonstrates excellence in the study of the chosen field. Based on the number of majors there may be more than one business award in an academic year.

Ernest L. and Dorothy Miller Korb Entrepreneurial Spirit Award is presented to the senior who best displays an entrepreneurial spirit and honors Ernest L. Korb and his wife, Dorothy Miller Korb, both graduates of Bethany College. The selection committee chooses the recipient.

The Eugene Miller Award is presented to a Bethany student who has made a significant contribution to communication and to economics and business. This award honors Eugene Miller, Class of 1947, long-time member of Bethany's Board of Trustees, for his lifetime accomplishments in the areas of economics and journalism spanning the last half of the 20th century. Dr. Miller is recognized as a journalist, editor, author, professor, business executive, and officer in the Navy.

Chemistry

The Jerry R. Allison Chemistry Award is granted to the senior concentrating in Chemistry who has achieved the highest cumulative grade-point average in the department. The Award is given by his family in memory of Dr. Allison, who received The Senior Chemistry Award in 1967, awarded on the same criteria.

Freshman Chemistry Award is presented each year to the student who attains the highest grade-point average in a first-year level chemistry course.

Communications and Media Arts

E. E. Roberts Distinguished Prize in Campus Media is awarded to an outstanding student who excels in work with one of the student media and in academic work in the Communications and Media Arts Program.

Sara M. Cannon Award is presented to an outstanding student who excels in work with the campus media systems.

James W. Carty Jr. Award is presented each year to an outstanding student who excels in work with the campus print or online media.

Charlotte Manion Yurko Award is presented to the Communications and Media Arts senior with the highest scholastic average in the major.

James Keegan Prize in International Communication is presented to a student whose academic achievement reflects an appreciation for the role communication plays in international affairs.

Computer Science

David Brown Prize recognizes outstanding achievement in Computer Science. It is given in honor of the professor who established the Computer Science program at Bethany.

Economics

Forrest H. Kirkpatrick Award is presented annually to the outstanding senior majoring in economics. The award is named in honor of the late Dr. Kirkpatrick, long-time professor and dean of the College.

Ernest L. and Dorothy Miller Korb Entrepreneurial Spirit Award is presented to the senior who best displays an entrepreneurial spirit and honors Ernest L. Korb and his wife, Dorothy Miller Korb, both graduates of Bethany College. The selection committee chooses the recipient.

The Eugene Miller Award is presented to a Bethany student who has made a significant contribution to communication and to economics and business. This award honors Eugene Miller, Class of 1947, long-time member of Bethany's Board of Trustees, for his lifetime accomplishments in the areas of economics and journalism spanning the last half of the 20th century. Dr. Miller is recognized nationally as a journalist, editor, author, professor, business executive, and officer in the Navy.

The W. Randolph Cooley Value Added Award is presented to the graduating senior in the Department of Economics and Business who gained the most value added from their time at Bethany College.

Education

Caldwell Award for Leadership in the Art and Science of Teaching, established by Fran and Harry R. Caldwell, Bethany College graduates, is awarded to the outstanding senior Elementary Education major who has demonstrated exceptional academic accomplishment, as well as special talent and creativity, and who exemplifies the belief that effective teaching extends beyond the classroom into the community.

Exceptional Middle School Education Award recognizes exemplary performance in scholarship and teaching, the Exceptional Middle School Education Award is presented each year to an exceptional senior middle school education major. In addition to his or her overall professional disposition, the candidate has demonstrated pedagogical strength in his or her instructional strategies and respective field of study.

Exceptional Secondary Education Award recognizes exemplary performance in scholarship and teaching, the Exceptional Secondary Education Award is presented each year to an exceptional senior secondary education major. In addition to his/her overall professional disposition, the candidate has demonstrated pedagogical strength in his or her instructional strategies and respective field of study.

Equine Studies

MaryBeth Trout Horsemanship Award is awarded to an outstanding senior with an interest in Equine Studies who has demonstrated excellence in horsemanship, leadership, and coursework. This award is named in memory of Bethany graduate MaryBeth Trout.

English

Florence Hoagland Memorial Award, given by a graduate of the class of 1944, is presented to the outstanding senior English major. The award honors the memory of the late Florence Hoagland who was for many years Professor of English at Bethany.

Christine Burleson Memorial Award, given by a graduate of the class of 1936, is presented to a senior English major who has attained excellence in this field. The award honors the memory of the late Christine Burleson who was professor of English and Dean of Women from 1932 to 1936.

Cammie Pendleton Awards, named in honor of A. Campbellina Pendleton, Professor of Language and Literature at Bethany from 1884 to 1909, are presented to the outstanding junior and sophomore majoring in English. These awards were given by Dwight B. MacCormack, Jr. of the class of 1956, in memory of his grandmother, Dr. T. Marion MacCormack.

Helen Louise McGuffie Award recognizes excellence in research-based, literary critical analysis. To select winners of this award, the Department of English judges an annual essay competition open to juniors and seniors.

The W. W. Eaton Award, founded in 2016 by alumni and named for Bethany's first Professor of English, supports and encourages outstanding Bethany English majors. One or more Eaton Awards are made each year on the basis of applications judged by a committee of English faculty and alumni.

History

Frank Alfred Chapman Memorial is a fund established by Dr. Stanton Crawford to provide for an annual award to the outstanding history student. Preference is given to students of American History and the history of the Ohio Valley.

Thomas R. Burns Award in History and Political Science is given to an outstanding student who has completed more than one full year of study as a major in either History or Political Science and has demonstrated great promise for scholarly achievement in his or her chosen field of study.

Interdisciplinary Studies

Frank Roy Gay Award, established in 1982, is given to the senior interdisciplinary major who maintains a grade-point average of 3.5 or above and displays outstanding leadership qualities in the Bethany community. The award is named for the former Professor of Classics at Bethany who taught English literature, religion, and philosophy.

Japanese Cultures

Wheeling-Nisshin Japanese Culture Award is presented to a student who has shown excellence in the study of Japanese language and cultures and has significantly promoted interest in Japanese cultures in the College community.

Mathematics

W. H. Cramblet Prize recognizes outstanding achievement in mathematics. It is named in honor of Mr. Cramblet, the 11th president of Bethany College.

James E. Allison Award is presented annually to the senior mathematics major who has excelled in the field of mathematics and best exhibits outstanding character and a giving spirit in all phases of life. This award was established by family and friends in memory of Professor Allison, a 1962 graduate of Bethany College and a member of the faculty in mathematics for 36 years.

Philosophy

Winfred E. Garrison Prize is presented in recognition of outstanding achievement in one or more areas of philosophy. The award honors the memory of the late Dr. Garrison, a member of the class of 1892, whose humane concerns and scholarly achievements contributed significantly to the areas of higher education, history, and philosophy.

Physical Education

John J. Knight Award is presented to the senior male Physical Education major displaying outstanding scholarship and athletic participation during his four years at Bethany. To be eligible for selection, the student must have an overall grade-point average of at least 2.75 and a grade-point average of at least 3.20 in Physical Education.

S. Elizabeth Reed Award is presented to the senior female Physical Education major displaying outstanding scholarship and athletic participation during her four years at Bethany. To be eligible for selection, the student must have an overall grade-point average of at least 2.75 and a grade-point average of at least 3.20 in Physical Education.

Physics

J.S.V. Allen Memorial is a fund established by the family and friends of Professor Allen to provide for an annual award to the outstanding physics student.

Political Science

Thomas Jefferson Prize in Political Science is given to a student who has demonstrated outstanding performance in the field of Political Science through superior academic achievement and participation in the political life of the campus.

The International Relations Award is presented to the senior who maintains a grade point average of 3.5 or higher and demonstrates excellence in the study of world politics through coursework, travel and study abroad.

The John G. Chernenko Award was established in honor of this public servant, labor leader, and long time friend of Bethany College. Chernenko served as United States Marshal for the Northern District of West Virginia in the administrations of Presidents John F. Kennedy and Lyndon B. Johnson. He has dedicated his life to national and state public affairs and was thrice elected to the West Virginia State Senate, serving the First Senatorial District. The Award is presented annually to the junior political science major with the highest overall grade point average.

Pre-Medical Studies

The Leonard Emory Yurko Award is presented yearly to the outstanding senior pre-medical student, as judged by the Health Professional Advisory Committee. The award is made to a senior who has applied for admission to medical school and who is judged to exhibit outstanding character and excellent scholarship in 32 semester hours of course work required of all medical school applicants.

Psychology

Thomas R. Briggs Award is presented annually to the senior in psychology who has maintained the highest academic average in the department. The award is a memorial to the late Mr. Briggs, class of 1978, recipient of the Psychology Society Award in 1978.

Religious Studies

Osborne Booth Prize is given to the student who excels in the field of Religious Studies and in the overall academic program. The late Dr. Booth was T. W. Phillips Professor of Old Testament Literature when he retired in 1964 after 35 years of teaching at Bethany.

Harold R. and Evelyn N. Watkins Pre-Ministerial Award, recognizes a junior or senior who has demonstrated outstanding Christian leadership and service.

Social Work

The Lester N. and Helen W. Frantz Award is presented to a senior who demonstrates outstanding achievement in Social Work by maintaining a minimum 3.0 GPA in the major, active participation in the Social Awareness Club, outstanding achievement in field placement, community involvement outside of the social work curriculum and maintaining a good member standing in NASW.

The Lynn Frantz Adkins Award for Outstanding Involvement in Social Work, endowed by the faculty and graduates of the Social Work Program in honor of its founder, recognizes a junior social work major. Recipients of the award must have a minimum GPA of 3.0 in the major and overall, maintain active participation in the Social Awareness Club, serve in a leadership capacity in at least one campus organization, and demonstrate dedication to helping peers.

Visual and Performing Arts

Rush Carter Prize in music is presented to a member of the senior class in recognition of outstanding achievement in music. The prize honors the memory of the late Professor Carter, who was a member of the Bethany faculty from 1934 to 1945.

George K. Hauptfuehrer Award in music is sponsored by Sigma Tau Epsilon in honor of the late Professor Hauptfuehrer, Professor of Music and Chair of the Department of Music. The award is presented to a Bethany student who has demonstrated musical excellence and has participated actively in campus musical organizations. Preference is given to seniors.

Charles H. Manion Award is presented to the outstanding senior in Visual Arts who has an emphasis in one of that program's areas. The award memorializes Mr. Manion, long-time trustee of Bethany College, who was associated with the steel industry in the Ohio Valley and who enjoyed painting. The award is provided by his daughter, Mrs. Leonard Yurko of Weirton, W.Va.

A. Kenneth Stevenson Theatre Award is presented each year to the outstanding Bethany junior or senior of any discipline who has contributed most significantly to the Bethany College Theatre activity. The award also provides for guest artists to enhance the program in Theatre. Mr. Stevenson, of Washington, Pa., was a long-time supporter of the Bethany College Theatre program until his death in 1979.

David Judy Prize, an endowed prize, is awarded each year at Honors Day to the senior who has achieved outstanding academic success as a major in The Visual and Performing Arts Department at Bethany. The award honors the late David Jones Judy, Jennie Steindorf Renner Professor of Fine Arts. Professor Judy taught at Bethany from 1967 until his retirement in 1993 and served as Chair of the Department of Fine Arts and Director of the Bethany Theatre.

Wes Wagner Award is presented to a Visual Art major who has demonstrated academic accomplishment, outstanding artistic ability, and exceptional creativity. This award was established by Mrs. Ruth Wagner through the Community Foundation for the Ohio Valley, Inc., in memory of her husband, an outstanding artist, teacher, mentor and friend of Bethany from 1967 until his retirement in 1988. Mr. Wagner continued to have a profound impact on the arts community of Wheeling until his death in 2006, and his artistic spirit lives on in art students, artists, and art lovers in the Upper Ohio Valley and beyond.

World Languages and Cultures

Pearl Mahaffey Prize is awarded to the outstanding senior majoring in World Languages and Cultures. The award was established by Mrs. Walter M. Haushalter and other former students of Bethany's Emeritus Professor of Foreign Languages. The prize honors Professor Mahaffey, a faculty member from 1908 until 1949 and a trustee of the College at the time of her death in 1971.



Leonora Balla Cayard Prize is awarded to an outstanding German student. This prize honors Dr. Leonora Balla Cayard who was Professor of German and Chair of the Department of Foreign Languages until her retirement in 1986.

Theodore R. Kimpton Prize is awarded to an outstanding French student. This prize, which is restricted to those students whose native language is other than French, was established by the late Professor Kimpton, Assistant Professor of Foreign Languages at Bethany prior to his retirement from full-time teaching in 1975.

Shirley Morris Memorial Award was established by Theta Chapter of Zeta Tau Alpha in memory of Shirley Morris, a member and past president of the chapter. The award is given to an outstanding student in the field of modern languages. Selection is made by the World Languages and Cultures program.

Margaret R. Woods Prize, sponsored by the Kappa Xi Chapter of Sigma Delta Pi, is awarded to an outstanding Spanish major. The prize honors Professor Woods who was a faculty member from 1943 until her retirement in 1965.

Student Life

Education at Bethany is an experience in integrated living and learning. The College community offers a wide variety of activities, and students are encouraged to participate in those which best complement their educational experiences. Many opportunities for leadership are available.

Bethany encourages mature and responsible citizenship by its students. The *Bethany College Policy Manual, Vol. VII, Student Life Policies* provides information that depicts the campus climate through statements of the College's mission, goals, and objectives. The *Bethany College Policy Manual, Vol. VII, Student Life Policies* also explains policies, procedures, and community expectations.

Athletics and Recreation

Bethany College is a member of Division III of the National Collegiate Athletic Association and the Eastern College Athletic Conference. Varsity women's and men's teams participate in the Presidents' Athletic Conference. Members of the Conference, in addition to Bethany, are Chatham, Geneva, Grove City, Saint Vincent, Thiel, Thomas More, Washington & Jefferson, Waynesburg, and Westminster. Carnegie Mellon and Case Western Reserve are associate members of the PAC in football. The Bethany Men's Lacrosse program competes in the Ohio River Lacrosse Conference. Men's teams compete in baseball, basketball, cross country, football, golf, lacrosse, soccer, swimming, tennis, and indoor and outdoor track. Women's teams compete in basketball, golf, soccer, softball, tennis, volleyball, cross country, swimming, and indoor and outdoor track.

Equestrian is offered as a co-educational club sport. Women's lacrosse will be offered as a club sport for the 2017-2018 season.

Each year, club sports provide Bethany students with opportunities to compete as well. Past clubs have included Soccer, Lacrosse, Volleyball, and Softball. Bethany's popular Outdoors Club provides opportunities for hiking, skiing, and whitewater rafting, for both men and women.

A wide variety of sports is offered to the entire student body through Bethany's intramural program. Facilities for numerous individual or group athletic, health, and recreation activities are located on or nearby the campus.

The Thomas Phillips Johnson Recreation Center provides facilities for excellent recreational activities, including a large gymnasium, fitness arena, a swimming pool, courts for racquet sports, a weight room, and an exercise area. A fitness center in Cummins Community Center allows students 24-hour access to state-of-the-art training equipment.

Career & Professional Development

The Office of Career & Professional Development assists students and alumni in developing, evaluating, initiating, and implementing their career path. Individual career counseling is provided and workshops are offered on such topics as developing resumes, writing cover letters, and preparing for interviews. The office also maintains the website www.BethanyJobHunter.com and the online platform *Handshake*, which helps students explore career options, and prepare and search for internships and jobs. The office coordinates a graduate school fair each fall, a career fair each spring, and several smaller reverse job fairs.

Counseling Services

Bethany College provides free on-campus counseling for students who experience non-serious emotional and psychological problems while at college, such as difficult adjustment to college life, relationship issues, stress, depressed mood, substance abuse, and grief. The College Counselor can also provide on-campus support and assistance as needed and in coordination with a student's primary counselor or therapist. Counseling is provided either individually or in a group format.

Students needing non-immediate extensive counseling or counseling for problems beyond the purview of the College Counselor are referred to appropriate off-campus counseling services which are at student expense. Students experiencing a serious emotional or psychological crisis in which they might become a danger to themselves or others should immediately call Campus Security for immediate transportation to a nearby hospital emergency room and its associated mental health services for treatment.

Counseling is kept confidential, and confidentiality will be broken only, as required by law, to prevent harm to the student or others and in cases of ongoing child abuse. Close coordination is maintained between the College Counselor and the college Health Services personnel, as well as with the McCann Learning Center, to ensure optimum support to Bethany students.

Outdoor Opportunities

Bethany offers a wide variety of outdoor experiences. The Bethany Trail System includes four miles of hiking trails spread through the woods surrounding the campus. An extensive network of hilly back roads offers hundreds of miles of peaceful and challenging bicycling. Bethany Outdoors Club is a student organization which supports adventure initiatives. Examples of recent activities coordinated by Bethany Outdoors Club are caving, whitewater rafting, camping, and volunteer service projects.

Religious Life

Many diverse religious backgrounds are represented in the student body and faculty. Although participation is voluntary, there are many opportunities for religious activity on campus.

Many students find Bethany Memorial Church an opportunity for expression of their religious faith. The minister of this church, who is also a College Chaplain, is available to students for counseling and advice on personal and religious matters. The Bishop of the Wheeling-Charleston Diocese of the Roman Catholic Church provides a chaplain and chapel for Catholic students. A Priest celebrates Mass each Sunday and on holy days and is available daily for counseling. Jewish congregations in Steubenville and Wheeling sponsor fellowship meetings and entertain Jewish students for the high holidays.

Many students are involved in outreach programs that are coordinated through the Chaplain's office. Habitat for Humanity, Big Brothers Big Sisters, and other local charities benefit from volunteers of the Bethany community.

Residence Life

Residence halls help to shape the experiences of residents and the campus. To foster camaraderie and a sense of community, students are encouraged to become engaged in the activities of their residence halls, as well as of the campus.

Bethany's residence life program offers a variety of living and learning environments. These options include traditional style residence halls and suite style living. The suites provide an opportunity for students to have a private bedroom while sharing a living room, small efficiency kitchen, and a full bath with only three other roommates.

Dining and food options are provided for students, faculty and staff by Bethany College Dining Services, contracted with Chartwells, a division of Compass Group. All students not commuting are required to select one of the variety of meal plans offered. Dining options include the cafeteria, Boomer's, and the Bethany Beanery, as well as catering for special events. Students are able to select from a variety of meal plans prior to the beginning of each semester. First-year students are required to be on the 19 meal plan for their first semester at Bethany College.

Social Life

The Director of Student Activities is responsible for coordinating College programs. The student-run Student Activities Council is responsible for providing a wide range of activities on campus. These include cultural events, concerts, dances, comedians, and a variety of other activities.

Student clubs and organizations are registered with and funded by the Student Government Association (SGA). Club officers are responsible for budget planning and management. Clubs are available for students with varying interests. Equestrian Club, Outdoor Club, International Relations Club, Foreign Language clubs, International Student Association, major and departmental clubs are examples of the more than 40 active clubs. Students are encouraged to form new clubs when there is sufficient interest.

Fraternities and sororities constitute important social groups for upperclass men and women on campus. There are five fraternities and three sororities that are nationally affiliated. Their membership constitutes approximately 35% of the student body. Representatives from each serve on agencies which coordinate fraternal affairs and activities.

Fraternities represented are Alpha Sigma Phi, Beta Theta Pi, Delta Tau Delta, and Phi Kappa Tau. Sororities are Alpha Xi Delta, Phi Mu, and Zeta Tau Alpha.

The D. Duane and Suzi Cummins Community Center, provides a place for students, faculty, and staff to go for a workout in the 24-hour fitness facility or to gather for conversation and relaxation. It also houses the Bethany College Department of Safety and Security.

In the past few years, Bethany programs centering on international business, American business, and American politics, have brought an array of distinguished speakers and visitors to the campus to meet with students and faculty.

Other activities on campus that are well supported by student participation include theatre, a variety of musical groups, intercollegiate and intramural sports, and student-run clubs. The campus media (an online campus newspaper, a magazine, a literary magazine, an internet radio station, and a cable TV station) command much student interest and involvement.

Student Government

The Student Government Association, comprised of representatives from all recognized student organizations, manages a substantial budget and disburses funds for student activities and clubs. Students are appointed to some College committees.

Student Health Services

The Robert C. Byrd Health and Wellness Center serves students, faculty, staff, and the community. The student health facility is open and staffed by a nurse on a regular basis. In addition, a doctor is at the health center to see students at specified hours each week.

The college health services are maintained by student fees and all students are entitled to health services at no additional cost. These services include access to nurses and a physician. A charge may be assessed to the student for diagnostics, medical durables, or some medications. These charges may be paid directly by the student or billed to the student's account.

Bethany provides medical, surgical, and hospitalization insurance. All students are automatically included in the coverage from August 10 to August 9 and are charged accordingly unless the appropriate waiver is forwarded to the Business Office.

Expenses for outside consultation and treatment are the responsibility of the student in all cases when not covered by insurance.

All students are required to submit a completed physical and medical history, including immunization dates, before matriculation.

Bethany College strives to educate and provide services for its students on alcohol and other substance use and abuse issues. These efforts are continually refined and improved based on national research, trends, and current information. These efforts are under the leadership of the Dean of Students in coordination with the Health and Wellness Services Staff, Counseling Staff and off-campus certified Alcohol and Substance Abuse Counselors. Efforts include community-wide educational workshops, support groups, and intervention for those in jeopardy.

Student Safety

The Department of Safety and Security is available 24 hours a day every day of the year, and can be reached at 304-830-3924 or 304-829-7744. After hours security escorts are available upon request. In addition, the Office of Student Life maintains an on-call hotline at 304-830-3933, which is available 24/7 during the school year. The Title IX office deals with the entire spectrum of campus sexual misconduct, including sexual harassment, stalking, relationship violence, and sexual assault, by providing sexual misconduct awareness and prevention education, investigating and resolving campus sexual misconduct complaints, and assisting students with contacting off-campus resources, including the police. Please see *The Bethany College Policy Manual, Vol. VII. Student Life Policies* for more on campus safety.

Student Regulations

The Bethany College Policy Manual, Vol. VII, Student Life Policies contains a complete description of the regulations pertaining to housing, dining facilities, health services, motor vehicles, use of alcoholic beverages, eligibility requirements, and other areas of student life. However, applicants for admission should know the following in advance:

- The College expects and enforces lawful behavior in all matters. Particular emphasis is placed upon respect for the rights of others and upon other principles of good citizenship.
- Bethany College is a residential college and, as such, all students are required to live in College owned housing or for members of Beta Theta Pi in their privately owned fraternity house. Residential students are expected to be on a board plan. Exceptions may be made if one or more of the following conditions apply:
 - * The student commutes from the address of parents or legal guardians.
 - * The student is a tenth semester senior.
 - * The student is participating in student teaching or academic internship (only during the applicable semester).
 - * The student is 25 years of age or older.
 - * The student is married or has a dependent child or children.
 - * The student has a serious medical condition necessitating alternative dining conditions (validated by the Director of Health Services).
 - * The student is registered on a part time basis (under 12 credit hours).
- All students (except commuters) are required to board in the College dining facilities unless excused by the Department of Student Life. There are three meal plan options to accommodate the diversity of students' tastes. No refunds are granted for missed meals.
- Students are permitted to bring automobiles to campus, provided they submit the appropriate registration documents and fees to the Bethany College Security Office and follow all parking regulations.
- Violations of Bethany College policies and the expectations of conduct stated in the Code of Student Conduct are handled by the Dean of Students in accordance with the Due Process procedures outlined in the Code of Student

Conduct. The Code of Student Conduct may be found in the *Bethany College Policy Manual, Vol. VII, Student Life Policies*.

- A Special Withdrawal Policy exists to allow Bethany College to take action if a student experiences serious physical or emotional problems that may be potentially dangerous and/or life threatening. In order to protect the student and the Bethany community, the College reserves the right to take appropriate action under such circumstances.

Graduate Program

Master of Arts in Teaching

This program is designed for in-service teachers with baccalaureate degrees in Education who already have initial certification. This program will provide those individuals who enroll in the program with a means to obtain a Master's degree and fulfill requirements for continuing professional development. The program also provides a non-certification pathway for individuals whose objective is to utilize their undergraduate degree and previous work experiences in an administrative or support position.

Details of the program, including Program Goals, Admission Criteria, and Requirements for Degree may be found in the Master of Arts in Teaching section of this *Catalogue*.

Bethany College also participates in Dual Degree Masters Programs with Carnegie Mellon University and Duquesne University, for additional information see the section on the Dual Degree Programs in this *Catalogue*.

Application for Graduate Program

An applicant for admission to the Bethany College MAT graduate program must possess a baccalaureate degree from an American college or university accredited by one of the recognized regional accrediting associations, or the equivalent from an international college or university.

The ordinary standard for regular admission to the MAT program is an undergraduate GPA of at least 2.75 (on a 4.0 scale). Students falling below this level may submit other evidence of their ability to successfully complete a graduate program. Applicants may be admitted to the Bethany College MAT graduate program in one of the following categories:

Regular Admission: Applicants are admitted under this category when they have satisfied the admissions criteria detailed above.

Conditional Admission: Applicants are admitted under this category when they have a marginal undergraduate record. Applicants will be permitted to take a maximum of six graduate credits in this admission category. Upon completion of six graduate credits, a conditionally admitted student will either be admitted or denied admission into the MAT program based on his/her performance.

Provisional Admission: Applicants who do not meet all of the criteria for Regular Admission, but show reasonable promise for success in the MAT program, may be admitted provisionally. Students will be permitted to begin graduate studies while completing admissions deficiencies.

Graduate Program Expenses, Aid

Charges and fees stated on the following pages apply only to 2017-2018 academic year.

Schedule of Charges 2017-2018

Description of Charge or Fee	
Fees included in Tuition line on bill:	
Tuition — Graduate Program	\$ 450 per credit
Tuition — Special Programs	\$ 390 per credit
Technology	\$ 21.25 per credit
Administrative Fee	\$ 25 per semester/term
Course Fees (see Catalogue for listing)	Course-dependent
Residential Life:	
Campus Housing	\$ 2,475 - 2,675 per semester
January/May Term Housing	\$ 50/week
Meal Plans:	
Board (17 Meal Plan + \$50 Flex)	\$ 2,535 per semester
January/May Term Board	\$ 165/week

Most Common Miscellaneous Fees & Fines (Not all-inclusive, please see online Catalogue and Policy Manual for complete fee listings.)	
Vehicle Registration Fee	\$ 150 annually (non-refundable after the start of the academic year)
Laundry Fee	\$ 60 per semester
Transcripts (official and student issued)	\$ 10 per transcript
Early Arrival (non-required)	\$ 50 per day
Returned Check Fee	\$ 30 per occurrence
Parking and Library Fines	Varies by infraction (see Policy Manual, Vol.VII, Student Life Policies)
Payment Plan Application Fee	\$ *To be determined*
Late Registration Fee (non J-term)	\$ 150 see academic calendar in Catalogue for deadlines

Billing Information and Dates

Students are expected to register at the times and places announced. Registration is not considered complete until all charges have been paid or arrangements for payments have been made.

Billing/Payment Dates

Term	Billing Date	Due Date	Notes
Fall Semester 2017	July 10, 2017	August 1, 2017	\$250 Late Payment Fee. <i>Registration is not complete until payment or payment arrangements have been made.</i>
Spring Semester 2018	December 4, 2017	January 8, 2018	

Refund Policies

Withdrawal or cancellation **must** be in writing to the Office of Student Life. A withdrawal form with all necessary signatures must be obtained. Oral requests for refunds will not be acted upon.

- **Tuition, Room and Board** will be refunded: 100% if officially withdrawn or cancelled prior to the first day of classes; 90% in the first week of the term; and no refund thereafter. For terms less than the standard 15 weeks but at least six weeks, these refund periods will be adjusted proportionally. For terms less than six weeks, no refunds are applicable after the first day of class.
- **Discipline** – In case of dismissal for breach of college disciplinary rules, no refund will be given.
- **Deposits** – Refundable deposits will first be applied against any outstanding balance. If the outstanding balance exceeds the refundable deposits, the student will not be entitled to the refund of such deposits.
- **Appeals** – Appeals to the refund policy due to unusual circumstances should be in writing to the Chief Financial Officer, and must include documentation and proof of the unusual circumstances.
- **Title IV Financial Aid Recipients** – Consult with Financial Aid to determine the financial impact of planned withdrawals and/or changes in course of study. Students withdrawing before completion of 60% of the term will result in return of funds in the following order until the total amount of the college's responsibility has been satisfied: Unsubsidized Federal Direct Stafford Loans; Subsidized Federal Direct Stafford Loans; Perkins Loans; Federal PLUS Loans; Federal Direct PLUS Loans; Federal Pell Grants; FSEOG; and other Title IV assistance.

Full Time Status

A graduate student's status as full- or part-time is determined by the number of graduate credits the student carries in a semester. Nine graduate credits per semester is the minimum number of credits a graduate student may carry to be considered a full-time graduate student. Please consult the Office of Business/Finance for costs associated with full-time status.

Unpaid Accounts

Any fees, fines, or miscellaneous payments not received by due dates may result in the student being administratively withdrawn from the College. Future registrations will not be allowed, nor will grades, diplomas, certificates, or transcripts be provided until such balance is paid. Re-instatement to the College will require payment of all amounts due, in addition to compliance with the usual re-admission procedures. The student is responsible for all collection agency fees, attorney fees, court costs, and any other costs necessary for the collection of past due accounts. Students whose accounts are assigned to collection may have their credit adversely affected, and may have difficulty in obtaining credit in the future.

College Facilities

Buildings

Nearly 40 academic, administrative, and residential buildings are located on the 1,300-acre campus. The principal academic structures are listed below.

Bethany House (1948) houses the Office of Student Life, Center for Enrollment, Department of Business and Communications and Media Arts, and the Renner Art Gallery.

Robert C. Byrd Health and Wellness Center (2001) is a collaborative partnership of Bethany College and the Brooke County Health Department. It offers medical services, public health information and services, and wellness activities for the College and the community.

Commencement Hall (1872) provides the setting for convocations, concerts, lectures, dramatic presentations, and numerous summer weddings. During 1983-1984, the Hall was restored to its original state.

Cramblet Hall (1905) was constructed through a gift from Andrew Carnegie. Originally the library, it was remodeled in 1961 to house administrative offices. It is named in honor of two presidents of the College, Thomas E. Cramblet and his son, Wilbur Haverfield Cramblet.

Hummel Field House (1990) provides physical education facilities for men and women and is home to the College's basketball and volleyball teams. Formerly Alumni Field House (1948), the building was extensively renovated during 1989-1990. Adjacent to the field house are football, soccer, and softball fields, and a quarter-mile track. The **Nutting Gymnasium** is housed within Hummel Field House.

Judith R. Hurl Education Center (2008), formerly the Bethany Public School (1924), accommodates laboratories, offices, and classrooms for the Education and Physical Education Department. The building, a gift of Dr. Rodney Hurl, a 1952 graduate of Bethany College, was named in honor of his late wife, Judith R. Hurl.

Grace Phillips Johnson Visual Arts Center (1984) offers facilities for television, painting, sculpture, and design. The Sandra Weiss Berkman Studio for Ceramic Arts is attached to the Center. The building was formerly Irvin Gymnasium (1919).

Thomas Phillips Johnson Recreation Center (1994) includes the **John J. Knight Natatorium**, **Sandwen Arena**, racquetball courts, body building facilities, locker rooms, an indoor track, and a general purpose floor that accommodates a number of sports, including basketball, volleyball, and tennis. This building was designed to support general recreation and intramural athletics.

Kirkpatrick Hall of Life Sciences (1999), formerly Oglebay Hall (1912), accommodates laboratories and classrooms for the Biology and Psychology departments. The building, a gift of Earl W. Oglebay of the class of 1869, was renovated and restored in 1998-1999 and renamed the Kirkpatrick Hall of Life Sciences, honoring Forrest H. Kirkpatrick of the class of 1927, long-time professor and dean of the College.

Oglebay Stables (2012) is located ten miles from the campus and serves as the home for the equine studies program and Equestrian Club. The Center is operated under a cooperative contract arrangement.

Old Main (1858) is the centerpiece of Bethany's academic buildings. Its tower dominates the campus and is the chief architectural feature noted as one approaches the College. Old Main is listed in the National Register of Historic Places. The building is one of the earliest examples of collegiate Gothic architecture in the United States. Old Main was designated a National Historic Landmark in 1990. The **Aleece Gresham Gardens** were placed in front of Old Main in the summer of 1998.

T. W. Phillips Memorial Library (1959) serves as the hub of an academic information network that provides the campus with over 250,000 items locally (books, periodicals, newspapers, audiovisuals, archival materials) and access to information through online subscriptions to ProQuest Direct, Lexis-Nexis Universe, JSTOR, Britannica Online, and many other sources. The Library is home to the Mary Cutlip Center for Library and Information Technology Services, which provides technical and information services in both traditional library and digital forms. The Center for Campbell Studies, housed in the Library, contains books, periodicals, letters, paintings, photographs, and museum pieces related to Bethany's founder and first President Alexander Campbell. The Upper Ohio Valley Collection, which includes books, magazines, maps, pictures, and ephemera focusing on the nine counties in West Virginia, Pennsylvania, and Ohio surrounding Bethany, is also located in the Library.

Richardson Hall of Science (1964) provides facilities for the chemistry, computer science, mathematics, and physics programs; two computer labs; and the Math Science Community Learning Center. It is named for Robert Richardson, Bethany's first science professor.

David and Irene Steinman Fine Arts Center (1969) provides facilities for music and theatre. A fully equipped theatre occupies the central portion of the building. Teaching studios, studio-classrooms, rehearsal rooms, costume construction facilities, a general rehearsal room for the larger vocal and instrumental groups, and individual practice rooms support instruction in music and theatre.

Academic Departments

Biology

The Department of Biology offers majors in Biology, Biochemistry, Biology Education, and Environmental Science. Minors are available in Botany, Environmental Biology, and Zoology.

Faculty

William T. Hicks. *Professor of Biology; Chair*

John T. Burns. *Professor of Biology*

Anthony G. Polsinelli. *Visiting Assistant Professor of Biology*

Amanda B. Stewart. *Associate Professor of Biology*

Program Goals for Biology

The Biology program at Bethany College is designed to achieve the following goals for its students:

- To improve and develop writing, oral, and reading skills in scientific communication.
- To experience, develop, and demonstrate an understanding of the scientific method as an approach to problem solving.
- To prepare students for professional and graduate schools and for employment in science related fields.
- To help students see their place in the evolution of living things and to understand the taxonomy and ecology of living things and the student's place in the world of living organisms.
- To provide students with the opportunity to learn basic knowledge from the broad field of Biology.

Requirements for Major in Biology

All students majoring in Biology must complete a minimum of 44 credits in courses in Biology including BIOL 100, 108, 180, 290, 308, 378, 379, 477, 478, 490, 495, and those listed below. All students majoring in Biology must also complete PHYS 201, 202; CHEM 101, 102, 211, and 212; and one of the three following tracks:

Biology Track: BIOL 326; two courses from BIOL 341, 343, 351, 425; one course from BIOL 300, 338, 440, or 442.

Biochemistry Track: BIOL 320, 341 or 343, 351, 352; 8 credits of calculus.

Biology Education Grades 9-12 Track: BIOL 168, 169, 221, 310, 326, 341, 343; GENS 480. The following courses must be completed prior to student teaching: BIOL 100, 108, 168, 169, 180, 290, 308; GENS 480. In addition, one of the following courses must be taken to fulfill the Liberal Arts Core requirement in Mathematics: MATH 105, 201, 202, 281. Only Biology majors who have completed all courses in the track and the courses in the Professional Education Requirements described in the Education section of this *Catalogue* and on the department's website or in the resource area in the College's courseware solution will be recommended for certification to teach Biology in secondary school.

A semester of calculus and statistics is highly recommended. Students with a special interest in botany should elect BIOL 338 as the course from BIOL 300, 338, 440 and BIOL 442; BIOL 102, 228, and 326 are strongly recommended.

Requirements for Interdisciplinary Major in Environmental Science

The department administers the faculty-initiated interdisciplinary major in Environmental Science. Requirements for the major appear in the listings of the Interdisciplinary Studies section of this *Catalogue*.

Requirements for Minors in Biology

Botany: BIOL 100, 108 or 110, plus eight credits from BIOL 102, 228, 326, 338.

Environmental Biology: BIOL 100, 108, either 221 or 326, 228, 231.

Zoology: BIOL 100, 180, 308, and four credits from 425, 440, or 442.

Biology Courses

BIOL 100 **Modern Concepts in Life Science**

4 credits

This course is an introduction to modern concepts of cell biology, metabolism, photosynthesis, nutrition, reproduction, heredity, evolution, behavior, and ecology, emphasizing the process of acquiring biological knowledge. Consideration is given to social and ethical implications of biological issues.

BIOL 102 **Horticultural Science**

3 credits

This course is an examination of the scientific concepts on which horticulture is based. Emphasis is placed on the study of the plant, the basis of all horticulture activities. The subject of hydroponics is considered, and plants are grown hydroponically in the green house.

- BIOL 105 Introduction to Animal Science 1 credit**
This course is an introduction to the handling and management of animal species, with an emphasis on large animals. Largely lab-based, topics include the wide variety of management and husbandry techniques, including working safely around large animals, health management, and basic records management.
- BIOL 107 Human Biology 4 credits**
The study of Human Biology including elements of cell biology, genetics, anatomy and physiology, disease, immunity, evolution, ecology, and the impact of humans on the environment. *Not open to Biology majors.*
- BIOL 108 Botany 4 credits**
This course provides a comprehensive overview of plants, including diversity, evolution, anatomy, physiology, and ecology with an emphasis on experimentation and scientific writing.
- BIOL 110 Plants, People, and Environment 4 credits**
This course is a study of plant life, including the evolution of the various groups of plants, and an introduction to the morphology and anatomy of vascular plants, plant genetics, and the functional life processes of plants. Some economic and ecological problems such as world climate change are also examined.
- BIOL 115 Biology of Women 3 credits**
A study of human biology, anatomy, and physiology with an emphasis on the biology of women and their gender-based health and wellness issues.
- BIOL 168 Introduction to Mammalian Anatomy and Physiology I 3 credits**
This course is a study of mammalian anatomy as exemplified in the cat. Included are discussion and study of the following: the functioning of cells and the integumentary, skeletal, muscular, nervous, sensory, and endocrine systems; lab study of the anatomy of the cat; human physiology. *Not open to Biology majors.*
- BIOL 169 Introduction to Mammalian Anatomy and Physiology II 3 credits**
This course is a study of mammalian anatomy as exemplified in the cat. Included are discussion and study of the following: the functioning of the cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems; lab study of the anatomy of the cat; human physiology. *Not open to Biology majors.*
- BIOL 180 Invertebrate Zoology 4 credits**
This course is a structural, functional, and evolutionary study of the major invertebrate phyla.
- BIOL 205 Emergency Medical Training 3 credits**
This course studies medical, communication, and transportation records and report instructions as required for certification by the West Virginia Department of Health for emergency medical technicians. (Red Cross advanced first aid certificates may be earned by those passing the examination.)
- BIOL 221 Introduction to Environmental Science 3 credits**
This course is a study of processes of the lithosphere, hydrosphere, biosphere, and atmosphere, and of the human impact on the environment. Included are the consideration of ethical problems related to the environment and a review of environmental laws and government agencies.
- BIOL 228 Field Botany 2 credits**
This course is an introduction to the taxonomy of vascular plants, with emphasis on the local flora and on the techniques of herbarium science.
- BIOL 231 Ornithology 3 credits**
This course is a study of the anatomy, behavior, and identification of birds.
- BIOL 250 Biological Rhythms 2 credits**
This course is a study of circadian and other rhythms in living organisms including humans. Emphasized are the physiological and behavioral aspects of rhythms.
- BIOL 251 Endocrinology 3 credits**
This course is a study of various endocrine glands and their hormonal regulations of diverse physiological functions in health and disease.
- BIOL 268 Human Anatomy and Physiology I 4 credits**
This course is a study of human anatomy and physiology, including histology, integumentary, skeletal, muscular, nervous, sensory, and endocrine systems. Laboratory study includes the anatomy of human and cat.
- BIOL 269 Human Anatomy and Physiology II 4 credits**
This course is a study of human anatomy including the structure and functioning of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Laboratory study includes of the anatomy of the cat and human.

- BIOL 270 Human Nutrition 3 credits**
This course is a study of the nutritional requirements in humans. Topics discussed include comparative physiology of the digestive systems of domesticated animals, impact of nutrition on human health, nutrient biochemistry and metabolism, and nutritional management.
- BIOL 280 Animal Nutrition 3 credits**
This course is a study of the nutritional and feeding requirements of domesticated species. Topics discussed include comparative physiology of the digestive systems of domesticated animals, nutrient categories, basic ration formulation, including uses of concentrates, nutrient supplementation, and forages.
- BIOL 290 General Genetics 4 credits**
This course is a synthesis of basic genetic principles and modern molecular theory.
- BIOL 291 Animal Genetics and Breeding 3 credits**
This course is a study of the application of genetic and breeding principles to production of domesticated species. Genetic and environmental bases of variation and methods in quantitative genetics are discussed. Emphasis is placed on the utilization of selection and mating systems and planned breeding programs.
- BIOL 300 Immunology 4 credits**
This course provides an overview of the immune system, including its activation, effector mechanisms and regulation, and examines the impact of the immune system on areas such as infection, organ transplantation, cancer, and auto-immune disease.
- BIOL 308 Comparative Vertebrate Anatomy 4 credits**
This course compares the anatomy of representative forms of vertebrates and includes laboratory study of the comparative anatomy of the shark, other lower vertebrates, and the cat.
- BIOL 310 Evolution 2 credits**
This course is an examination of evidence for the theories of evolution with special attention to the modern synthesis of genetic and ecological factors. Also considered are the implications of evolution for religious thought. *Prerequisite: An elementary course in Biology or permission of the instructor.*
- BIOL 320 Physical Chemistry I with Biological Applications 4 credits**
This course is an introduction to the nature of thermodynamics and kinetics including equilibrium and rate transport processes. The focus is on applications of physical concepts to systems, especially those of biochemical and biological interest. Studies of chemical and phase equilibria are investigated thoroughly, and kinetic processes including Michaelis-Menton kinetics as well as transition state theory complete the course. (This course may be taken for credit as CHEM 320.) *Prerequisites: CHEM 212 and MATH 202 or permission of the instructor.*
- BIOL 326 Ecology 3 credits**
This course is a study of the general principles of ecology of microorganisms, plants, and animals. Special emphasis is on field study of several communities.
- BIOL 338 Plant Anatomy and Physiology 3 credits**
This course is an examination of morphology and anatomy of the vascular plants and a study of the fundamental life processes of plants: growth; reproduction; irritability; metabolism; and hormonal control.
- BIOL 341 Cell Biology 4 credits**
This course is an introduction to the structure and physiology of the eukaryotic cell.
- BIOL 343 Microbiology 4 credits**
This course is a study of morphology and physiology of microorganisms, principles of lab technique, and cultural characteristics and environmental influences on microbial growth.
- BIOL 351 Molecular Biology and Biochemistry I 4 credits**
This course is an introduction to the structural organization and chemical composition of cells and to fundamental chemical processes carried on inside organelles. Included are enzymatic action, transport across biological membranes, and basic metabolic pathways as they relate to cell structure. The laboratory focuses on current techniques for the isolation and analysis of basic biomolecules and on some practical applications of enzymology. (This course may be taken for credit as CHEM 351.) *Prerequisites: CHEM 211, 212.*
- BIOL 352 Molecular Biology and Biochemistry II 4 credits**
This course is an introduction to the biosynthesis of biomolecules, gene expression and control, and recombinant DNA technology. The laboratory focuses on current techniques for probing biochemical reactions and for isolating and engineering DNA. (This course may be taken for credit as CHEM 352.) *Prerequisites: BIOL 351 or CHEM 351.*
- BIOL 378 Junior Seminar I 1 credit**
This course studies theory and practice of selected methods in biological instrumentation, research, and evaluation of data. Special emphasis is on those methods not covered in other courses in the department and on methods helpful for the completion of the senior project.

BIOL 379	Junior Seminar II	1 credit
Students prepare a proposal for senior project research.		
BIOL 425	Animal Physiology	4 credits
This course is a study of the structure and functions of the human body and of the mechanism of bodily movements, responses, reactions, and various physiological states.		
BIOL 440	Histology	4 credits
This course is a study of animal tissues.		
BIOL 442	Embryology	4 credits
This course is a study of the ontogenetic development of selected embryos. Primary emphasis is on the vertebrates.		
BIOL 477	Senior Seminar I	1 credit
This course is an introduction to the literature of the biological sciences, including both research papers and review articles, and to the basics of scientific writing.		
BIOL 478	Senior Seminar II	1 credit
This course emphasizes polishing the skills useful to the student who is in the process of finishing the written portion of the senior project. When possible, the student makes an oral presentation of the senior project and completes a paper or reviews an article for publication.		
BIOL 487-488	Independent Study	2-4 credits
BIOL 490	Senior Project	2-3 credits
The senior project is begun in the second semester of the junior year and completed in the spring semester of the senior year. It generally is a research project developed with a faculty member.		
BIOL 495	Comprehensive Exams	
This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).		

Business

The Department of Business offers majors in Accounting, Finance, International Business, Management, and Marketing. Minors are available in Accounting, Finance, Management, and Marketing. Additionally, a CPA Preparation Certification Program is offered.

Faculty

Anju Ramjee. *Professor of Business and Finance; Chair*
 William A. Fletcher. *Visiting Assistant Professor of Business*
 Virgil G. Thompson. *Associate Professor of Accounting*

Accounting

Accounting Major Goals

The Accounting major at Bethany College is designed to achieve the following goals:

- Enhance students' understanding of generally accepted accounting principles.
- To help students gain an understanding of auditing theory and practices, business cost analysis, issues of personal income taxation, and elements of contract law.
- To help students develop an understanding of the proper use of journal entries and valuation methods and rules throughout the accounting cycle.

Requirements for Major in Accounting

Students pursuing a major in accounting are required to complete the following: ACCT 202, 203; BUSI 222; ECON 162, 163; MATH 281, 282; and either BUSI 205 or MATH 201. All of the 200-level courses listed above should be completed by the end of the sophomore year.

In addition to the courses listed above, students majoring in accounting must complete the following business core courses: ACCT 332, 478; BUSI 310, 311, 312, 482; and are required to complete the following accounting major specific courses ACCT 313, 314, 350, 361, 425, 435, 481, 495; BUSI 422; ECON 280; and a Senior Project in Accounting (ACCT 490). It is strongly recommended that students majoring in Accounting also take ACCT 480.

Requirements for Dual Major in Computer Science and Accounting

With the increased use of computers in accounting, this major is designed for students who have strength in computer science and interest in the application to accounting.

Bachelor of Arts Degree: ACCT 202, 203, 313, 314, 332, 350, 361, 425, 435, 480; BUSI 222, 312; CPSC 151, 152, 205, 210, 275, 277, 373, 380, 477; ECON 163; MATH 201, 281, 282; ACCT or CPSC 495; and a three-credit senior project. Strongly recommended courses are BUSI 482; CPSC 320; ECON 162; MATH 106, 202, 354.

Requirements for Minor in Accounting

ACCT 202, 203, 350, 425; BUSI 222; ECON 163, MATH 281, 282 (*MATH 281 is a prerequisite for BUSI 222.*)

CPA Preparation Certificate Program

The CPA Preparation Certificate Program gives the student the necessary courses and credits to be eligible to sit for the CPA Examination in West Virginia. This certificate is designed to meet state standards for the West Virginia State Board of Accountancy exam. Additionally students may also be in a position to meet the educational requirements for the CMA exam. The exam can be taken before all of the 150 credits are completed so long as all of the required courses have been taken.

However, to be awarded a CPA, the student must:

- meet the 150 credits of class time
- pass the CPA Examination
- have one year of experience in field

Students must apply for entry into the CPA Preparation Certificate Program. The application is waived for students who hold a bachelor's degree in Accounting from Bethany College.

To receive the certificate a student must take all of the following courses and meet the 150 credit requirement. Courses in Accounting required for the certificate include the following: ACCT 202, 203, 313, 314, 332, 350, 361, 425, 435, 480, 481, 483, two credits in electives. (Note: Those holding a bachelor's degree in Accounting from Bethany College will have already completed all of the above except ACCT 483 and 480 as part of their degree requirements.) In addition, students must also complete the following courses in Economics and Business BUSI 310, 311, 312, 482; ECON 163; MATH 281; (Note: Those holding a bachelor's degree in Accounting from Bethany College will have already completed all of the above); 12 credits of business related courses chosen from BUSI 222, 316; ECON 162, 280, 302, 350. (Note: Those holding a bachelor's degree in Accounting from Bethany College will have already completed BUSI 222, ECON 162, 280.) Finally students must maintain at least a 2.0 GPA in the courses taken while participating in this program, with a minimum of 15 credits taken at Bethany College.

Accounting Courses

ACCT 202 Financial Accounting

3 credits

Financial Accounting provides an introduction to the accountant's role in the business environment and to the fundamental principles necessary to process and use financial information, including preparation of financial statements and financial statement analysis.

ACCT 203 Managerial Accounting

3 credits

Managerial Accounting introduces students to the organizational role of accounting information, the techniques available to provide that information, and the benefits and limits of the information provided by the various techniques in response to the manager's needs. *Prerequisite: ACCT 202.*

ACCT 313 Intermediate Accounting I

3 credits

Intermediate Accounting I is a study of the theoretical foundation of accounting concepts and an extensive study of the practical application of generally accepted accounting principles. Students use problems, case studies, and computer assignments to attain an understanding of these topics. *Prerequisite: ACCT 202.*

ACCT 314 Intermediate Accounting II

3 credits

Intermediate Accounting II is a continuation of ACCT 313. *Prerequisite: ACCT 313.*

ACCT 332 Business Law I

3 credits

Business Law is an introduction to the nature and development of common law and of the Uniform Commercial Code. Included is the study of contract law, business aspects of criminal law, ethical aspects of legal issues, and issues related to partnerships and corporations. (This course may be taken for credit as BUSI 332.)

ACCT 350 Income Tax Accounting

3 credits

This course is a study of federal income tax principles for individuals and corporations. Emphasis is on income, exemptions, deductions, credits, capital gains, and losses.

ACCT 361 Financial Auditing I

3 credits

Financial Auditing introduces students to auditing principles and procedures, in both internal and external environments, as they are used to determine the fairness of an organization's assertions. Students use audit cases and computer assignments to attain an understanding of these topics. *Prerequisite: ACCT 313.*

- ACCT 425 Cost Accumulation and Control 3 credits**
 Cost Accumulation and Control is a study of cost accumulation systems; job order and process; cost controls; flexible budgets and standard costs; and cost, volume, profit relations. *Prerequisite: ACCT 203.*
- ACCT 435 Advanced Accounting 3 credits**
 Advanced Accounting introduces students to advanced accounting topics addressed by FASB and GASB pronouncements. Students use problems, case studies, and computer assignments to attain an understanding of these topics. *Prerequisite: ACCT 314.*
- ACCT 478 Seminar in Accounting 3 credits**
 The Seminar in Accounting is a capstone course integrating the student's previous work in accounting and economics. The course includes focused writing instruction for preparation of accounting reports. *Prerequisite: Senior standing in Accounting.*
- ACCT 480 Computerized Accounting Applications 1 credit**
 This course is an introduction to the use of accounting software packages in the accounting profession. Students will learn either Peachtree, QuickBooks, or other dedicated accounting software packages.
- ACCT 481 Business Law II 3 credits**
 This course is a continuation of Business Law I. Topics include: Commercial; Real and Personal Property; Bailment; Landlord and Tenant Relations; Wills Intestacy and Trusts; Intellectual Property; Computer Privacy and Speech; Employer-Employee Relationship; Employment Law; Product Liability; Professional Liability, International Business Law; and, Contract Interpretation. (This course may be taken for credit as BUSI 481.) *Prerequisite: ACCT/BUSI 332.*
- ACCT 483 Financial Auditing II 3 credits**
 This course introduces students to the overall audit plan and audit program, application of the audit process to the sales and collection cycle, acquisition and payment cycle, payroll and personnel cycle, inventory and warehouse cycle, capital acquisition and repayment cycle, and cash balances including analytical procedures and tests of internal controls related to the various audit cycles. *Prerequisite: ACCT 361.*
- ACCT 487-488 Independent Study 3 credits**
- ACCT 490 Senior Project 2 credits**
 The Senior Project is open only to students with a major in Accounting. Students prepare and present a senior project. The topic for the senior project must be approved by the advisor of the accounting program.
- ACCT 495 Comprehensive Exams**
 This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Business

Finance

Finance Major Goals

For the Finance major the goal is to enhance one's ability and competence in relating business and financial concepts, functions, and policies to each other in order to solve problems and analyze policies. The major will:

- Enhance a student's understanding of financial concepts and strategies.
- Enhance a student's understanding the interrelationships of implicit and explicit elements of economics, business and finance.
- Enhance a student's ability to analyze and solve problems.

Requirements for Major in Finance

Students pursuing a major finance are required to complete the following: ACCT 202, 203; BUSI 222; ECON 162, 163; MATH 281, 282; and either BUSI 205 or MATH 201. All of the 200-level courses listed above should be completed by the end of the sophomore year.

In addition to the courses listed above, students majoring in finance are required to complete the following business core courses BUSI 310, 311, 312, 332, 478, 482, 495; and are required to complete the following finance major specific courses ACCT 350, 425; BUSI 300, 308, 316, 325, 371, 422; ECON 301; and a Senior Project in Finance (BUSI 490). It is strongly recommended that students majoring in Finance also take BUSI 481.

Requirements for Minor in Finance

ACCT 202; BUSI 300; ECON 163; and three courses from the following: BUSI 312, 316, 325, 371.

International Business

International Business Major Goals

For the International Business Major the two major goals are understanding the area of international business and development of understanding about international business perspectives. The major will:

- Enhance a student's understanding of the global marketplace
- Enhance a student's understanding of how international factors affect the domestic market
- Enhance a student's comprehension of issues pertaining to expanding business abroad
- Enhance a student's understanding of the institutions that impact and shape the global marketplace
- Enhance a student's ability to analyze the global business environment

Requirements for the Major in International Business

Students pursuing a major in International Business are required to complete the following pre-business courses: ACCT 202, 203; either MATH 281 or PSYC 205; and ECON 162, 163. All of the 200-level courses listed above should be completed by the end of the sophomore year.

In addition to the courses listed above, students majoring in International Business are required to complete the following business core courses: BUSI 310, 311, 312, 332, 478, 482, 495; and are required to complete the following International Business major specific courses BUSI 308, 371, 422; COMM 403; a Language Component (2 courses, 7/8 credit hours); Elective courses (5 courses, 15 credit hours); and a Senior Project in International Business (BUSI 490).

The Language Component requirement is two additional courses in the same language as taken to fulfill the Global Awareness Core (WLAC) requirement (beyond the 110 and 120) or two courses at the 110 and 120 level of another language (other than the one taken to fulfill the Global Awareness Core WLAC requirement).

Students will choose an area of interest from the options below. Upon selecting their area of interest they must select five Elective Courses (15 credit hours) from the list of courses under their chosen area of interest:

ASIA: (assuming the first two language courses have been fulfilled through the GAC WLAC requirement or the language requirement in the major) CHIN 320, ENGL 268, JAPN 130, JAPN 222, JAPN 321/HIST 331, HIST 101, HIST 102, HIST 330, RELS 220, RELS 224.

BUSINESS, TECHNOLOGY, COMMUNICATION & CULTURE: BUSI 322, BUSI 480, BUSI 481, BUSI 487-488, BUSI/COMM 200, COMM 206, BUSI/COMM 303, GENS 202, GENS 204, INTD 202, POLS 351, PSYC 207, PSYC 250, PSYC 287, PSYC 307, RELS 220, RELS 224, SPAN 210.

ECONOMICS, HISTORY, LAW & POLITICS: BUSI 481, ECON 113, ECON 360, GENS 202, HIST 101, HIST 102, HIST 326, HIST 327, HIST 328, RELS 352/HIST 329, HIST 330, HIST 331, INTD 202, POLS 243, POLS 253, POLS 325, POLS 351, POLS 352.

EUROPEAN UNION: (assuming the first two language courses have been fulfilled through the GAC WLAC requirement or the language requirement in the major) FREN 130, FREN 221, FREN 320, FREN 321, FREN 410, ITAL 130, GRMN 130, GRMN 220, GRMS 221, GRMN 320, GRMN 321, GRMN 420, GRMN 421, HIST 314, HIST 325, POLS 243, POLS 351, RELS 220, RELS 224, RELS 229, SPAN 130, SPAN 210, SPAN 220, SPAN 320, SPAN 410, SPAN 420, SPAN 422.

FRANCE: (assuming the first two language courses have been fulfilled through the GAC WLAC requirement or the language requirement in the major) FREN 130, FREN 220, FREN 221, FREN 320, FREN 321, FREN 410, FREN 420, FREN 421, RELS 220, RELS 224, RELS 229.

GERMANY: (assuming the first two language courses have been fulfilled through the GAC WLAC requirement or the language requirement in the major) GRMN 130, GRMN 220, GRMN 221, GRMN 320, GRMN 321, GRMN 410, GRMN 420, GRMN 421, RELS 220, RELS 224, RELS 229.

LATIN AMERICA: (assuming the first two language courses have been fulfilled through the GAC WLAC requirement or the language requirement in the major) ENGL 268, HIST 328, RELS 220, RELS 229, SPAN 130, SPAN 210, SPAN 221, SPAN 321, SPAN 330, SPAN 421, SPAN 423.

MIDDLE EAST: (assuming the first two language courses have been fulfilled through the GAC WLAC requirement or the language requirement in the major) ARBC 320, ENGL 268, FREN 130, FREN 221, HEBR 110, HEBR 120, HIST 101, HIST 102, RELS 220, RELS 224, RELS 352/HIST 329.

SPAIN: (assuming the first two language courses have been fulfilled through the GAC WLAC requirement or the language requirement in the major) RELS 220, RELS 229, RELS 326/HIST 309, RELS 337/PHIL 337, RELS 352/HIST 329, SPAN 130, SPAN 210, SPAN 220, SPAN 320, SPAN 330, SPAN 410, SPAN 420, SPAN 422.

Management

Management Major Goals

For the Management major the goal is to enhance one's ability and competence in relating managerial concepts, functions, and policies to each other in order to solve problems and analyze policies. The major will:

- Enhance a student's understanding of various management concepts and strategies.
- Enhance a student's understanding the interrelationships of implicit and explicit elements of management functions to accounting, economics, finance and marketing.
- Enhance a student's ability to analyze and solve problems.

Requirements for Major in Management

Students pursuing a major in management are required to complete the following: ACCT 202, 203; BUSI 222; ECON 162, 163; MATH 281, 282. All of the 200-level courses listed above should be completed by the end of the sophomore year.

In addition to the courses listed above, students majoring in management are required to complete the following business core courses BUSI 310, 311, 312, 332, 478, 482, 495; and are required to complete the following management major specific courses ACCT 425, 481; BUSI 287, 303, 308, 387, 422; ECON 280; elective courses (two courses, six credit hours); and a Senior Project in Management (BUSI 490). Elective courses may be selected from the following: BUSI 345, PSYC 250, PSYC 326, or any management courses offered in the summer online offerings or from an accredited university or four-year college and with the prior approval of the management advisor.

Requirements for Minor in Management

ACCT 202; BUSI 287, 308, 311, 387; ECON 163.

Marketing Major Goals

For the Marketing major the goal of the department is to enhance one's ability and competence in relating marketing concepts, functions, and policies to each other in order to solve problems and analyze policies. The program will:

- Enhance a student's understanding of various marketing concepts and strategies.
- Enhance a student's understanding the interrelationships of implicit and explicit elements of marketing functions to economics, accounting, management, and finance.
- Enhance a student's ability to analyze and solve problems.

Requirements for Major in Marketing

Students pursuing a Major in Marketing should complete the following: ACCT 202, 203; BUSI 222; ECON 162, 163; MATH 281, 282. All of the 200-level courses listed above should be completed by the end of the sophomore year.

In addition to the courses listed above, students majoring in Marketing are required to complete the following business core courses BUSI 310, 311, 312, 332, 478, 482, 495; and are also required to complete the following marketing major specific courses BUSI 203, 308, 338, 412, 413, 422; ECON 280; Elective courses (three courses, nine credit hours); and a Senior Project in Marketing (BUSI 490). Elective courses may be selected from the following or other courses as permitted by the Marketing major advisor: BUSI 200, PSYC 250, or any marketing courses offered in the summer online offerings from an accredited university or college and with the prior approval of the marketing major advisor.

Requirements for Minor in Marketing

ACCT 202; BUSI 203, 310, 412, 413; ECON 163.

Business Courses

BUSI 101 Personal Finance

3 credits

This course explores practical and realistic models and methods to manage personal finance effectively including buying and selling a house, balancing a checkbook, budgeting, negotiating, investing, insurance issues, financial planning, valuing stocks and bonds, investing for retirement, and buying insurance for property and person.

BUSI 200 Digital Media and Digital Culture

3 credits

This course provides the student with the history, structures, processes, and practices of digital media and examines the effects of technology on American and global culture. Key concepts that are integral to understanding the digital age are examined, as well as the effect of new content distribution venues like iTunes and YouTube. Various areas of digital culture are examined including the Internet, the World Wide Web, virtual community and virtual identity, social networking sites, gaming culture, and mobile technology. (This course may be taken for credit as COMM 200.)

BUSI 203 Principles of Advertising and Public Relations

3 credits

This course covers the history and principles of advertising and public relations and discusses the different fields of marketing including industry and non-profit work. Advertising and public relations' relative places in integrated media and marketing plans are also discussed. (This course may be taken for credit as COMM 203.)

- BUSI 205 Quantitative Methods for Business and Economics 3 credits**
 Quantitative Methods for Business and Economics teaches the mathematical tools from Calculus and Linear Algebra which are used in Economics and Business. Topics include derivatives, multivariate derivatives, and systems of equations applied to problems from Economics and Business. (Not be open to students who have taken MATH 201. This course cannot replace MATH 201 as a pre-requisite for MATH 202) *Prerequisites: Level IV mathematics placement, or successful completion of a Level III mathematics course; or permission of the instructor.* (This course may be taken for credit as ECON 205).
- BUSI 220 Business Applications 3 credits**
 This course is an introduction to applications utilized in making business decisions, covering the use of application software including, but not limited to, spreadsheets, databases, graphics, word processing, and computer communications. Students will develop beginning level skills with commonly used applications in order to use the computer as a tool for making strategic business decisions and will be able to make informed business decisions concerning computer generated information. *Prerequisites: Either ECON 162, ECON 163, ACCT 202 or permission of instructor.*
- BUSI 222 Research Methods in Business 3 credits**
 This course introduces elementary research methods in business and economics. The course includes the use of microcomputers in business and economics. Emphasis is on using spreadsheets to prepare quantitative research projects in business and economics. The course also covers writing quantitative reports in business and economics. *Prerequisites: ECON 163 and MATH 281 or 383 or PSYC 205. Prerequisite or corequisite: MATH 282 or 384.* (This course may be taken for credit as ECON 222).
- BUSI 287 Organizations and Human Behavior 3 credits**
 This course is a study of specific aspects of organization culture, such as motivation, conflict, power, and leadership. Focus is on improving the effectiveness of organizations by strengthening human processes. (This course may be taken for credit as ECON 287 or PSYC 287.)
- BUSI 300 Student Investment Fund 2 credits**
 This course provides students the opportunity to utilize their finance and investment knowledge to make hands-on investment decisions in managing a portfolio of approximately \$1 million. The students learn, research, and implement various aspects of fund management such as: establishing portfolio objectives and risk management; researching and analyzing the current economic and investment environment; industry sector analysis; company analysis and evaluation; assessment of risk tolerance; portfolio formation; trading and performance evaluation.
- BUSI 303 Organizational Communication 3 credits**
 This course is an examination of the principles of communication in an information society, especially in the context of business, service, and media organizations. Major organizational theories are explored from a communication perspective and examined in the context of the roles and skills needed by individuals within organizations. Examples are drawn mainly from media organizations, but the principles are applicable to all types of organizations and individuals. (This course may be taken for credit as COMM 303.)
- BUSI 308 International Business 3 credits**
 This course is an introduction to the concept of international business as a system and the theories that underlie it. Students are introduced to globalization and the cultural, economic, political and legal environment of international business. Students are exposed to the risks, challenges, and opportunities of competing in a global marketplace. Students also learn about trade relations, international finance, and legal and labor agreements.
- BUSI 308X International Business Study Abroad Lab 1 credit**
 This study abroad lab course may be repeated three times provided the lab covers a different country or city so that the course is not repeated for the same subject matter.
- BUSI 310 Principles of Marketing 3 credits**
 This course introduces the fundamental concepts that help improve marketing decision-making. The student is introduced to the language of marketing, the concepts of marketing strategy, the concepts of product development, the psychology of consumer behavior, the mix of intermediate channel members, and the role of promotion and pricing. *Prerequisites: ECON 163 and ACCT 202.*
- BUSI 311 Principles of Management 3 credits**
 This course exposes students to the general principles of the field of management, which includes planning, organizing, leading, innovating, and controlling organizational efforts. It also examines the role of ethics and the role of management within the broader social context.
- BUSI 312 Principles of Corporate Finance 3 credits**
 Principles of Corporate Finance is an exploration of corporate organizations and the planning of their financial requirements. The course includes an intensive study of cash flow, ratio analysis, budgeting, capital decision making, external financing, and corporate failure and reorganization. *Prerequisites: ACCT 202, 203; ECON 163; MATH 281.*
- BUSI 316 Financial Markets and Institutions 3 credits**
 Financial Markets and Institutions is a study of the behavior of various financial institutions with emphasis on the operation of commercial banks and the Federal Reserve System. The course also includes a review of money, interest rates, and income determination. *Prerequisites: ECON 162; MATH 281.*

- BUSI 322 Production Operations Management 3 credits**
 This course is an introduction to the concepts, issues, and practices of operations management, with an emphasis on the managerial processes utilized to provide effective operations in both goods producing and services rendering organizations. Topics to be covered include operations strategy, process design, capacity management, demand planning, resource management, operations scheduling, quality control, and project management. *Prerequisite: BUSI 311 Principles of Management.*
- BUSI 325 Investment Management 3 credits**
 Investment Management is a critical study of the various types of investment instruments and the relative merits of each. In addition, the course explores investment procedures, security analysis, portfolio theories, and portfolio analysis. *Prerequisites: ECON 162; ACCT 202; MATH 281 or permission of the instructor.*
- BUSI 332 Business Law I 3 credits**
 This course is an introduction to the nature and development of common law and of the Uniform Commercial Code. Included is the study of contract law, business aspects of criminal law, ethical aspects of legal issues, and issues related to partnerships and corporations. (This course may be take for credit as ACCT 332.)
- BUSI 338 Sport Marketing 3 credits**
 This course is a study of the concepts and specialized strategies used in marketing sport and raising funds within sport organizations. Special emphasis is on public relations. (This course may be for credit as PHED 338.) *Prerequisite: BUSI 310*
- BUSI 345 Intercultural Communication 3 credits**
 This course focuses on communication among individuals from divergent cultures. The processes by which perceptions are created, expressed, and influence interpersonal relationships are examined. Emphasis is on identifying and controlling the roles that culture plays within a wide range of communication contexts. (This course may be taken for credit as COMM 345.)
- BUSI 371 International Financial Management 3 credits**
 International Finance is a study of the balance-of-payment accounts, foreign exchange rate determination, fixed and flexible exchange rate regimes, currency futures and options, international capital flows, indebtedness, interest rates, and the international banking environment. *Prerequisites: ACCT 202 and ECON 162.*
- BUSI 387 Human Resources Management 3 credits**
 This course examines the concepts of human resource planning and development and its use in business organizations. The course examines the establishment and operation of a total human resource program including recruitment, selection, training and development, performance appraisal, incentive programs, benefit programs, role of human resource departments and the role of government on such issues. *Prerequisite: BUSI/ECON/PSYC 287.*
- BUSI 412 Integrated Marketing Communications Campaigns 3 credits**
 This course uses the integrated marketing communications (IMC) approach of utilizing appropriate advertising, marketing, personal selling, and public relations principles and practices to develop a strategic communication campaign. Students conduct research, develop goals, objectives, strategies, and tactics for a client. The campaign is presented to the client in written and audio-visual form. The campaign is evaluated. (This course may be taken for credit as COMM 412.) *Prerequisites: BUSI 310, ECON 163 or ACCT 202.*
- BUSI 413 Integrated Marketing Communications II 3 credits**
 The strategic marketing campaign developed in BUSI/COMM 412 will be implemented during this semester. Students will implement the marketing plan and then take the appropriate steps to monitor results and evaluate the effectiveness of the campaign, including meetings with the client once the campaign is concluded. (This course may be taken for credit as COMM 413.) *Prerequisites: BUSI/COMM 412.*
- BUSI 422 Intermediate Corporate Finance 3 credits**
 Financial management concepts relating to cost of capital, capital structure theory, optimal capital structure, capital budgeting techniques, dividend policy, common stock and bond issuance, hybrid financing, mergers and acquisitions. *Prerequisite: BUSI 312.*
- BUSI 478 Senior Capstone Seminar 3 credits**
 The Senior Capstone Seminar is a capstone course integrating the student's previous work in the areas of accounting, finance, management, marketing, and economics. The course includes the utilization of integrated case analysis and focused writing of reports on assigned cases. This course is for finance and management majors. *Prerequisite: Senior standing in Finance, Management, Marketing or permission of instructor.*
- BUSI 480 Topics in Business 3 credits**
 This course is intended to provide students majoring in various business disciplines topics or areas of study that are timely and not offered in the regular course offerings. These courses may cover topics in finance, management and marketing.
- BUSI 481 Business Law II 3 credits**
 This course is a continuation of Business Law I. Topics include: Commercial; Real and Personal Property; Bailment; Landlord and Tenant Relations; Wills Intestacy and Trusts; Intellectual Property; Computer Privacy and Speech; Employer-Employee Relationship; Employment Law; Product Liability; Professional Liability, International Business Law; and, Contract Interpretation. (This course may be taken for credit as ACCT 481.) *Prerequisite: ACCT/BUSI 332.*

BUSI 482 Ethics in Business **3 credits**
This course exposes students to the social and economic responsibilities of business to society by examining the critical role of ethics in business decision making and its application to key strategic business decisions.

BUSI 487-88 Independent Study **3 credits**

BUSI 490 Senior Project **2 credits**
The Senior Project is open only to students with a major in Finance, Management or Marketing. Students prepare and present a senior project. The topic for the senior project must be approved by the advisor of the finance, management or marketing majors.

BUSI 495 Comprehensive Exams
This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Communications & Media Arts

The Department of Communication and Media Arts offers a major in Communications with Specialization Tracks in the following: Integrated Media & Marketing, Digital Media and Production, Graphics, and Sports Communications. A minor is available in Communications.

Faculty

M.E. Yancosek Gamble. *Associate Professor of Communications and Media Arts, Advisor to PRSSA, SCJ and Chair*
Patrick J. Sutherland. *Professor of Communications and Media Arts, Advisor to WVBC Online Radio*
Jason K. Smith. *Assistant Professor of Communications and Media Arts, Advisor to the Tower Multimedia*

Communications & Media Arts Department Goals

The Communications and Media Arts Department at Bethany College is designed to achieve the following goals for its students:

- Demonstrate knowledge and understanding of mass media and human communication principles, processes, and practices.
- Be able to develop, conduct, report, and evaluate communication and media research.
- Demonstrate a proficiency in invention, construction, and delivery of oral and written communication and media.
- Apply communication theory and critical thinking in a variety of communication settings.
- Interpret the role of media and other communication technologies in a fast-changing global environment.
- Analyze legal and ethical responsibilities of communicators in a culturally diverse world.
- Value the roles and functions of effective and creative communication in one's personal, social, and work life.

Requirements for Major

Communication and Media Arts majors are expected to complete 48 of departmental course study. All students majoring in the department are required to complete the following courses: COMM 101, 201, 306, 311; three courses from 194, 291-292; 403, 420, 490, and 495.

In addition, all majors must complete six credits in courses offered by the English program in addition to ENGL 111, and one of the following courses: ACCT 202, ECON 162, ECON 163, PSYC 205, MATH 281, CPSC 151, SOSC 340.

All majors must also complete one of the following Specialization Tracks:

Integrated Media & Marketing: COMM 202, 203, 206, 412, 413.

Digital Media and Production: COMM 104, 200, 218, 310, 440.

Graphics: COMM 104; VISA 201, 202; and two quarters at The Art Institute of Pittsburgh.

Sports Communications: COMM 206, 250, 344; PHED 243 or 244; PHED 300 or 335; PHED 337 or 355.

Requirements for Minor

COMM 101, 201, and 15 additional credits. At least six of those credits must be 300 or 400 level courses. Courses available to minors as electives are: COMM 104, 130, 140, 160, 200, 203, 205, 206, 218, 250, 303, 306, 310, 311, 314, 330, 335, 344, 345, 346, 370, 380, 409, 412, 430, 440, 480

Communications Courses

COMM 101 Introduction to Communication

3 credits

This course examines the foundations of communication, including communication between individuals, language, and non-verbal codes and also mass media history and theory, including newspapers, radio, television, and digital media.

COMM 104 Visual Communication

3 credits

This course promotes understanding of the aesthetic, ethical, and creative principles inherent in visual communication. Films, animation, TV productions, printed and computer graphics, and photography are the sources for the analysis of perception and meaning in the visual image.

COMM 110 Digital Audio Production for Music

3 credits

This course focuses on hands-on experience in multi-track recording of musical instruments using a digital audio workstation. It also sets the stage for additional work in digital editing, mixing, and mastering techniques. (This course may be taken for credit as MUSI 110.)

COMM 160 Introduction to Film

3 credits

This is an introduction to the study of film as a cultural and technical artifact and as a form of art. The class teaches students the basic principles of film aesthetics and production to provide the skills necessary to “read” the film as art. The course also places a strong emphasis on the social context of film and the place movies hold in our culture, and introduces the general areas of study within film scholarship. (This course may be taken for credit as ENGL 160.)

COMM 194 Online Radio

3 credits

This course acquaints students with concepts, skills and strategies required for working within the online digital and terrestrial radio fields. Introduction to on-air music and journalism producing, production, and delivery of news programs and messages. *Prerequisite: Permission of the instructor.*

COMM 200 Digital Media and Digital Culture

3 credits

This course provides the student with the history, structures, processes, and practices of digital media and examines the effects of technology on American and global culture. Key concepts that are integral to understanding the digital age are examined, as well as the effect of new content distribution venues like iTunes and YouTube. Various areas of digital culture are examined including the Internet, the World Wide Web, virtual community and virtual identity, social networking sites, gaming culture, and mobile technology. (This course may be taken for credit as BUSI 200.)

COMM 201 Media Writing

3 credits

Media Writing is an intensive course in the study and practice of writing for the various media, including print, electronic, public relations, graphic design, and advertising. Students explore the ethical and legal concerns of media writing; learn basic writing, editing, and copy formats; learn to select and structure copy; develop information-gathering skills; and examine contemporary issues and concerns facing the media.

COMM 202 Digital Document Design

3 credits

This course provides students with practical experience using a variety of computer programs designed to create documents for various channels, including both digital and print publication. Students will develop and produce publications, presentations and digital documents that integrate text, art, and various graphic elements. *Prerequisite: COMM 201.*

COMM 203 Principles of Advertising and Public Relations

3 credits

This course covers the history and principles of advertising and public relations and discusses the different fields of marketing including industry and non-profit work. Advertising and public relations’ relative places in integrated media and marketing plans are also discussed. (This course may be taken for credit as BUSI 203.)

COMM 205 Principles of Graphic Design

3 credits

This course introduces basic graphic design principles and their applications. Visual perception, visual illusion, and communication impact are explored through examples and practical exercises.

COMM 206 Public Speaking and Announcing

3 credits

This course is an introduction to the dynamics of speaking in front of large audiences and also through electronic technologies. The course covers basics of vocal qualities, signals, language, argumentation and elocution for broadcasting of various types.

COMM 210 Editing, Mixing, and Mastering Digital Audio for Music

3 credits

This course is the second in a series that addresses the processes of digital audio production for music. It is designed to focus on the processes of editing, mixing, and mastering digital audio for music. (This course may be taken for credit as MUSI 210.) *Prerequisite: COMM/MUSI 110*

COMM 218 Digital Production and Performance

3 credits

This course provides the student with basic concepts and practical instruction in digital media production strategies and techniques. Intensive instruction is provided in basic digital audio and video editing with an emphasis on the student achieving an introductory level proficiency. Students are provided a primer on other digital software used for print and radio mediums, which includes limited study of speech personality variables, as well as practice in basic announcing, interviewing, microphone, and camera performance techniques.

- COMM 221 Acting for the Camera** **2 credits**
 This course investigates the basics of on-camera work, including terminology and strategies for enhancing appearance on camera. Students perform scenes and improvisational exercises and may prepare work for telecasting on the Bethany TV station. (This course may be taken for credit as THEA 221.)
- COMM 250 Multimedia Sports Production** **3 credits**
 This course introduces the student to the techniques of production of various sporting events for radio, television, pod-casting, and other converged media platforms. Results of students' work are broadcast, cablecast, or internet streamed for consumption by the Bethany community and beyond.
- COMM 275 Producing the News Magazine** **3 credits**
 An elective for production students or journalism students interested in working in news media. Students in this class will produce half-hour news magazine programs involving multiple individual pieces of 4-7 minute packages joined together by an anchor. *Prerequisite: COMM 201*
- COMM 291 Tower Promotions and Productions** **3 credits**
 This course acquaints the student with applied integrated marketing concepts and skills in both traditional and social media, required for working in the integrated media (advertising and public relations) area. *Prerequisite: COMM 201 or 203, or by permission of the instructor.*
- COMM 292 Interactive Multimedia Production** **3 credits**
 This course acquaints students with concepts, skills and strategies required for working in a digital televised, online, broadcasting areas as well as cross-platform digital production environment, and emerging media production fields. *Prerequisite: COMM 218 or COMM 250, or by permission of the instructor.*
- COMM 300 Entrepreneurial Media** **3 credits**
 The course will trace the causes and arc of these changes; examine case studies of new-media business and non-profits; bring in guest speakers who exemplify these changes; and provide a primer on the various skills needed to be successful as a journalism entrepreneur. This course also introduces students to the basics of entrepreneurship and evolving business models for media. It blends instruction in general entrepreneurship concepts with how the Internet and digital technologies are transforming media economics, using recent news and communication startups as case studies for applying entrepreneurial principles. Students will identify, develop and pitch ideas for media business; research and write a business case study; and perform skill-building exercises in business analysis and digital technologies. Local entrepreneurs will meet with the class to discuss strategies and trends.
- COMM 303 Organizational Communication** **3 credits**
 This course is an examination of the principles of communication in an information society, especially in the context of business, service, and media organizations. Major organizational theories are explored from a communication perspective and examined in the context of the roles and skills needed by individuals within organizations. Examples are drawn mainly from media organizations, but the principles are applicable to all types of organizations and individuals. (This course may be taken for credit as BUSI 303.)
- COMM 305 Feature Writing** **3 credits**
 This course encourages excellence in journalism writing by examining award-winning writing, writing newspaper and magazine features, and critiquing articles. *Prerequisite: COMM 201.*
- COMM 306 Communication Theory and Research** **3 credits**
 This course examines the relationship between communication theories and the research methods used to test them. Emphasis is on understanding theoretical tenets, their connection to the communication process and to modern media, thesis development, and research design. An examination of current communication research is conducted. *Prerequisite: junior or senior status or permission of the instructor.*
- COMM 307 Advanced Methods and Application** **3 credits**
 This is an upper level core course in the communications department required for all majors. In this junior seminar, students will learn how to execute research in the field of communication. They are instructed on how to specifically use methodological approaches used in a scholarly, scientific, and rigorously academic capacity. Students are shown how to produce an equally comprehensive artifact. It features the application of current principles within: the industry practices of traditional broadcasting, web design, social media research, digital marketing, new media promotions, and advertising and public relations campaigns for completion of a practicum. *Prerequisite: COMM 306.*
- COMM 310 Digital Reporting** **3 credits**
 This is a lecture-laboratory course focusing on the complexities and practices of gathering news for traditional media that have or are converting to digital delivery and also emerging digital media. Students are required to gather and report news/features using the digital technology across multiple platforms of distribution (i.e., radio, television, internet, telephone, etc.). *Prerequisite: COMM 201*
- COMM 311 Communication Law and Ethics** **3 credits**
 This course is a study of law and ethics as they pertain to emerging and traditional mass media and to related communication

enterprises such as advertising and public relations. Legal topics emphasized include the First Amendment, libel and slander, privacy, and prior restraint. Ethics topics include examination and application of ethics theories and practices within the framework of each student becoming an independent moral agent.

COMM 344 Sports Information Directing

3 credits

This course examines the multi-faceted activities and qualities of sports information directing, also known as sports public relations. Areas covered include image building, determining sports news, understanding various sports and the terminology used in writing sports copy, developing relationships with the media, using statistics in sports writing, understanding the importance of photography, and designing and writing sports media guides.

COMM 345 Intercultural Communication

3 credits

This course focuses on communication among individuals from divergent cultures. The processes by which perceptions are created, expressed, and influence interpersonal relationships are examined. Emphasis is on identifying and controlling the roles that culture plays within a wide range of communication contexts. (This course may be taken for credit as BUSI 345.)

COMM 346 Gender Communication

3 credits

This course introduces the major concepts of communication and gender. Emphasis is on issues of gender in language and nonverbal behavior. Communication and gender in friendships, courtship, marriage, family, education, media, and organizations are considered through the examination of real-life communication situations.

COMM 388 Electronic Media Skills for the Liberal Arts Student

1 credit

This course is intended for students seeking technical training in electronic media skills for non-professional applications. Students choose from a variety of skills, including mixing and editing audio, making video movies, and creating audio and video resources for World Wide Web sites on the Internet. The course is open to all students, except those following the Digital Media and Production track of the Communications and Media Arts major. (This is an activity course with letter grades required for Communication and Media Arts majors and CR/NCR only for others.) *Prerequisite: Permission of the instructor.*

COMM 390 Campus Media Management

1 credit

This course assists the student working as a manager for a campus media organization to develop leadership skills under the supervision of the medium's faculty advisor. Open only to managers of the campus media as determined by the faculty advisors. This course may be repeated once in the same organization and for a maximum of four credits. (This is an activity course with letter grades required for Communication majors and CR/NCR only for others.) *Prerequisite: Permission of the instructor.*

COMM 403 Globalization and International Communication

3 credits

This course examines the principles, variables, and processes involved in globalization and the international media system as well as varying practices of media production and consumption in other countries. Students will study sample countries and will research economic, political, media and cultural factors as transmitted through the media system of a foreign country. *Prerequisite: Junior or senior status or permission of instructor.*

COMM 409 Publications Photography

3 credits

This course introduces the knowledge and skills needed to produce high quality digital photographic images. Assignments include news, features, sports, portrait, and still-life imaging. Emphasis is on working within strict deadlines and creating images suitable for publication. An additional course fee is required. *Prerequisite: Permission of the instructor.*

COMM 412 Integrated Marketing Communications Campaigns

3 credits

This course uses the integrated marketing communications (IMC) approach of utilizing appropriate advertising, marketing, personal selling, and public relations principles and practices to develop a strategic communication campaign. Students conduct research, develop goals, objectives, strategies, and tactics for a client. The campaign is presented to the client in written and audio-visual form. The campaign is evaluated. (This course may be taken for credit as BUSI 412.) *Prerequisites: BUSI 310, ECON 163 or ACCT 202.*

COMM 413 Integrated Marketing Communications II

3 credits

The strategic marketing campaign developed in BUSI/COMM 412 will be implemented during this semester. Students will implement the marketing plan and then take the appropriate steps to monitor results and evaluate the effectiveness of the campaign, including meetings with the client once the campaign is concluded. (This course may be taken for credit as BUSI 413.) *Prerequisites: BUSI/COMM 412.*

COMM 420 Professional Internship

2-3 credits

This course is a professionally supervised experience with an off-campus media organization or communication agency. Assignments apply classroom materials and campus media experiences and are similar to those experienced by new communication professionals. A minimum of 100 hours in the experience is required for the two-credit version of this course, and 150 hours minimum is required for the three-credit version. *Prerequisites: Three courses from COMM 194, 291, and 292 for a total of 9 credit hours.*

COMM 422 Digital Service Learning

3 credits

This course is designed to provide the student with exposure to cutting-edge digital hardware and software applicable to careers in the fast-changing communication field. The student will work off campus, under the supervision of a communication professional, on a service project serving the community. The student will present a portfolio at the conclusion of the experience. *Prerequisite: Junior standing, permission of instructor.*

COMM 440 New Media Theory and Practices

3 credits

As digital media and the internet become more and more common, scholars are examining how people use these technologies

and for what purposes. This course will cover the emerging body of theory on new media processes and practices in the information age. *Prerequisite: BUSI/COMM 200.*

COMM 480 Special Topics

3 credits

This advanced course is offered periodically to deal in depth with a particular subject or issue relevant to the field of communications, to pursue unique topics of interest to students, or make faculty research available for students as learning exercises.

COMM 487-489 Independent Study

1, 2, or 3 credits

COMM 490 Senior Project

3 credits

This course requires a research paper demonstrating the ability to describe, analyze, synthesize, and draw significant conclusions on a contemporary communication issue. Detailed guidelines for the senior project are available from the Communications and Media Arts Program. *Prerequisite: COMM 306.*

COMM 495 Comprehensive Exams

This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Education

The Department of Education offers majors in Elementary Education Grades K-6, Middle Childhood Education Grades 5-9, and an Interdisciplinary major in Psychology and Education. Minors are available in Multi-categorical Special Education with Autism K-6 or 5-Adult and Secondary Education (Art, Biology, Chemistry, English, Mathematics, Physical Education, Social Studies, and Spanish). Additionally, an Endorsement in Reading is offered.

Faculty

Sherri Theaker. *Professor of Education; Chair*

Kathleen Chini. *Visiting Assistant Professor of Education*

Edward F. Shephard. *Associate Professor of Education*

Program Goals

As reflective practitioners within the realms of a liberal arts education and professional studies program our graduates will be able to:

- Apply in their vocational setting, current research based pedagogical techniques and practices
- Evaluate formative and summative assessments as a means to differentiate instruction in order to meet the needs of a diverse population of learners
- Develop a unique and relevant personal and professional philosophy of education
- Take their places as 21st Century instructional leaders who guide learners to the highest possible levels of critical thinking, ethical, and moral development
- Become active members of national or international professional organizations and support cultural and community enriching endeavors
- Be global citizens who benefit from and appreciate multi-cultural experiences
- Exhibit exemplary professional behavior as well as to demonstrate a high degree of self-efficacy

The Teacher Preparation Program provides certification candidates with professional preparation in education using as its conceptual framework "Teacher as Reflective Practitioner." Candidates integrate a liberal arts background, content preparation, and educational principles to prepare for careers in teaching at the elementary, middle, and secondary school levels or in an interdisciplinary synthesis of Psychology and Education. Candidates can choose content specializations in Art, Biology, Chemistry, English, Language Arts, Mathematics, Physical Education, Social Studies, or Spanish. Candidates completing a major in Elementary Education or a minor in Secondary Education can minor in Special Education. The Teacher Preparation Program is accredited by the Council for Accreditation of Educator Preparation (CAEP). Note: Course work often requires field experiences; participants must arrange their own transportation in order to complete these courses, and candidates must arrange their own transportation in order to complete the Program overall.

Requirements for Majors in Education

Elementary Education (K-6): EDUC 203, 242, 282, 295, 346, 348, 351, 352, 353, 445, 470, 471, 472, 473, 490, 495; FINA 125, MATH 103 (or higher), MATH 250, MATH 252; RDNG 215, 347; SOCI 210; SPED 207, 208; PSYC 100 or 315.

In addition, only those students who have completed the following courses are eligible for Elementary K-6 Certification: BIOL 100 (or higher); CHEM 100 (or higher) or PHYS 103 (or higher); GENS 202; HIST 201 or 202, 225; POLS 225.

Note: Successful completion of PRAXIS I Core Academic Skills for Educators (Reading, Writing, and Math) with passing West Virginia scores must occur before enrolling in any 300-level or higher course in Education, Special Education, or Reading.

Note: Additional courses are required to complete a Minor in Multi-categorical Special Education with Autism, as well as Endorsement in Reading. A Content Portfolio and a Professional Portfolio are also required as part of the Education program.

Middle Childhood Education (5-9): EDUC 203, 242, 282, 295, 348, 351, 352, 426, 427, 445, 470, 471, 472, 473, 490, 495; RDNG 376; SOCI 210; SPED 207, 208; PSYC 100.

Note: Candidates interested in grades 5-9 certification only must complete the Middle Childhood Education 5-9 program in two fields selected from English, General Science, Mathematics, Physical Education (PHED 333 may be substituted for SPED 208), Social Studies, or Spanish.

Requirements for Interdisciplinary Major in Psychology and Education

The Department cooperates with the Psychology Department in administering the faculty-initiated interdisciplinary major in Psychology and Education. Requirements for this major appear in the listings of the Interdisciplinary Studies Department in this *Catalogue*.

Requirements for Minors in Education

Multi-categorical Special Education K-6 or 5-Adult: Learning Disabilities, Mental Impairments, and Behavior Disorders: SPED 207, 208, 320, 330, 450, 470 or 471; PSYC 315. As a minor, Special Education may be completed by Secondary Education candidates, but the Special Education multi-categorical with Autism certification may only be added to English, Mathematics, Science, or Social Studies certification. Elementary Education candidates may also complete a sequence of courses in English, Mathematics, Science, or Social Studies for Restricted Content Special Education Certification in 5-Adult.

Multi-categorical Special Education PreK-K with Autism Endorsement: SPED 207, 208, 212/512, 312/612, 320, 330, 450, 470; EQUI 305 or SPED 310. PreK-PreK must also complete: EDUC 204/504, RDGN 354/545; SPED 340/540. Secondary majors must also complete: EDUC 346 and MATH 250. The PreK-K Multi-categorical with Autism Endorsement may be added only to Elementary Education and Secondary English, Mathematics, Science, or Social Studies certification.

Secondary Education: EDUC 203, 242, 282, 295, 348, 426, 427, 445, 470, 471, 472, 473, 480 (or cross-listed 480 course); SPED 207, 208; RDNG 376; PSYC 100; SOCI 210. Secondary Education Teaching fields include Art, Biology, Chemistry, English, Mathematics, Physical Education (PHED 333 may be substituted for SPED 208), Social Studies and Spanish. Students preparing to teach in secondary schools are expected to follow the sequence of required education courses listed in the Professional Education sequence. Liberal Arts Core requirements, other requirements for graduation and requirements for the student's major must be added. The required education courses cannot be taken on a credit/no-credit basis.

Requirements for Reading Endorsement

Reading Elementary Education (K-6)

*EDUC 346/646	Foundations of Literacy	3 credits
*EDUC 351	Language Arts and Social Studies Methods	3 credits
*RDNG 215	Adolescent and Children's Literature	3 credits
*RDNG 347/647	Reading Assessment and Instruction	3 credits
RDNG 376/676	Content Area Literacy	3 credits
RDNG 422/622	Reading Clinic	3 credits

*Courses already required for elementary education certification. Students must also complete the remaining coursework and other requirements for K-6 certification.

Reading Middle Childhood (5-9) and Secondary (5-Adult)

EDUC 346/646	Foundations of Literacy	3 credits
*EDUC 351	Language Arts and Social Studies	3 credits
RDNG 215	Adolescent and Children's Literature	3 credits
RDNG 347/647	Reading Assessment and Instruction	3 credits
*RDNG 376/676	Content Area Literacy	3 credits
RDNG 422/622	Reading Clinic	3 credits

- Biology 9-Adult
- Chemistry 9-Adult
- General Science 5-9
- English 5-9, 5-Adult
- Mathematics 5-9, 5-Adult
- Physical Education 5-9, 5-Adult
- Social Studies 5-9, 5-Adult
- Spanish 5-9, 5-Adult

*Courses already required for middle childhood education certification. Students must also complete the remaining coursework and other requirements for the 5-9 or 5-Adult certification areas including: Additional information on these programs can be obtained from the department.

Requirements For Admission to the Teacher Education Program

Typically, Human Development (EDUC 203) is taken during the first semester of the freshman year. Candidates must earn a B- or higher in this course to advance to Professional Principles (EDUC 242) course. Education majors must be successfully admitted to the Teacher Education Program before registering for any 300-level or higher courses.

Application forms are available in the Department Office and on the Education Department website. Admission to the program occurs after the following criteria are met:

- Grade point average 2.50 overall and in Education courses
- Two positive letters of recommendation from faculty of Bethany College outside the Education Program
- Successful completion of PRAXIS I Core Academic Skills for Educators (Reading, Writing and Math) with passing West Virginia scores
- Positive review of Professional Dispositions conducted by Education faculty in Human Development (EDUC 203) and Professional Principles (EDUC 242)
- West Virginia Criminal Background Check results submitted to Department

A candidate may be granted full admission or denied admission.

Note: All transfer students or students who change their major are required to meet the same criteria, including admission to the program.

Continuation in Education Program beyond EDUC 242: A candidate must maintain a 2.50 GPA overall and in EDUC courses and successfully complete Classroom Discipline and Instruction (EDUC 348) to remain in the Teacher Education Program and advance to the Student Teaching Semester.

LiveText: An active LiveText account is a required resource for all students seeking a major or minor in education. LiveText is used by Bethany College to maintain accreditation, to demonstrate the quality of its academic programs, and to improve teaching and learning. Students have the option to use the account for secure online storage of academic work and to create digital documents such as electronic portfolios or reflective journals, which can be shared with prospective employers or other audiences. LiveText will be charged as a course/program fee of \$95. LiveText is a required resource in several different courses throughout the program and can be used for any course that requires it for up to five years. After five years, membership can be extended if needed for additional coursework or can be maintained for personal use.

Field Experiences and Student Teaching Semester: Beginning in Professional Principles (EDUC 242), typically taken during the freshman year, candidates complete a sequence of structured field experiences in area schools. As per West Virginia Policy 5100, candidates complete 125 hours of field experiences and work with children and adolescents prior to student teaching. Candidates must also successfully complete PRAXIS II by the end of the semester prior to student teaching. Candidates are responsible for transportation for all field experiences and student teaching assignments. When possible, candidates are grouped together in schools.

Student teaching is conducted for the entire first or second semester of the senior year in area schools or off-campus centers. **All required elements for student teaching are due to the Department by the end of the semester prior to student teaching.** Related course work is integrated with student teaching to provide direct application to field experiences. Candidates complete two seven-week placements in two different schools. Candidates are not permitted to schedule courses in conflict with the Student Teaching Block or to participate in extra-curricular activities that interfere with the requirements imposed by the Block.

Application for West Virginia Certification: After completing student teaching and near the completion of the entire program, each candidate should initiate application procedures for certification. The following criteria must be met for certification in West Virginia:

- cumulative grade-point average of 2.50, in education courses as well, and in the area(s) of certification.
- successful completion of the PRAXIS I Core Academic Skills for Educators and PRAXIS II-Content subject Area Test and PRAXIS II-Principles of Learning and Teaching
- West Virginia criminal background check
- successful completion of the Senior Comprehensive Examination
- successful completion of student teaching and all required course work
- recommendations from the Education Department and from the candidate's area of certification
- general requirements for a Bethany College degree

Note: A degree from Bethany College does not guarantee certification in the state of West Virginia. The candidate must meet the criteria for certification as determined by the College and by the West Virginia Board of Education. A candidate who fails to meet criteria may be denied recommendation.

Certification levels are under the authority of the West Virginia State Department of Education and are subject to change based on policy implementation by the State Department. Bethany College must follow the guidelines and policy implementation established by the State Department. The policy set by the West Virginia Department of Education takes priority over any policy set forth by the Bethany College Teacher Preparation Program.

Out-of-State Certification: Bethany College is fully accredited by the Council for Accreditation of Educator Preparation (CAEP), and its teacher education programs are approved by the West Virginia State Board of Education for the issuance of appropriate professional certificates for service in the public schools. This accreditation and approval makes those who complete the teacher education programs outlined in this *Catalogue* eligible for reciprocal certification in most states. [Additional coursework or testing may be required for certification in some states.] Currently, the state of West Virginia participates in the National Association of State Directors of Teacher Education and Certification (NASDTEC) Interstate Agreement. As of August 2006, 46 states, the District of Columbia, and the Department of Defense Education Activity participate in the NASDTEC Interstate Agreement for 2010-2015. The NASDTEC Interstate Agreement facilitates the movement of educators among the states and other jurisdictions that are members of NASDTEC and have signed the Agreement. Although there may be conditions applicable to individual jurisdictions, the Agreement makes it possible for an educator who completed an approved program and/or who holds a certificate or license in one jurisdiction to earn a certificate or license in another state or jurisdiction. For example, a teacher who completed an approved teacher preparation program in Alabama generally will be able to earn a certificate in Georgia. Receiving states may impose certain special requirements which must be met in a reasonable period of time.

Education Courses

EDUC 100 Strategies for Effective Tutoring

2 credits

This course is a preparatory course for those students interested in becoming tutors for the McCann Learning Center. A variety of effective instructional strategies will be demonstrated and practiced.

EDUC 203 Human Development

3 credits

This course is a study of human development from infancy through death. The course applies learning theory to life-span development to promote self-understanding and to provide preparation for working with individuals, families, groups, and communities. *Must receive a grade of B- or better in order to take EDUC 242.*

EDUC 242 Professional Principles

3 credits

This course explores the goals of education and their implementation, the role of the teacher, and the concerns of professional educators and applies the concepts of human development to student learning outcomes. A history of education component is included. A field experience is required. *Prerequisite: EDUC 203, with a grade of B- or better.*

EDUC 282 Instructional Technology

3 credits

This course examines the role of technology instruction, specifically addressing education technology standards for teachers. The course prepares pre-service teachers to integrate technology into instruction in a meaningful manner. *Prerequisite: EDUC 242.*

EDUC 295 Multicultural Field Experience

Non-Credit

Candidates for certification complete a 20-hour early field experience in a school setting that is multiculturally different from the schools they have attended. This experience is selected and arranged by the candidates themselves, pending department approval. Specified documentation of the experience by the candidates is evaluated by department faculty to ensure that candidates demonstrate the capacity to interact with students from differing ethnic, racial, gender, socioeconomic, language, and religious groups. The experiences help prepare candidates to confront issues of diversity that affect teaching and student learning and to develop strategies for improving student learning and promoting the candidates' effectiveness as teachers.

EDUC 346 Foundations of Literacy and Language Systems

3 credits

This course focuses on the beginnings of the development of literacy in children including the fundamentals of reading and writing as processes and how children come to understand and use those processes in differing settings. Research-based instructional strategies for supporting the development of children's literacy are explored, including alphabet and print awareness, phonological awareness, phonics, fluency, vocabulary and comprehension. A 10-hour field placement is required. (This course may be taken for credit as EDUC 646.) *Prerequisite: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program or enrolled as a non-degree seeking student.*

EDUC 348 Classroom Discipline and Instruction

3 credits

This is an intensive and unit-focused course covering student assessment, discipline models, and classroom management strategies, as well as instructional planning, effective teaching strategies, and professional development. Primary emphasis is on the refinement of teaching techniques and the continued development of the teacher as reflective practitioner model. A required field placement provides the opportunity for reflection and the application of theory to practice. *Prerequisites: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program.*

EDUC 351 Integrated Methods in the Elementary School: Language Arts and Social Studies **3 credits**

This course provides students an opportunity to apply the methods and strategies appropriate for teaching Language Arts and Social Studies in the elementary classroom. Students will explore literature appropriate for the social studies classroom, elementary writing programs, writing assessment, and instructional techniques for the integration of the Language Arts with Social Studies. A 15-hour field placement is required. *Prerequisite: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program.*

EDUC 352 Integrated Methods in the Elementary School: Mathematics and Science **3 credits**

This course is a practical application of the concepts of math and science presented in the elementary school curriculum. Emphasized are the understanding of fundamental processes and practical application. A 15-hour field placement is required. *Prerequisite: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program.*

EDUC 353 Integrated Methods in the Elementary School: Health and Physical Education 3 credits
This course is an examination of the methods and activities appropriate for teaching health and physical education in the elementary school. A 10-hour field placement is required. *Prerequisite: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program.*

EDUC 426 Principles and Techniques of Middle School Education 2 credits
This course is an examination of the teaching concepts and skills unique to the middle school teacher. Focus is on the middle school child in relation to the developmental changes that occur during the adolescent years, including psychological, physical, and social changes. Teaching strategies and methods appropriate for the adolescent learner are developed. A 15-hour field placement is required. *Prerequisite: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program.*

EDUC 427 Middle School Curriculum and Organization 1 credit
This course is an examination of the instructional organization and curriculum designs of the middle level school and classroom. Emphasis is on the evaluation and implementation of middle level curriculum. Various programs germane to the middle level program, including teacher-based guidance and interdisciplinary teaming, are addressed. A 15-hour field placement is required. *Prerequisite: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program.*

EDUC 445 Professional Issues in Education 4 credits
This course provides opportunities for student teachers to develop their reading, writing, listening, speaking, and multimedia presentation skills. *Prerequisite: Continuation in teacher education.*

EDUC 470 Clinical Practice and Student Teaching I 4 credits
This course is a directed and supervised first placement of a two-semester-long student teaching experience in schools with partial assignments at appropriate grade levels. Candidates must make application for student teaching prior to advance registration. Other courses and activities which might interfere with student teaching are not permitted. Success in this experience is required for continuing in the education program; failure results in removal from student teaching and from the education program. (CR/NCR only). *Corequisite: concurrent enrollment with EDUC 472.*

EDUC 471 Clinical Practice and Student Teaching II 4 credits
This course is a directed and supervised second placement of a two-semester-long student teaching experience in schools with partial assignments at appropriate grade levels. Candidates must make application for student teaching prior to advance registration. Other courses and activities which might interfere with student teaching are not permitted. Success in this experience is required for continuing in the education program; failure results in removal from the education program. (CR/NCR only). *Corequisite: concurrent enrollment with EDUC 472.*

EDUC 472 Student Teaching Seminar 2 credits
This course is an integrative seminar for the student teaching experience. Students meet in assigned groups for collaborative experiences and assessment. Students engage in the preparation of their final assessment portfolios. This course is part of the Education Block. (CR/NCR only.) *Prerequisite: admission to the Professional Block.*

EDUC 473 Philosophy of Education 2 credits
This course develops knowledge and skills necessary to accomplish the following outcomes: research; critically examine and determine one's own philosophy of education; and, construct and reflect upon a set of academic artifacts which exemplify preparation for classroom teaching according to national standards established by the West Virginia Professional Teaching Standards and the Council for Accreditation of Educator Preparation.

EDUC 480 Methods and Materials in Teaching 3 credits
See courses numbered 480 offered in Chemistry, English, General Sciences, Mathematics, Physical Education, Physics, Psychology, Social Science, Visual Art, and World Languages and Cultures. A 30-hour field placement is required. *Prerequisites: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program.*

EDUC 484 Methods of Teaching English as a World Language: Selected Methodological Issues 3 credits
This course is a study of the methods and materials necessary for teaching English as a second language and provides instruction and practice in planning lessons and extracurricular activities. (This course may be taken for credit as WLAC 484 or ENGL 484.)

EDUC 487-488 Independent Study 1-4 credits

EDUC 490 Senior Project 2-4 credits

EDUC 495 Comprehensive Exams
This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Special Education Courses

SPED 207 Exceptionalities and Diversities 3 credits
This course introduces students to the various exceptionalities and diversities found in general and special education classrooms. Students examine characteristics of exceptional learners, appropriate accommodations and modifications, assistive technology, the continuum of services, and the consultation and collaborative models of instruction. Special emphasis is given to a cultural perspective on learning within the general classroom environment. A 10-hour field placement is required.

- SPED 208 The Special Education Process 3 credits**
 This course examines the history of special education and the resulting special education process. Students actively participate in the referral process for special education, creating individualized education and transition plans through a variety of class activities and simulations. Special emphasis is on the role of the family system in the special education process, due process rights and responsibilities, theories in special education, and current legislation and litigation. Students are also introduced to specialized curriculum options in special education. A 20-hour field placement is required. *Prerequisite: SPED 207.*
- SPED 212 Autism I: Characteristics and Instruction 3 credits**
 This course provides an intensive look at the characteristics, identification, and instructional service delivery systems available for students with autism, Asperger's Syndrome, and other developmental delays. Specific instructional program features and the various origins and interventions of autism are emphasized. (This course may be taken for credit as SPED 512.)
- SPED 312 Autism II: Teaching Internship and Advanced Research 3 credits**
 This course provides an opportunity for students to work in the field with students with autism. Special emphasis is on the implementation of research-validated teaching strategies, community-based instruction, home planning, and data collection and analysis. Current and controversial research in the field of autism is also examined and debated. A 30-hour field placement is required. (This course may be taken for credit as SPED 612.) *Prerequisites: SPED 207 and SPED 212 or SPED 512; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program or enrolled as a non-degree seeking student.*
- SPED 320 Assessment and Methods in Special Education I 2 credits**
 This course is the first of two on assessments and methods in special education. Students are introduced to a variety of types of formal and informal assessments related to reading, spelling, and written language. Students gain proficiency in administering, scoring, and interpreting standardized tests used in the identification and evaluation of students in special education. Students create written assessment reports with interventions and various forms of curriculum-based assessments. Special emphasis is on the practice and creation of materials appropriate for the areas of fluency, reading comprehension, decoding, strategy instruction, spelling, and written language. A 10-hour field placement is required. *Prerequisites: SPED 207; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program.*
- SPED 330 Assessment and Methods in Special Education II 2 credits**
 This course is a continuation of Assessments and Methods in Special Education I. Students conduct formal and informal assessments in the areas of mathematics, social skills, and behavior. Functional behavior assessments and behavior intervention plans are created and specific curricula are examined and practiced. Special emphasis is on the functional life skills curriculum and on school-to-work initiatives. A 20-hour field placement is required. *Prerequisite: SPED 207; SPED 320; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program.*
- SPED 450 Current Issues and Trends in Special Education 2 credits**
 This course is an examination of the current issues and trends in the field of special education. A variety of legal, ethical, social, and vocational issues are reviewed, analyzed, and discussed. In addition, students reflect on their varied experiences in special education and create a personal philosophy of special education. *Prerequisites: SPED 320 and SPED 330; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program.*
- SPED 470 Clinical Practice and Student Teaching: Special Education I 4 credits**
 This course is a directed half-semester observation and student teaching experience in schools, with partial assignments in appropriate areas of special education. Students must have applied for student teaching prior to registering for this course. Other courses or activities which might interfere with student teaching are not permitted. (CR/NCR only). Corequisite: concurrent enrollment with EDUC 472.
- SPED 471 Clinical Practice and Student Teaching: Special Education II 4 credits**
 This course is the directed and supervised second placement of a two-placement semester long student teaching experience in schools with partial assignments at appropriate grade levels. Candidates must make application for student teaching prior to advance registration. Other courses and activities which might interfere with student teaching are not permitted. Success in this experience is required for continuing in the education program; failure results in removal from the education program. (CR/NCR only). *Corequisite: concurrent enrollment with EDUC 472.*
- SPED 475 Professional Internship 4 credits**
 This course provides for participation in an educational program appropriate to the student's area of study and potential employment. Students apply the skills and knowledge gained in the designated program to the selected internship experience.
- SPED 487-488 Independent Study 1-4 credits**

Reading Courses

- RDNG 215 Adolescent and Children's Literature 3 credits**
 This course focuses on extensive reading of diverse genres of literature written for children and adolescents and use of literature across the K-12 curriculum. Students will use a variety of methods to reflect on and respond to literature, learn about prominent authors and illustrators, and consider the historical aspects of children's literature in society and cultures. A major focus will be on learning how to encourage children to become motivated and engaged readers.

RDNG 347 Reading Assessment and Instruction**3 credits**

During this course, students conduct a comprehensive examination of research-based reading assessment tools. Students use both informal and formal reading assessments to plan and implement data-based instruction and plan for reading interventions. Scientifically-based reading intervention and effective reading program components will be modeled and practiced. A 10-hour field placement is required. (This course may be taken for credit as RDNG 647.) *Prerequisite: EDUC 346 or EDUC 646; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program or enrolled as a non-degree seeking student.*

RDNG 376 Content Area Literacy**3 credits**

This course explores the use of research based literacy activities in all areas of study. Because of the diverse nature of this class, students create their own portfolio of literacy resources and activities relevant to their particular subject area and grade level. A 10-hour field placement is required. (This course may be taken for credit as RDNG 676.) *Prerequisites: A passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program or enrolled as a non-degree seeking student.*

RDNG 422 Reading Clinic**4 credits**

This is a laboratory course which focuses on methods that can be used by classroom teachers, reading specialists, and other special teachers of reading and language arts. The major emphasis of this course is an extensive and supervised tutoring internship with children who have reading difficulties. A 30-hour field placement is required. (This course may be taken for credit as RDNG 622.) *Prerequisites: EDUC 346 or EDUC 646; RDNG 347 or RDNG 647; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program or enrolled as a non-degree seeking student.*

Equine Studies

The Equine Studies Program offers majors in Equine Management and Pre-Veterinary Medicine. Minors are available in Equine Studies and Equine-Facilitated Therapy.

Program Goals

The Equine Studies program at Bethany College is designed to achieve the following goals for its students:

- To provide students with a strong base of knowledge needed to support the wide variety of careers within the equine industry
- To experience alternative methods, techniques, and management philosophies in the care of equines
- To improve and develop necessary communication skills (writing, oral, and reading) in support of professional development
- To prepare students for entry into the equine industry

Requirements for the Major in Equine Management*

EQUI 100, 101, 200, 201, 202, 301, 302, 377, 401, 477, 490, 495; 4 credits from EQUI 103, 203, 204, 205, 303, 306, 403; 6 credits from BIOL 280, 291, EQUI 304, 305; BIOL 168, 169; BUSI 310; ECON 163, 222, 280, 287; ACCT 202; MATH 281, 282.

Requirements for the Major in Pre-Veterinary Medicine*

EQUI 100, 101, 202, 302 or 401, 490, 495; BIOL 100, 108 or 180, 168, 169, 280, 290, 343; CHEM 101, 102, 211, 212, 351, 352; MATH 201, 281; PHYS 201, 202.

* The Equine Management and Pre-Veterinary Medicine majors are under faculty review for the 2017-2018 academic year. No new students will be enrolled in these majors until the review of the program is completed. Officially recognized majors currently enrolled will have the opportunity to complete the major. Students must consult with the appropriate academic advisor.

Requirements for Minors in Equine Studies

Equine Studies: EQUI 100, 101, 200, 201, 202 (BIOL 168 and 169 are prerequisites for EQUI 202); one riding course

Equine-Facilitated Therapy: *This option is only available to those students with a major in Social Work.* The Equine-Facilitated Therapy Minor program is designed for students interested in the use of horses to work with a variety of at-risk populations, including those with Autism, cerebral palsy, and other behavioral or physical challenges. The course work provides the foundation content for the Professional Association of Therapeutic Horsemanship (PATH) certification or EAGALA (Equine Assisted Psychotherapy and Equine Assisted Learning) certification.

Students must complete all courses listed under Requirements for Social Work Major in the Social Work section of this *Catalogue*, plus: EQUI 100, 101, 200, 304, 305, two credits from EQUI 103, 203, 204, 205, 303, 306, 403; and six credits from any of the following courses: EQUI 201, 202, 470; BIOL 168, 169; SPED 212, 312.

Equine Studies Courses

EQUI 100 Introduction to Horse Management

3 credits

This course is an introduction to the basic skills necessary for daily care and maintenance of the horse. Topics include safety, stall care, feeding and basic nutrition, handling and restraint, vices, common causes and treatment of lameness, equine emergencies and first aid, bandaging, basic medications, and trailer safety. Preventative health care, deworming and vaccination programs, and dental and farrier care are introduced. This course includes a weekly three-hour lab. Some weekend participation is expected. This course is a pre-requisite for students who wish to participate in equine-related work-study assignments. *Corequisite: Concurrent Enrollment in EQUI 104.*

EQUI 101 Introduction to Equine Studies

3 credits

This course is an introduction to horses and the horse industry. Topics include equine evolution and history, breeds, breed evolution and modern breed usage, colors and markings, basic genetic concepts, conformation and animal judging, introduction to major equestrian disciplines, and publications of the equine industry. Common equine diseases, physiology of vaccines, parasites, and alternative health care options are introduced; contemporary issues including equine welfare are discussed. This course includes a weekly three-hour lab session. *Corequisite: Concurrent Enrollment in EQUI 104. Prerequisite: EQUI 100.*

EQUI 103 Introduction to Riding

1 credit

This course is an introduction to basic hunt seat and western riding. The course includes mounted activity and basic theories of riding requiring unmounted work.

EQUI 200 Horse Production and Management Techniques

3 credits

This course explores the preparation and use of the horse in multiple equestrian disciplines. Topics include selection for competition and evaluation for purchase, equestrian disciplines, sanctioning bodies of equestrian sports and associated transport and competition regulations, organization and management of horse shows, tack, bits, equipment and proper fitting, preparation of equines for show including grooming, clipping, braiding, and bandaging, equine insurance. Nutrition for performance and conditioning programs will be explored. This course includes a weekly three-hour lab. *Corequisite: Concurrent Enrollment in EQUI 104. Prerequisite: EQUI 101.*

EQUI 201 Equestrian Facility Design and Operation

3 credits

This course focuses on the design and construction of various types of private and commercial equine facilities. Topics include property layout, construction options, equipment, hay production and pasture management, water and waste management, zoning requirements, environmental impact of stables, legal obligations, contracts and liability, and economics and business management of facilities. *Corequisite: Concurrent Enrollment in EQUI 104. Prerequisite: EQUI 200.*

EQUI 202 Equine Anatomy, Physiology, and Health

4 credits

This course is a systems approach to the anatomical and physiological systems of the horse as related to common equine health concerns. Topics include diseases, epidemiology, vaccine and parasitology protocols, traditional and modern options for veterinary care, veterinary diagnostics, and considerations of preventative health care of the horse. This course includes a weekly three-hour lab. *Corequisite: Concurrent Enrollment in EQUI 104. Prerequisites: BIOL 168, 169; EQUI 101. Students seeking a minor in Equine Studies may substitute BIOL 308 for BIOL 168 and 169.*

EQUI 203 Hunt Seat

1 credit

This course is instruction in the theory and practice of hunt seat riding. The course includes both mounted instruction and classroom instruction as it applies to hunt seat, jumping, and showing in hunt seat and related disciplines. (This course may be repeated once for credit by Equine Majors.) *Prerequisite: EQUI 103, tape, or test.*

EQUI 204 Stock Seat

1 credit

This course is instruction in the theory and practice of western riding. The course includes both mounted instruction and classroom instruction as it applies to stock seat, reining, and related disciplines of western riding. (This course may be repeated once for credit by Equine Majors.) *Prerequisite: EQUI 103, tape, or test.*

EQUI 301 Equine Sales Preparation and Marketing

1 credit

This laboratory course introduces working with young horses. Topics include handling, leading, physical and behavioral development of weanlings, pedigree analysis, and preparation of weanlings and yearlings for sales and marketing. *Corequisite: Concurrent Enrollment in EQUI 104. Prerequisite: EQUI 201.*

EQUI 302 Equine Sports Medicine and Lameness

4 credits

This course provides the student with basic insight into lameness and athletic injuries associated with various equine sports disciplines. Topics include gait abnormalities, lameness evaluation and pre-purchase exams, conformation and its effect on performance, disorders of joints, tendons, and muscles, veterinary diagnostics, medications, methods of therapy, and corrective shoeing applications. The roles of conditioning and cardiopulmonary disorders as factors in poor athletic performance and injuries are also examined. This course includes a weekly three-hour lab. *Corequisite: Concurrent Enrollment in EQUI 104. Prerequisite: EQUI 202.*

EQUI 303 Dressage

1 credit

This course is instruction in the theory and practice of dressage. The course includes both mounted and classroom instruction as it applies to dressage and related disciplines. Topics include the fundamentals of dressage, such as dressage seat position and effectiveness of the rider's aids, the German training pyramid, the basics of centered riding, and knowledge of basic school figures. (This course may be repeated once for credit for Equine Majors.) *Prerequisite: EQUI 203, tape, or test.*

- EQUI 304 Riding Instructor I 1 credit**
This course provides instruction in American Riding Instructors Association (ARIA) principles of teaching riding, including the teaching philosophy and preparation for certification. Students in the course spend two to four hours per week developing skills as a riding instructor by working with student-learners monitored by a coach. The course includes preparation for ARIA certification. *Corequisite: Concurrent Enrollment in EQUI 104. Prerequisites: Four previous credits of mounted coursework.*
- EQUI 305 Equine Assisted Interventions 2 credits**
This course emphasizes the therapeutic use of horses. The course focuses on methods to determine and meet the needs of individuals with physical, psychological, or cognitive limitations or issues. Students will participate in therapeutic riding classes and EAGALA (Equine Assisted Psychotherapy and Equine Assisted Learning) sessions. This course may be repeated for credit.
- EQUI 306 Riding in the Open 1 credit**
This course provides a foundation for a safe approach to riding outside of enclosed arenas. Topics include theory of working the horse in an open area, flat work on various surfaces, riding hills, crossing streams and roadways, and proper conditioning for various disciplines of long-distance riding. Equestrian disciplines that include cross-country jumping (eventing, foxhunting, steeplechase) and trail riding (competitive trail, endurance riding) and extensive conditioning (polo) are introduced. *Prerequisites: EQUI 201, 203, tape, or test.*
- EQUI 377 Junior Seminar 1 credit**
This course studies the various employment opportunities and areas of further study for Equine Studies majors. Topics also include resume and portfolio development, professionalism in the equine industry, and developing the senior project.
- EQUI 401 Equine Reproduction 3 credits**
This course is an examination of the aspects of breeding farm production, both private and commercial. Topics include mare and stallion reproductive anatomy and endocrinology, mare and stallion handling, natural and artificial breeding methods, embryo transfer, breeding problems, teasing, record keeping, pregnancy management, normal and abnormal foaling, mare management, neonatal foal care, and recognition of foal disorders. *Corequisite: Concurrent Enrollment in EQUI 104. Prerequisite: EQUI 202.*
- EQUI 403 Introduction to Eventing 1 credit**
This course is instruction in the theory and practice of combined training. The course includes both mounted and classroom instruction as it applies to three-day eventing. (This course may be repeated once for credit by Equine Majors.) *Prerequisite: EQUI 303, tape, or test.*
- EQUI 470 Internship in Equine Studies 2 credits**
This experience is a professionally supervised internship with an off-campus equestrian facility or professional. (Repeatable for credit.)
- EQUI 477 Senior Seminar 1 credit**
This course is an introduction to writing methods, equestrian publications, and scientific literature in support of completing and presenting the senior project. Students complete a paper and make an oral presentation of the senior project.
- EQUI 490 Senior Project 2-3 credits**
The senior project is begun in the junior year and completed in the spring semester of the senior year.
- EQUI 495 Comprehensive Exams**
This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

First-Year Experience

Faculty

Travis Straub. *Assistant Professor of English; Director of First-Year Experience*

Program Goals

The First-Year Experience is designed to meet the following goals:

- Provide a small seminar of students with a faculty mentor/advisor who will help them to improve writing and thinking skills and familiarize them with the academic life of the College, while they study a specialized subject area
- Provide a bridge between the high school experience and the Bethany experience designed to enable students to engage actively and successfully as they grow and learn
- Provide students with an intense, single-class, topic driven learning experience designed to enhance college level reading, writing and research skills

Students will:

- employ and enhance college-level academic skills through a topic-driven learning experience
- explore identity development, including personal and professional identification

- increase awareness and knowledge of available Bethany resources, including the institution resources, culture, and community
- embrace and understand the responsibilities of a professional learning community.
- demonstrate and maintain personal health and wellness
- demonstrate understanding of the power of a liberal arts education

All students who meet one of the following conditions are required to complete successfully the First-Year Experience, including a one credit summer orientation experience and either, BFYE 101-102 or HSEM 111-112.

- The student has graduated from high school but never attended college, even if she or he has completed college credits while in high school.
- The student has enrolled in another college and is transferring fewer than 13 credits to Bethany.

BFYE 100 First-Year Experience Orientation

1 credit

BFYE 101

4 credits

These seminars introduce students to the study of a specialized subject area, help students improve writing and thinking skills, and familiarize students with the academic life of the College. The faculty member who leads a student's seminar will serve as that student's academic advisor and mentor.

AA. Everything Old Is New Again: A Study of New Traditionalism

This seminar examines the paradox of the modern New Traditionalist movement and the effect of the movement on popular culture. Students will examine the principles, life skills, and usage of modern technology common to New Traditionalism in relationship to the student's thoughts and activities. Through a hands-on exploration of "old-fashioned" skills, students will evaluate modern topics such as modern lifestyles, energy usage and carbon footprinting while evaluating their reading and writing skills and personal views of "modern" and "old-fashioned" techniques, crafts, and values. The post-9/11 resurgence of traditional craftsmanship and global issues related to the function of modern society will be discussed.

(Amanda Stewart, *Associate Professor of Biology*)

BB. O My Gods! Mythology and Me

This course will examine a wide range of mythologies from all over the world, both ancient and modern. It will explore fairy tales, sagas, epic poetry, ghost stories, and various forms of young adult literature, including the Harry Potter series, J.R.R. Tolkien's *Hobbit* and the *Ring* Trilogy, the works of Rick Riordan and much more. It will also explore mythic ideas in films such as the *Star Wars* series, American Western drama, *The Matrix*, *The Hunger Games*, and more. Special consideration will be given to the meaning of mythic ideas in everyday life.

(Scott Thayer, *Lecturer in Religious Studies*)

CC. The Beatles and Their Times

This seminar engages the student in a study of music, popular culture, and history through the phenomenon of the Beatles. Our examination involves listening to music, viewing DVDs, research, writing, discussion and special projects tailored to student interests. An objective of this course is to understand and appreciate the dramatic paradigm shift in popular culture during the 1960s and its ramifications, both musically and sociologically for its own time and beyond.

(Pandel Collaros, *Assistant Professor of Music and Chair of the Department of Visual and Performing Arts*)

DD. Clear Eyes, Full Heart, Can't Lose: The Portrayal of (Student) Athletes in Popular Culture

How many times have we seen the "dumb/pompous jock" stereotype play out in a movie or television show? How many times have student-athletes been accused of only being in school to play a sport rather than to obtain a degree? The students in this class will examine the ways in which athletes, especially student-athletes, are portrayed in movies, television shows, books, magazines, and news programs/ publications. This class will utilize small and large group discussions, field trips, and guest speakers to further explore the stereotypes faced by athletes at all levels of competition.

(Heather Taylor, *Assistant Professor of English, Director of the McCann Learning Center*)

EE. We Are Family

This course will examine the role of the family and study of individual development, interpersonal and intra-family relationships, and development of the family throughout the life cycle. A study of the societal changes which affect families over the life cycle. Emphasis is placed on effective communication and knowledgeable choices regarding marriage, parenting divorce, family crises and aging. Attention is given to successful marriage and family relationships based on research examining dating and mate selection, marriage, sexuality, family interaction, family resource management, parenting, divorce, and remarriage. Students will explore how human development is influenced by the different types of environmental systems and gain a better understanding why we may behave differently when we compare our behavior in the presence of our family and our behavior when we are in school or at work.

(Sherri Theaker, *Professor of Education, Chair of the Education Department*)

FF. Science and Pseudoscience

“What is truth?” and “What kinds of truth are there?” are challenging questions. As far as scientific truth is concerned, the question has become more manageable since the Renaissance when experimental science broke away from mysticism, alchemy, astrology, and magical thinking. None-the-less, our culture is still flooded with many non-scientific beliefs and biases, if not outright pseudoscientific convictions. In this seminar you will learn about the wide-range of pseudoscience from astrology, bigfoot, crop circles, demonic possession, exorcism, flat Earthers...to zombies through readings, videos, and class discussions. Belief in the bizarre may have many explanations and we will investigate some of the possibilities. You will pick your favorite pseudoscience topics for essays or your oral report, as you inform your classmates on these mistaken but no doubt interesting byways of modern culture. Also, we will learn about critical thinking and the kinds of questions most amenable to experimental science.

(John Burns, *Professor of Biology*)

GG. Catching Your Dreams!

“Look, if you had one shot, or one opportunity to seize everything you ever wanted in one moment, would you capture it or just let it slip?” (Eminem). This course will explore the theme of achieving dreams by seizing opportunities, making good choices, and overcoming obstacles through studying an array of genres—rap, poetry, and reading *The Last Lecture*, a New York Times best-selling book, co-authored by Randy Pausch. What are your dreams? What do you hope to achieve after attending Bethany College? What steps do you need to take to make your dreams become your new reality? The goal of this course is that you “Go confidently in the direction of your dreams! Live the life you imagined!” (Thoreau).

(Danielle Mehlman-Brightwell, *Learning Specialist*)

HH. From Gray’s Anatomy to Grey’s Anatomy: The History of Medicine

This seminar looks at medicine throughout history and is intended for individuals interested in pursuing a career in the medical and allied health field. From the first recorded proof of Witch Doctors in 10,000 BC to sequencing the Human Genome in the early 2000s AD, this course discusses a number of topics including ethical issues in medicine, drug discovery, medical research, and even the significance of the viral phenomenon of 2014: The ALS Ice Bucket Challenge. This course also looks at the admission process for various medical related graduate programs including, but not limited to, Medical School, Physical Therapy School, and Physician’s Assistant School.

(Carolyn Kitchens, *Assistant Professor of Chemistry*)

JJ. Introduction to Curiosity: I didn’t know that?

This course provides an introduction and opportunity for you to transition to university life, as you discover how to ask and find resources available (academic, co-curricular, community). Coming to college requires you know a lot about a lot of things, so you will examine the principles of curiosity through the thematic lens of communication. This subject of this course is you. It is intentionally designed to promote your self-awareness and personal success—in college and in life after college—by empowering you with curiosity skills and intellectual development strategies that are applicable across subjects (transferable, cross-disciplinary skills) and across time (durable, lifelong learning skills).

(M.E. Yancosek-Gamble, *Associate Professor of Communications and Media Arts and Chair of the Department of Communications and Media Arts*)

KK. May the Force Be With You

Renowned psychoanalyst, Carl Jung, described a collective unconscious of instincts and archetypes, universal symbols and themes, shared among humanity. This seminar will explore these universal themes and archetypes as portrayed in the Star Wars movies. Participants will consider the connectedness of the Light and Dark sides of the Force, and analyze other movie motifs such as the hero’s journey. As Yoda teaches us, “Do or do not. There is no try.” And may the force be with us all!

(Diane Snyder, *Assistant Professor of Psychology*)

LL. Immigrant Experiences

This interdisciplinary course will focus on present-day immigration both to the US and to countries around the worlds, and will examine the history of immigration and different interpretations of immigration laws and policies. Course materials and activities will include movies, documentaries, music, poetry and prose, as well as an investigation of students’ families’ own immigration history, and some field trips.

This seminar also uses immigration as a metaphor for what first-year students experience when they cross the border between high school and college. Together we will explore the usefulness and the limitations of the metaphor, always moving forward towards fuller integration into the Bethany College culture.

(Harald Menz, *Professor of World Languages & Cultures, Director of International Studies, Co-Director of Interdisciplinary Studies and Co-Chair for the Department of Humanities*)

MM. Creativity

Begin your Bethany Experience with an adventure in Creativity. This course is an opportunity to respond to all the new and old things in artistic ways. The seminar is structured to allow each student to enhance talents already possessed and to entertain new possibilities, using Bethany as the primary muse. Students will simultaneously explore a range of artistic genres (Music, Theatre, Visual Art, Creative Writing, Digital Media, etc.), college expectations and professional possibilities. “Every child is born an artist. The trick is to remain one when they grow up.” ---Picasso

(Luke Hardt, *Associate Professor of Theatre and Director of the Bethany College Theatre*)

NN. The Laughing Academy

This course will study theories and concepts of humor to discover what makes people laugh and how we use comedy in personal, professional, and cultural pursuits. We will analyze texts from literature, film, television, stand up, podcasts, and the many forms of jokes to develop close reading and critical thinking skills while also learning about the resources and practices of Bethany College. Students will be expected to explore the Bethany campus and community as we complete weekly reading and writing assignments and learn about concepts and practices of humor in American and world cultures. (Travis Straub, *Assistant Professor of English, Co-director of the Bethany First Year Experience*)

BFYE 102 First Year Professional Learning Community

1 credit

This seminar will provide students with continued oversight for academic and social progress in the transition from high school to college. The fall seminar leader will continue with the same group of students and will assist in the process of declaration of major and academic success. Students will meet with the seminar leader each week for one-hour.

Note on Completions: Students who do not successfully complete their first year seminar in the fall term will be required to make up this course during the spring term of their first year. Students who do not successfully complete BFYE 102 will be required to register for, and successfully complete, the course in the May term of their first year, at additional expense. If these courses are not successfully completed, students will not be eligible for graduation.

Fundamental Studies

This is a group of courses designed to introduce new students to basic logic and entry level processes for the successful college experience.

Fundamental Studies courses may be included in the 128 credits required for a Bethany College degree, but no more than 4 credits earned in Fundamental Studies courses may be applied to the 128 hours.

These courses may be a condition of admission for first-year and/or transfer students. Students are given the opportunity to test out of FDST 096 (Reading), 097 (Mathematics), and/or 098 (Writing). Continued enrollment in Bethany College will be contingent upon the successful completion of courses during the first two semesters of admission.

Fundamental Studies courses count in the total number of hours a student carries to maintain College eligibility during the semester taken. For each course, the student will receive a letter grade that will be included only in the calculation of the semester grade point average. Courses with a course number below 100 will not be included in the overall GPA or be eligible for honors.

FDST 087 Fundamentals of Mathematics (Summer Bridge)

2 credits

This course provides basic mathematics instruction for college students. Emphasis is placed upon conceptual understanding of mathematics with corresponding computational skill development.

FDST 088 Fundamentals of Writing (Summer Bridge)

2 credits

This course provides instruction and practice in basic writing skills. These skills include idea development and organization, sentence structure, and proofreading.

FDST 089 Strategies for College Success (Summer Bridge)

2 credits

This course provides instruction in the general study skills necessary for college success. The focus of the course is developing learning strategies that will result in effective study habits. Topics for the course include setting goals, managing time, taking notes, improving memory, taking tests, using campus resources, and reducing anxiety.

FDST 096 Fundamentals of Reading

2 credits

This course provides instruction in a variety of reading strategies used in college content areas. The course includes instruction to improve vocabulary development, comprehension, reading speed, and textbook study.

FDST 097 Fundamentals of Mathematics

2 credits

This course provides basic mathematics instruction for college students. Emphasis is placed upon conceptual understanding of mathematics with corresponding computational skill development.

FDST 098 Fundamentals of Writing

2 credits

This course provides instruction and practice in basic writing skills. These skills include idea development and organization, sentence structure, and proofreading.

FDST 099 Strategies for College Success

2 credits

This course provides instruction in the general study skills necessary for college success. The focus of the course is developing learning strategies that will result in effective study habits. Topics for the course include setting goals, managing time, taking notes, improving memory, taking tests, using campus resources, and reducing anxiety.

FDST 120 Extended Orientation for International Students**1 credit**

This course provides an introduction to the American college experience for international students. Emphasis is on orienting students to American culture and to the Bethany College campus, academic program, student services, and social life. (Activity course: CR/NCR only. Required for all new international students.)

General Science

General Science is a grouping of courses only. It is not a department and does not offer a major. It provides a number of courses, many of which are interdisciplinary in nature, designed primarily for non-science majors. Some of the courses, however, such as History and Philosophy of Science, and Science, Technology, and Society supplement the programs of science majors. In addition, special courses are offered for those interested in teaching science in public and private schools.

Requirements for Teaching Certification

Only students who have completed the following courses or their equivalents will be recommended for state certification to teach General Science in middle and junior high schools: BIOL 100; CHEM 100 or 101; GENS 151, 202; PHYS 103 or 201; the Professional Education Requirements described in the Education section of this *Catalogue* and on the department's website or in the resource area in the College's courseware solution.

Courses

GENS 100 Consumer Chemistry**4 credits**

This course emphasizes an understanding of chemical concepts relevant to our everyday lives. At the end of this course, a student should be able to analyze and discuss magazine and newspaper articles dealing with the subjects related to chemistry. The course is designed for non-science students. (This course may be taken for credit as CHEM 100.)

GENS 103 Everyday Physics**4 credits**

The course is a study from non-technical and non-mathematical viewpoints of the aims, methods (experimental and theoretical), and achievements in the attempts to understand the basic principles governing the physical world. It begins with commonplace observations and concrete examples and then proceeds to generalizations and hypotheses which unify them. This course is designed for non-science majors. (This course may be taken for credit as PHYS 103.)

GENS 140 Medical Terminology**3 credits**

This course comprises the study of medical terminology, which is necessary for students to communicate clearly and comprehend the language within the health professions. Students will understand and interpret information from the medical literature. This information will provide background and discussion material within the context of human anatomy and disease processes of body systems.

GENS 151 Astronomy**4 credits**

This course is designed to introduce the non-science major to the field of astronomy. Topics include the history of astronomy, light, and spectra, the solar system, stars and stellar evolution, galaxies, and the past and future history of the universe. Although the course is primarily descriptive, physical principles underlying astronomical phenomena are studied. The course includes three hours of lecture and two hours of laboratory each week. Laboratories include evening observation sessions and a field trip. An additional course fee is required. (This course may be taken for credit as PHYS 151.)

GENS 200 Laboratory Safety for the Use of Hazardous Materials**1 credit**

The course is a comprehensive review of laboratory safety practices. Students review the Chemical Hygiene Plan and its application, hazards of chemicals in the laboratory and protective measures available, use of Material Safety Data Sheets, detection of hazardous chemicals, permissible or recommended exposure limits for hazardous chemicals, proper labeling of hazardous chemicals, and safe disposal of chemicals. (Activity course: CR/NCR only.) *Prerequisite: CHEM 101.*

GENS 202 Physical and Cultural Geography**3 credits**

The course is a study of the interactions between environments and human activities over the earth's surface, land, sea, and air. A complementary aspect of the course is the study of place-name geography.

GENS 204 Introduction to Geographic Information Systems**3 credits**

In an introduction to Geographic Information Systems (GIS), the software mapping package (ArcGIS) is used to make maps and analyze spatial relationships on maps. Practical applications of GIS are emphasized including examples from ecology (the relationship of roads and invasive species), business (determining numbers of potential customers in an area), and government (designing efficient road systems).

GENS 210 Science, Technology, and Society**3 credits**

The course is an historical examination of the effects of scientific and technological innovations upon various societies, with emphasis being placed upon technology and science of the western world since 1850.

GENS 220 Geology **4 credits**
The course is a study of earth materials, earth structures, and the physical processes that shape the earth, including weathering, sedimentation, hydrology, diastrophism, volcanism, glaciation, and the features to which they give rise. A laboratory supplements the lecture and includes mineral and rock identification and topographic map interpretation.

GENS 225 Environmental Geology **3 credits**
The course is an application of the principles, practice, and case histories of earth science to environmental problems. Topics include water quality, landslides, subsidence, waste disposal, and geological aspects of land-use planning.

GENS 353 History and Philosophy of Science **3 credits**
The course is a study of some of the major ideas conceived by western thinkers in attempting to comprehend and describe the natural world. (This course may be taken for credit as PHIL 353.)

GENS 480 Methods and Materials in Teaching Physical and Life Sciences **3 credits**
The course is a study of the aims and methods of teaching the physical and life sciences in the secondary schools. Special attention is given to teaching general laboratory procedures and techniques of teaching. Each of the departments in the physical and life sciences participates in the program. (This course may be taken for credit as CHEM or EDUC 480. A 30-hour field placement is required.) *Prerequisite: 16 credits in one of the physical or life sciences or permission of the instructor; EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to the teacher education program.*

History & Political Science

The Department of History and Political Science offers two majors: History and Political Science. Both are based in the liberal arts and emphasize the origin and development of institutions and ideas, the traditions that mold thought and action, and the cultural values and structures that shape politics and government, foreign policy, and international relations, and the making of public policies. Department offerings also prepare students for graduate and professional study and for careers in education, public service, or the private sector.

Faculty

Steven A. Carelli. *Associate Professor of History; Chair*
Gary H. Kappel. *Perry E. and Aleece C. Gresham Chair in Humanities, and Professor of History*
Joseph H. Lane, Jr. *Provost and Dean of Faculty, and Professor of Political Science*
Flynn Pollard. *Visiting Assistant Professor of Political Science*

History

History Program Goals

The History program at Bethany College is designed to achieve the following goals for its students:

- Students will learn how to locate and evaluate primary and secondary historical sources and use them as evidence in support of a clearly stated, defensible thesis, in a style appropriate to the conventions of the historical discipline.
- Students will be able to identify and discuss some of the key themes and major issues of broad periods in U.S., European and World history and demonstrate an understanding of social change over time.
- Students will be able to distinguish between various approaches to the study of history discuss their major practitioners.

Requirements for Major in History

Twelve credits in European history, including HIST 101, 102; twelve credits in American history, including HIST 201, 202; six credits in African, Asian, or Latin American history; HIST 376, 377, 495; a Senior Project. Also required are either POLS 225 or 243, and INTD 251, 252, or 253, the others being strongly recommended. Students planning to attend graduate or professional schools should anticipate possible requirements in the areas of world languages, statistics, accounting, and computer technology.

Requirements for Minor in History

HIST 101, 102, 201, 202; and nine credits from 300 or 400-level offerings.

Requirements for Teaching Certification

Only students who have completed the following courses will be recommended for state certification to teach Social Studies in the secondary schools: HIST 101, 102, 201, 202, 225; SOCI 150; ECON 162 or 163; GENS 202; POLS 225; SOSC 480; the requirements for certification for Social Studies Middle Childhood Education 5-8; the courses in the Professional Education Requirements described in the Education section of this *Catalogue*. SOSC 480 is prerequisite to student teaching.

History Courses

HIST 101-102 World Civilizations I & II **3 credits each**
These courses are a survey of world civilizations and the interactions between the different centers of civilization from the ancient world to the present. Particular emphasis is given to non-Western cultures in Asia, Africa, and the Americas. First semester covers the period from the ancient world to about AD 1400. Second semester carries through to the present.

- HIST 201-202 U.S. History I & II** **3 credits each**
 These courses survey the political, economic, and social growth of America. The first semester covers the period of exploration to 1865, and the second semester from 1865 to the present.
- HIST 225 West Virginia History, Government, Geography** **2 credits**
 This course is a history of the western section of Virginia to the Civil War and the history and government of West Virginia to the present. The physical, political, and social geography of the state is included.
- HIST 297 Special Studies in History** **2 or 3 credits**
 These courses are designed to permit students to study with various faculty members in the department or with visiting instructors or foreign visitors.
- HIST 309 The World of Late Antiquity** **3 credits**
 The World of Late Antiquity surveys the many different and competing elements of religious views found in ancient Greco-Roman culture through the first five centuries of the common era. Particular attention is given to the philosophical, sociological, theological, and political environment of ancient Mediterranean culture in an effort to understand the influence these views had on the Western tradition. (This course may be taken for credit as RELS 326.)
- HIST 311 The Age of Transition: 1300-1600** **3 credits**
 This course is an examination of the transitional period from the Middle Ages to the Modern World. Particular emphasis is on the political and economic development of the Italian city states, the rise of national monarchies in Northern Europe, and the collapse of the unity of western Christendom.
- HIST 312 The Age of Absolutism: 1600-1789** **3 credits**
 This course examines the emergence of the modern state system and the rise of Absolutism. Topics include the Thirty Years War, the Age of Louis XIV, the English revolutions, and the Enlightenment.
- HIST 313 The Age of Revolution and Nationalism: 1789-1914** **3 credits**
 This course is an examination of the French Revolution, the Industrial Revolution, and the rise of the modern nation-state. Particular emphasis is placed on the political, economic, and social upheaval resulting from the impact of liberalism and nationalism.
- HIST 314 The Age of Uncertainty: 1914-Present** **3 credits**
 This course examines the collapse of European global domination in the wake of two world wars and the division of Europe during the Cold War. Topics include the disaster of the First World War, the rise of Communism and Fascism, the Second World War, the recovery of Europe, the collapse of the Soviet Empire, and the rise of the European Union.
- HIST 324 Russia Under the Tsars: 1500-1918** **3 credits**
 This course surveys the history of Russia from the late Middle Ages to the Russian Revolution. Specific topics include the growth of Russian power, the emergence of Russia as a major player in the European state system, and the collapse of Tsarist autocracy.
- HIST 325 Post Tsarist Russia: From Lenin to Putin** **3 credits**
 This course is an examination of the rise of Soviet totalitarianism, the Great Patriotic War, the impact of the Soviet Union's role as superpower, both internal and external, the collapse of Soviet society, the first halting attempts to rebuild Russia, and the re-emergence of Russia on the international stage as a regional power and an economic force.
- HIST 327 British History** **3 credits**
 This course provides a brief survey of British society to the Elizabethan period, followed by a more detailed study of the Elizabethan period through World War II. Topics such as the nature of the 18th century politics, the Industrial Revolution, liberal and Victorian England, the impact of the World Wars on British society, and the "Irish Question" are examined.
- HIST 328 History of Mexico** **3 credits**
 This course is a survey of Mexican history that emphasizes the variety of forces that shaped the formation of modern Mexico. Beginning with the settlement of Mesoamerica, the first half of the course examines the classical, pre-Columbian civilizations, the Spanish conquest, and the development of a diverse, multi-racial society from the sixteenth to the eighteenth centuries. The second half of the course discusses the causes and consequences of Mexican independence, the roots of the Mexican Revolution, its social, cultural and political consequences, and the breakdown of the PRI system in the late twentieth century.
- HIST 329 Islamic Civilization** **3 credits**
 This course is a survey of the emergence of Islam during late Roman antiquity and the middle ages, highlighting the life of the prophet Mohammed and the development of Islamic religion, philosophy, and literature in the early Islamic empires. Also considered is the development of Islamic fundamentalism in the modern world and institutional, operational, and environmental factors which demonstrate differences between the Islamic and Western worlds. (This course may be taken for credit as RELS 352.)
- HIST 330 Modern China** **3 credits**
 This course is a basic survey of modern China. Following an introduction to the geography and history of the country, the course focuses on the art, modern literature, cinema, culture, sociology, politics, foreign relations, economy, and current conditions in the People's Republic of China.

- HIST 331 Modern Japan 3 credits**
This course is a basic survey of modern Japan. Following an introduction to geography and history, the course focuses on art, modern literature, cinema, culture, sociology, politics, economy, and current conditions in Japan. (This course may be taken for credit as JAPN 321.)
- HIST 332 Japanese History and Culture in Film 3 credits**
This class explores the historical development of Japanese culture through the viewing of a series of 16 to 18 Japanese movies which portray, in one way or another, key concepts that are central to understanding Japanese society. Combines with readings and lectures which place the films in their historical context, students should gain an understanding of the wrenching social changes that buffeted Japan over the course of the twentieth and into the twenty-first century.
- HIST 351 The Early Republic, 1789-1848 3 credits**
This course explores the development of the United States from the birth of the Republic through the Mexican-American War, examining, among other topics, the implementation of the government under the Constitution, the democratization of the political process, the early foreign relations of the United States, the growth of sectionalism, the commercial and market “revolutions,” and territorial expansion.
- HIST 352 The Crisis of the Republic, 1848-1877 3 credits**
This course examines the social, political, economic, and ideological forces that led to the American Civil War, traces the main phases of the military campaigns, and explores the far-reaching consequences of the war in American history. Topics include slavery and sectional conflict before the war, the abolitionist movement, Union and Confederate strategies, the wartime experiences in the North and South, African-Americans and emancipation, and the Reconstruction period following the war.
- HIST 354 America in the Era of the World Wars, 1914-1945 3 credits**
This class explores American society, politics, and international relations in the era of the world wars of the twentieth century, a period during which American attitudes concerning international relations, domestic politics, and social policies underwent profound changes. Topics include American participation in the First World War, the isolationist impulse of the 1920s and 1930s, the culture and politics of the 1920s, the Great Depression, the New Deal, and the Second World War.
- HIST 355 Contemporary U.S. History, 1945-present 3 credits**
This course examines the history of the United States since 1945. Emphasis is placed on the evolution of the postwar world, the Cold War, the rise of the consumer society, the changes in society and social values, the urban and suburban revolution, the sixties, and the Civil Rights Movement.
- HIST 376 Methods of Historical Research and Writing 3 credits**
This course is a study of the techniques of historical writing and research that that are expected in the History program and more generally in the academy. It introduces students to the major types of historical paper-writing, including book reviews, various analyses, and research papers. It also discusses suggestions for improving writing quality and provides an introductory tutorial to the Chicago Manual of Style.
- HIST 377 Theory and Practice of History 3 credits**
This course is a study of the major works of the ancient, medieval, and modern European and American historians with emphasis on the various schools and methods of interpretation. The student also receives an introduction to the nature and methods of history as an intellectual discipline. Emphasis is on the techniques of historical research in preparation for the Senior Project.
- HIST 400-409 Seminar in American History 2-4 credits**
These seminars provide the opportunity for advanced study of a topic, period, or issue in American History. (Topics change regularly.) *Prerequisite: Previous study of the topic in a survey course or permission of the instructor.*
- HIST 401 Constitutional Law 3 credits**
Case studies and moot cases examine the historical development of important constitutional issues before the United States Supreme Court. Students become familiar with the basic structure and functions of the federal court system. (This course may be taken for credit as POLS 401.)
- HIST 410-419 Seminar in European History 2-4 credits**
These seminars provide an opportunity for advanced study of a topic, period, or issue in European History. (Topics change regularly.) *Prerequisite: Previous study of the topic in a survey course or permission of the instructor.*
- HIST 410 Weapons and Warfare 4 credits**
This course is an examination of the science and art of warfare throughout the history of civilization. Particular emphasis is on the technology of war and the methods developed to employ that technology against opponents on the battlefield or against an opponent’s entire society.
- HIST 420-429 Seminar in Non-Western History 2-4 credits**
These seminars provide the opportunity for advanced study of a topic, period, or issue in non-Western History. (Topics change regularly.) *Prerequisite: Previous study of the topic in a survey course or permission of the instructor.*
- HIST 487-488 Independent Study 2-4 credits**
- HIST 490 Senior Project 2-4 credits**
The student plans and pursues an independent research project in History.

HIST 495 Comprehensive Exams

This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Political Science

Political Science Program Goals

The Political Science program at Bethany College is designed to achieve the following goals for its students:

- An understanding of the political institutions and processes of the government in the United States
- Knowledge of a broad range of foreign political systems, including their different ideological, institutional, and historical foundations
- Knowledge of the global political order and contemporary world politics, including international conflict and cooperation
- An understanding of the conflict among social values in political decision-making
- Capacity to analyze data and organize it to prove hypotheses
- Critical thinking and grasp of difficult textual materials
- Effective written and oral communication skills, with particular emphasis on the construction of organized written argument

Requirements for Major in Political Science

A minimum of 38 credits in courses in Political Science, including POLS 225, 243; one course from 361, 362, or 363; 370, 470, 477, 495 (these 38 credits may include credits from INTD 202, 203, and 306); a Senior Project; HIST 201, 202. Related courses are recommended in History, Philosophy, Economics and Business, Sociology, World Languages, English, and Mathematics (especially statistics).

Requirements for Minor in Political Science

POLS 225, 243, plus 15 additional credits in Political Science.

Requirements for Interdisciplinary Major in International Relations

The department administers the faculty-initiated interdisciplinary major in International Relations. Requirements appear in the listings of the Interdisciplinary Studies program in this *Catalogue*.

Requirements for Teaching Certification

Only students who have completed the following courses will be recommended for state certification to teach Social Studies in the secondary schools: HIST 101, 102, 201, 202, 225; SOCI 150; ECON 162 or 163; GENS 202; POLS 225; SOSC 480; the requirements for certification for Social Studies Middle Childhood Education 5-8; the courses in the Professional Education Requirements described in the Education section of this *Catalogue* and on the department's website or in the resource area in the College's courseware solution. SOSC 480 is prerequisite to student teaching.

Political Science Courses

POLS 120 Model United Nations

1 credit

This course is a study of the structure, role, and procedure of the United Nations. Emphasis is on preparation for student participation in a simulated United Nations conference. This course may be repeated for credit. (Activity course: CR/NCR only. Exception: must be taken for a letter grade by students pursuing the International Relations Interdisciplinary Studies major.)

POLS 225 American Politics

3 credits

This course is an introduction to the formal and informal structures, institutions, and processes which comprise the American political system at the national level.

POLS 243 International Politics

3 credits

This course provides an introduction to international relations. Emphasis is on the study of conflict and cooperation in the international system and on the study of power, diplomacy, alliances, international law and organization, and other forms of interaction.

POLS 253 Nature and International Society

3 credits

This course is an examination of the political, economic, ethical/philosophical, and international security dimensions of the relationship between the environment and society. Special focus is on the role of political institutions and the market in resolving the ecological challenges of the 21st century.

POLS 320 Legislative Process

3 credits

This course examines the roles of the United States Congress and other national legislatures as makers of law and policy. Emphasis is on formal and informal internal structural organizations. *Prerequisite: POLS 225.*

POLS 321 Executive Leadership

3 credits

This course is a study of the roles and functions of the President of the United States in relation to the other branches of government, the states, and the international system. *Prerequisite: POLS 225.*

- POLS 322 Judicial Behavior 3 credits**
 This course is a study of the United States courts as institution and process, emphasizing the Federal courts. The course examines the role of courts as defenders of the rights of citizens and as makers of law and policy. *Prerequisite: POLS 225.*
- POLS 325 Political Economy 3 credits**
 This course is a study of the theoretical and policy interrelationship of politics and economics, state and market, in the international system. Emphasis is on the role of government and international organizations in the authoritative allocation of public and private goods. Socio-economic decision-making mechanisms (market, hierarchy, bargaining, etc.) are identified and analyzed on a global scale. Neo-classical, Keynesian, Marxist, and non-traditional approaches to political economy are examined. *Prerequisite: POLS 243.*
- POLS 337 Campaigns and Elections 3 credits**
 This course studies the democratic dynamic in the United States in its electoral form. Particular emphasis is on voting behavior, political parties, candidate decision-making, and political campaign strategy. Political culture and processes of participatory democracy are also emphasized.
- POLS 341 United States Foreign Policy 3 credits**
 This course is an examination of the assumptions and mechanics underlying the making of U.S. foreign policy since World War II. The course provides a framework for analyzing foreign policy decision-making and the various approaches to the formulation and conduct of post-Cold War foreign policy.
- POLS 351 Comparative Politics: Western 3 credits**
 This course is a study of the major western political systems. Focus is on institutional, economic, and regional/international factors of industrial democracies in Western Europe, the Americas, and in areas colonized by Europeans. Emphasis is on establishing the common criteria and methodologies for making valid comparative analysis of these systems. *Prerequisite: Three credits in Political Science.*
- POLS 352 Comparative Politics: Non-Western 3 credits**
 This course is a study of the major non-western political systems. Emphasis is on institutional, economic, and regional/international factors of modern nation-states which may not operate under the same political or economic philosophies as “the West.” Emphasis is also on establishing the common criteria and methodologies for making valid comparative analysis of these systems. *Prerequisite: Three credits in Political Science.*
- POLS 361 Ancient and Medieval Political Thought 3 credits**
 This course provides an introduction to ancient and medieval political thought. Fundamental questions examined include: What is the relationship between ethics and politics?; What is a good regime?; What is a good citizen?; What is the relationship between law and ethics?; What is the relationship between theology and political thought? Students are guided in a close reading of important political works, including Plato’s *Apology* and *Republic*, Aristotle’s *Nicomachean Ethics* and *Politics*, and Augustine’s *City of God*. (This course can be taken as PHIL 361.)
- POLS 362 Modern Political Thought 3 credits**
 As an introduction to modern and post-modern political thought, students examine the writings of important political thinkers of the past 500 years, including Machiavelli, Hobbes, Locke, Marx, Nietzsche, Dostoyevsky, and Camus. Emphasis is on the development of liberal democratic thought and its many recent critiques, including Marxism, feminism, and communitarianism. (This course can be taken as PHIL 362.)
- POLS 363 American Political Thought 3 credits**
 This course examines the roots, foundation, and development of American political thought. Special attention is given to the political thought of the Founding Fathers and to contemporary schools of thought such as feminism and communitarianism.



- POLS 370 Research Methods in Political Science 4 credits**
 This course is a study of the scope and methods of research through an examination of approaches, models, and theories. Qualitative and quantitative methods are studied and applied. The course includes the design and execution of a team research project. An emphasis is on preparation for the Senior Project. *Prerequisite: Permission of the instructor.*
- POLS 371-379 Selected Topics in Political Science 2-4 credits**
 This is a series of upper level courses in Political Science. The content of specific courses varies. *Prerequisite: Permission of the instructor.*
- POLS 401 Constitutional Law 3 credits**
 Case studies and moot cases examine the historical development of important constitutional issues before the United States Supreme Court. Students become familiar with the basic structure and functions of the federal court system. (This course may be taken for credit as HIST 401.)
- POLS 470 Internship in Political Science 2-8 credits**
 This internship is a faculty supervised off-campus experience with an academic dimension. Each internship combines off-campus work with a substantial research project. The off-campus experience and the proposed research project must be approved by the chair of the department prior to the beginning of the internship. Off-campus work is supervised jointly by a faculty supervisor and a designated off-campus mentor. The student is evaluated by the faculty supervisor who may take into consideration the evaluation of the mentor.
- POLS 477 Senior Seminar in Political Science 3 credits**
 This course is a study of Political Science as a discipline, including its major subfields: Theory and Method; Political Processes and Individual Behavior; Political Institutions of the State; Nations and their Relationships.
- POLS 487-488 Independent Study 2-4 credits**
- POLS 490 Senior Project 2-4 credits**
 The student plans and pursues an independent project in Political Science.
- POLS 495 Comprehensive Exams**
 This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Honors Program

The Bethany College Honors Program is a college-wide community of faculty and students engaged in the study of the tangible and imaginable worlds through the integration of the skills of multiple academic divisions and multiple modes of learning. By offering student-driven, innovative courses, honors dorm living, and unique opportunities outside the classroom to outstanding students, the Honors Program furthers creative thinking and intellectual independence and promotes a community of inquiry that thrives on the ideals of the liberal arts education.

Faculty

Elizabeth M. Hull. *Professor of English and Interim Director of the Honors Program*

Program Goals

The Honors Program is designed to provide highly-motivated students with a learning cohort to engage with faculty in the freedom and responsibility provided by the following Modes of Honors Learning recommended by the National Collegiate Honors Council:

Research and Creative Scholarship (“learning in depth”)

- Curricula are characterized by a Writing-Intensive emphasis on research writing in the humanities and social sciences, including data analysis in the social sciences, and on experimentation, measurement, data analysis, and interpretation in the natural sciences. The product is documented scholarship that leads to new integrations, new knowledge, or new understandings of creative products.
- Prepare students to write enhanced senior projects and applications for graduate programs and fellowships and scholarships.

Breadth and Enduring Questions (Multi-Divisional Learning)

- Honors core (HSEM) seminars confront students with alternative modes of inquiry, exploration, discovery, tolerance of ambiguity, and enduring questions. Coursework requires integrative learning: both local and global learning with connections across time, genre, and disciplines, not always in classroom situations.
- The products aggressively involve creative integrations of evidence from multiple divisions. Assessment of the products emphasizes process rather than product, focusing on metacognitive questions such as “how do you know?” Students are encouraged to dig deep without a prescribed result.

Service Learning and Leadership

- Courses integrate a single project or a series of collaborative projects that address real-world problems through which students acquire practical experience and skills in the topic and skills of the course.

Experiential Learning

- Courses emphasize exploration and/or discovery rather than acquisition of specific knowledge sets, sustain a focus on hands-on, usually supervised, practical engagement with usable outcomes.
- Courses focus on student-driven learning projects facilitated by faculty who provide no necessary, single conclusion to be drawn by all or many students.
- Courses require continuous reflective writing and oral presentation as the students articulate their discoveries and document their personal growth; this process may apply to all other modes described here.

Learning Communities

- A cohort of students living and/or working in close quarters and heavily engaged in campus and/or residence-centered activity with a strong integration of academic, social, and/or service activities, fostering a culture of thinking, growing, and inquiring that connects members to one another for the pursuit of common goals through interdependence and mutual obligation.

Requirements for the Honors Program

26-32 credits

The two-semester First-Year Honors sequence; two one-semester Sophomore Honors Seminars or one two-semester Sophomore Honors Seminar sequence; two one-semester Junior Honors Seminars or one two-semester Junior Honors Seminar sequence; enhanced Honors Senior project created over two semesters, each semester of the Senior Project ranging from 2-4 credit hours.

HSEM 111-122 First-Year Honors Seminar

8 credits

A year-long study of Tom Stoppard's play *Arcadia* and the multi-divisional disciplines of mathematics; literature; botany; art, architectural and cultural history; music history; dancing; practical gardening; physics; philosophy; classics; and theology on which the play draws (two 4-credit semesters). Integrates both Writing Intensive academic writing and reflective journals, research, oral presentations, and gardening and statistical service to college and community through experiential and academic projects in an attempt to grasp the richness of the liberal arts as the grounds for creativity and problem-solving. Team-taught by inter-divisional faculty. *Sequence satisfies requirements for First-Year Experience and ENGL 111 College Writing.*

HSEM 211-222 Sophomore Honors Seminars

8 credits

A multi-divisional Sophomore Honors Seminar designed by the honors students by November of the previous year, with the assistance of the Director and the approval of the Honors Program Advisory Committee, to aggressively and creatively integrate the modes of learning specified above. Courses must fuse those modes and disciplines into an organic whole focused on one problem, rich text, or theme. Writing Intensive approval required; preference for inter-divisional team teaching; appropriate faculty solicited on behalf of the Honors Program Advisory Committee by the Director.

HSEM 311-322 Junior Honors Seminars

8 credits

A multi-divisional Junior Honors Seminar designed by the honors students by November of the previous year, with the assistance of the Director and the approval of the Honors Program Advisory Committee, to aggressively and creatively integrate the modes of learning specified above. Courses must fuse those modes and disciplines into an organic whole focused on one problem, rich text, or theme. Junior courses should develop students' writing and research skills for enhanced senior projects and national fellowship and scholarship applications. Writing Intensive approval required; preference for inter-divisional team teaching; appropriate faculty solicited on behalf of the Honors Program Advisory Committee by the Director.

HSEM 489-490 Honors Senior Project, two semesters

4-8 credits (2-4 for Honors + 2-4 for major)

An enhanced senior project created over two semesters bringing Honors modalities to bear on a major discipline, each semester ranging from 2-4 credit hours. Students will have both major senior project advisors and an advisor from or designated by the Honors Program Advisory Committee, and projects must be approved by both the major program and the Honors Program Advisory Committee.

Humanities

*The Department of Humanities encompasses a range of programs in English, Philosophy, Religious Studies, and World Languages and Cultures, including majors in English, German Studies, Religious Studies, and Spanish, as well as minors in English, French, German, Religious Studies, and Spanish. Limited course offerings in Arabic, Chinese, Hebrew, Italian, and Japanese are also available. Each program's goals and requirements are presented in this section of the **Catalogue** along with a listing of the courses offered in each area.*

English

Faculty

Dustin Hixenbaugh. *Assistant Professor of English*

Elizabeth M. Hull. *Professor of English, Interim Director of the Honors Program*

Jessie L. Janeshek. *Associate Professor of English, Director of Writing Across the Curriculum*

Travis Straub. *Assistant Professor of English, Director of First-Year Experience*
Brooke Lemmons Deal. *Associate Professor of Religious Studies, Co-Chair of the Department of Humanities and Co-Director of Interdisciplinary Studies*
Harald J. A. Menz. *Professor of World Languages & Cultures, Co-Chair of the Department of Humanities and Co-Director of Interdisciplinary Studies*

English Program Goals

The English program at Bethany College is designed to achieve the following goals for its students:

Content

- Acquaint students with knowledge of British and American literature in their cultural contexts from the beginnings to the 21st century
- Familiarize students with contemporary schools of critical theory

Skills

- Foster critical thinking (including close reading) about literature, language, and culture
- Foster graceful and effective writing about literature, language, and culture
- Prepare students for certification as teachers of English and Language Arts, for graduate or professional study, and for other vocations

Values

- Encourage participation in the creative process, including aesthetic appreciation of literature, language, and culture
- Empower students for lifelong learning

Requirements for Major in English

The following courses are required for all students: ENGL 156, 245, 246, 250, 268, 275 or 280, 477, 490, 495; one other course in American Literature above the 200 level; one other course in British Literature above the 200 level.

In addition, each student must complete one of the following tracks:

Creative Writing: ENGL 240, 311, 312, 411, 412 and one additional course in American or British literature above the 200-level or one of the following: INTD 251, 252, or 253.

Education: ENGL 160, 200, 240, 267, 483; THEA 120; RDNG 215; WLAC or ENGL 370; ENGL 379; EDUC 480 or ENGL 480. To be recommended for certification, a student must also complete the courses in the Professional Education Requirements described in the Education section of this *Catalogue*. The following courses are prerequisites to student teaching: ENGL 379, 480, 483.

Literature: Twelve credits chosen from ENGL 200, 264, 266, 267, 270, INTD, 251, 252, and 253; one additional course in American Literature above the 200 level; one additional course in British Literature above the 200 level.

Writing and Language: ENGL 156, 240, 220 or 223, 370, 379, at least two additional courses selected from the following: ENGL 155, 212, 220, 223, 311, 312, 351, 483, COMM 201, 202, 305, 309.

A student majoring in English is expected to earn a minimum grade of C in all courses in the program.

Students planning to attend graduate or professional schools should be prepared to meet foreign language requirements.



Requirements for Minors in English

American Literature: ENGL 156, 250; nine additional credits in American Literature, six of which must be from the 300 and 400 level.

British Literature: ENGL 156, 245, 246; six additional credits in British Literature, three of which must be from the 300 or 400.

Creative Writing: ENGL 156, 240, 311, 312, 411 or 412.

Writing in Social and Natural Environments: ENGL 212, 220, 230, 313, and RELS/PSYC 241

English Courses

Offerings include courses in the following areas of the discipline:

Writing and Language

ENGL 111 College Writing
ENGL 212 Writing for College and Community
ENGL 220 Writing for Business and Industry
ENGL 223 Technical Writing
ENGL 230 Writing and the Environment
ENGL 240 Creative Writing
ENGL 311 Poetry Writing Workshop
ENGL 312 Fiction Writing Workshop
ENGL 313 Creative Non-Fiction Workshop
ENGL 370 Introduction to Linguistics
ENGL 379 Systems of English Grammar and the Development of Modern English
ENGL 411 Advanced Poetry Writing Workshop
ENGL 412 Advanced Fiction Writing Workshop
ENGL 413 Advanced Creative Nonfiction Writing Workshop

Critical Theory And Practice

ENGL 150 Honors Freshman English
ENGL 156 Introduction to Literary Studies
ENGL 351 Literary Criticism and Theory
ENGL 477 Senior Seminar

British Literature

ENGL 245-246 British Literature I & II
ENGL 270 Shakespeare
ENGL 340 Harry Potter: Background and Criticism
ENGL 360 Classic British Novels
ENGL 430-449 Seminar in British Literature
ENGL 430 Chaucer
ENGL 433 The Restoration
ENGL 434 Jane Austen and Virginia Woolf
ENGL 435 Brides, Bibles, and Bibles: The Early English Renaissance
ENGL 440 Topics in Shakespeare
ENGL 441 Twentieth Century British Writers
ENGL 443 Seventeenth Century British Literature
ENGL 444 Elizabethan Drama
ENGL 445 Victorian Writers
ENGL 446 Milton
ENGL 447 Eighteenth Century British Literature
ENGL 449 British Romanticism

ENGL 111 College Writing

3 credits

This course provides instruction and practice in the process of writing effective essays from the discovery and planning stages through final revision and polishing. Emphasis is on writing correct, coherent, and fluent prose. Writing assignments focus on the effective use of traditional rhetorical modes commonly employed in academic writing and applying the writing process in responding to essay examination questions.

ENGL 150 Honors Freshman English

3 credits

This is a course for freshmen of superior ability and accomplishment. It focuses on the close reading of novels and emphasizes critical and creative writing in relation to them. This course is an alternative to ENGL 111. Usually offered Fall semester. *Enrollment is by invitation only.*

ENGL 156 Introduction to Literary Studies

3 credits

This course is dedicated to studying poetry, fiction, and drama by international authors from diverse cultures. Primary emphasis is on the process of applying students' knowledge of genre and relevant terminology to the close reading of literary texts. Students are introduced to various critical approaches to reading, researching, and writing about literature including Feminist Theory, Marxist Theory, Reader Response Criticism, and New Historicism.

American Literature

ENGL 250 American Literature
ENGL 275 American Short Stories
ENGL 280 Short American Novels
ENGL 365 Classic American Novels
ENGL 366 Regional American Literature
ENGL 383 African American Novel
ENGL 385 Women & Literature: The American Experience
ENGL 450-459 Seminar in American Literature
ENGL 453 Contemporary American Poetry
ENGL 454 Hemingway
ENGL 455 American Women's Poetry 1800-Present
ENGL 456 Race, Gender, and Power in Early American Literature

World Literature

ENGL 200 Literature and Literary Diversity
ENGL 264 Masterpieces of Drama
ENGL 266 Masterpieces of European Literature
ENGL 267 Masterpieces of World Literature
ENGL 268 Modern World Literature
ENGL 320 Women and Literature: The Middle Ages and Renaissance
ENGL 321 Women and Literature: Modern Western World
ENGL 421 History of the Western Erotic Lyric

Film Studies

ENGL 160 Introduction to Film
ENGL 462 Films of Alfred Hitchcock

English Education

ENGL 480 Methods of Teaching English
ENGL 481 Conducting Writing Laboratories
ENGL 483 Teaching Composition and Language
ENGL 484 Methods of Teaching English to Speakers of Other Languages

Non-Classroom Study

ENGL 487-488 Independent Study
ENGL 489 Internship
ENGL 490 Senior Project
ENGL 495 Comprehensive Exams

- ENGL 160 Introduction to Film 3 credits**
This course is an introduction to the study of film as a cultural and technical artifact and as a form of art. Students learn basic principles of film aesthetics and production to provide the skills necessary to “read” the film as art. The course also places a strong emphasis on the social context of film and the place movies hold in our culture, and introduces the general areas of study within film scholarship. (This course may be taken for credit as COMM 160.)
- ENGL 200 Literature and Literary Diversity 3 credits**
This course is an introduction to the study of poetry, drama, and fiction and an exploration of the diversity of literary expression. Students study the elements of each of the primary genres and examine their interrelationships and functioning in particular works. In the course a wide range of writings are studied, including those by women and men, those representative of diverse literary traditions (including British, American, European, and non-Western), and those reflecting a variety of American ethnic and racial backgrounds. (Enrollment is limited to 16 students with preference to those preparing to teach in elementary, middle, or secondary school.)
- ENGL 212 Writing for College and Community 3 credits**
This course focuses on primary research and writing skills as tools to explore the value of “service” within various subcultures. Students participate in service projects that meet actual community needs and reflect on the projects by thinking, talking, and writing about their experiences. Students increase knowledge of real life situations in the community and consider the effectiveness of state and nationally sponsored service organizations while examining various approaches to civic responsibility.
- ENGL 220 Writing for Business and Industry 3 credits**
This course is an introduction to writing for the business world. Subjects covered include employment documents (applications, cover letters, resumes, job descriptions); business letters; summaries; informal reports (trip reports, occurrence reports, investigative reports); procedural instructions; process descriptions; and various types of memoranda, including electronic.
- ENGL 223 Technical Writing 3 credits**
This is a workshop for training and practice in the written communication of specialized information to audiences with varying levels of knowledge. Emphasis is on the analysis of audience and purpose, the selection and organization of information, the creation of informative graphics, and the uses of conventional formats. Students learn to develop summaries and abstracts, instruction sets, proposals, progress and completion reports, and other types of written documents often required of professionals. Students make use of the College’s computer facilities for word processing and for generating graphs, tables, charts, illustrations, and other visuals. Offered Fall semester in odd-numbered years.
- ENGL 230 Writing and the Environment 3 credits**
This is an intermediate-level essay-writing course focusing on the development of such skills as observing, reflecting, making connections, classifying, and integrating. Essay assignments emphasize seeing the natural world from the broader perspective of understanding the interaction of nature with civilization, the symbiotic relationships inherent in nature, and the life cycles of nature. Preparation for writing assignments includes field trips and other activities both on and off the Bethany campus.
- ENGL 240 Creative Writing 3 credits**
This is an intensive course in imaginative writing. Students write sketches, short fiction, poems, and dramatic scenes. Students use the College’s computer facilities for independent writing, specific course assignments, in-class writing, electronic intra-class communication, small-group conferences, and submission of some assignments. (This course is required for students preparing to teach secondary school English. Enrollment is limited to 15 students with preference given to juniors and seniors.)
- ENGL 245-246 British Literature I & II 3 credits each**
These courses examine the development of British literature from the beginning through the 20th century. First Semester: from *Beowulf* through Milton. Second Semester: from the Restoration to the present.
- ENGL 250 American Literature 3 credits**
This course examines the development of American literature from the Colonial Period to the present.
- ENGL 264 Masterpieces of Drama 3 credits**
This course is a study of the development of Western drama. Emphasis is on the evolution of dramatic types and forms, on techniques for reading and understanding plays, and on the analysis and evaluation of dramatic works.
- ENGL 266 Masterpieces of European Literature 3 credits**
This course is an examination of major literary works by European writers in the 17th, 18th, and 19th centuries. Writings are studied by such authors as Voltaire, Molière, Rousseau, Stendhal, the brothers Grimm, Goethe, Flaubert, Tolstoy, Dostoyevski, Chekhov, Ibsen, and Strindberg.
- ENGL 267 Masterpieces of World Literature 3 credits**
This course is a study of literary works representing a cross-section of the world’s cultural traditions. Readings range from the ancient (such as the Sumerian Epic of Gilgamesh) to the contemporary (such as the novels of the Nigerian Chinua Achebe), from the East (such as the Japanese Noh and Kabuki plays) to the West (such as the magical realism of the Columbian Gabriel Garcia Márquez), and from the traditional (such as the Japanese haikus of Matsuo Basho) to the westernized (such as the modern Chinese poetry of Wen I-to); however, emphasis is on writing from more recent eras. The relationship of particular literary works to other aspects of the cultures in which they were produced (especially music and the visual arts) is examined. (Enrollment is limited to 16 students with preference to those preparing to teach in middle or secondary school.)

- ENGL 268 Modern World Literature 3 credits**
This is a study of the work of 20th century writers representing the diverse cultural traditions of the modern world. In addition to writings representing the western tradition, works are studied representing such traditions as the Eastern European, the Middle Eastern, the African, the Latin American, and the Asian.
- ENGL 270 Shakespeare 3 credits**
Major plays of William Shakespeare are studied in this course. Both the texts of the plays and the cultural context that produced them are examined.
- ENGL 275 American Short Stories 3 credits**
This course is a survey of the development of the short story in America from its beginnings in the early 19th century to the present. The course considers the short story as a literary form and examines major writers of short stories, such as Poe, Hawthorne, Twain, James, Chopin, Fitzgerald, Hemingway, O'Connor, Updike, Baldwin, Oates, Morrison, and Erdrich.
- ENGL 280 Short American Novels 3 credits**
This course is a study of the short novel and its development as a distinct genre in American literature.
- ENGL 311 Poetry Writing Workshop 3 credits**
This is an intensive workshop for training and practice in the writing of poetry. (Enrollment is limited.) Usually offered Spring semester in even-numbered years. *Prerequisite: ENGL 240 or an acceptable portfolio.*
- ENGL 312 Fiction Writing Workshop 3 credits**
This is an intensive workshop for training and practice in the writing of fiction. (Enrollment is limited.) Usually offered Spring semester in odd-numbered years. *Prerequisite: ENGL 240 or an acceptable portfolio.*
- ENGL 313 Creative Non-Fiction Writing Workshop 3 credits**
This is an extensive workshop for training and practice in the writing of creative non-fiction. (Enrollment is limited.) *Prerequisite: ENGL 240 or an acceptable portfolio.*
- ENGL 320 Women and Literature: The Middle Ages and Renaissance 3 credits**
This course explores women writers from the period whose work was largely ignored until the 20th century. Authors include Domna H. Garsenda, the Countesse of Dia, Marie de France, Julian of Norwich, Heloise, Christine de Pisan, Vittoria Colonna, Veronica Franco, Chiara Matraini, Gaspara Stampa, Laura Cereta, Marguerite de Navarre, Lousie Labe, Sor Juana Ines de la Cruz, Mary Sidney, Mary Wroth, Elizabeth Cary, and Margaret Cavendish. *Prerequisites: ENGL 245 or INTD 252.*
- ENGL 321 Women and Literature: Modern Western World 3 credits**
This is a study of poetry, fiction, drama, and non-fiction prose about women by British and European women writers. Emphasis is on literary responses to such subjects as childhood, adolescence, marriage, and old age; to the roles of daughter, sister, friend, lover, wife, and mother; to life-style and vocation; and to social issues. Consideration is also given to theoretical formulations about women and their social and literary functions.
- ENGL 340 Harry Potter: Background and Criticism 3 credits**
This course introduces students to the literary traditions upon which J. K. Rowling built the Harry Potter books, and on the discourse of theoretical and literary scholarship of her novels. Readings in the tradition include authors such as Hughes, Kipling, Nesbit, White, and Dahl, and scholarly approaches from Jungian, Freudian, Feminist, Marxist, Human Rights, and Ecological perspectives. *Prerequisite: One course in British Literature.*
- ENGL 351 Literary Criticism and Theory 3 credits**
This is a study of literary theory, the history of literary criticism, and applied approaches to literary criticism. Special emphasis is placed on the preparation of essays applying particular theories and demonstrating a variety of critical points of view.
- ENGL 360 Classic British Novels 3 credits**
This is a study of novels by major British writers from the 18th century to the mid-20th century. Emphasis is on the analysis of specific novels and their relationships to the development of British literature. Usually offered Fall semester in even-numbered years. *Prerequisites: ENGL 245, 246, or one of these courses and concurrent enrollment in the other.*
- ENGL 365 Classic American Novels 3 credits**
This is a study of novels by major American writers from the early 19th century to World War II. Emphasis is on the analysis of specific novels and their relationships to the development of American literature. Usually offered Fall semester in odd-numbered years. *Prerequisites: ENGL 255, 256, or one of these courses and concurrent enrollment in the other.*
- ENGL 366 Regional American Literature 3 credits**
This course allows students to focus on a distinct region of the United States by investigating how factors such as culture, history, and geography influence the region's literature. Students are encouraged to contact the instructor before registering in order to learn which region will serve as the focus of the semester's study.
- ENGL 370 Introduction to Linguistics 3 credits**
This course introduces the basic concepts and terminology of linguistics. It incorporates the study of the acquisition and development of language from the earliest babbling to mature language patterns, including the examination of typical language abilities of children at various ages. (This course may be taken for credit as WLAC 370.)

- ENGL 379 Systems of English Grammar and the Development of Modern English 3 credits**
This course is a study of the history of the English language and an investigation of systems of English grammar such as traditional grammar, structural grammar, transformational grammar, and the grammars of minorities. Offered only in Spring semester of odd-numbered years.
- ENGL 383 African American Novel 3 credits**
This course traces the evolution of the novel from the slave narrative through Reconstruction, the Harlem Renaissance, and the Black Arts Movement, to the neo-slave narrative and contemporary African American literature. While the novel is the focus of the course, special attention is paid to African American history and culture, as well as relevant scholarship and critical theory.
- ENGL 385 Women and Literature: The American Experience 3 credits**
This course centers around writings by American women about their experiences as they have imagined, theorized, and otherwise rendered them. Because the course focuses heavily on the act of reading and analyzing literary texts, historical background, literary theory, and students' critical thinking and writing figure prominently into the course.
- ENGL 411 Advanced Poetry Writing Workshop 3 credits**
This is an intensive workshop for advanced students writing poetry (Enrollment is limited.) *Prerequisite: ENGL 311.*
- ENGL 412 Advanced Fiction Writing Workshop 3 credits**
This is an intensive workshop for advanced students writing fiction. (Enrollment is limited.) *Prerequisite: ENGL 312.*
- ENGL 413 Advanced Creative Nonfiction Writing Workshop 3 credits**
This is an intensive workshop for advanced students writing nonfiction. (Enrollment is limited.) *Prerequisite: ENGL 313.*
- ENGL 420-429 Seminar in Comparative Literature 3 credits each**
These seminars provide students with the opportunity to study and compare literary works produced in a variety of cultural contexts. Works not written in English are studied in English translations. *Prerequisite: Previous study of authors, periods, movements, or traditions relevant to the specific seminar topic.*
- ENGL 421 History of the Western Erotic Lyric 3 credits**
This course is an advanced study of Western erotic lyric poetry from the classical world to the seventeenth century. Among the writers considered are Sappho, Catullus, Propertius, Dante, the trobar and trobairitz poets, Petrarch, Gaspara Stampa, Ronsard, Sidney, Shakespeare, Carew, and Lovelace. This course is research based: students do research weekly and prepare seminar research essays.
- ENGL 430-449 Seminar in British Literature 3 credits each**
These seminars provide students with the opportunity to study an author, period, movement, or tradition in British literature. (Enrollment in each course limited to 12 students. Topics change regularly.) *Prerequisite: previous study of the author, period, movement, or tradition in a survey course.*
- ENGL 430 Chaucer 3 credits**
This course is a study of major works by Geoffrey Chaucer, with special attention given to his language, life, and times.
- ENGL 433 The Restoration 3 credits**
This course examines the literature of the Restoration period of English History. With the restoration of the Stuarts, England authorized women on the stage and in the literary marketplace, and nourished the development of the early novel and experimental science. The literature strains to balance political liberty and personal libertinism with censorship and restraint, grapples with gender roles and sexual morality, and gives rise to one of the greatest periods of English comedy. Writers examined include Milton, Congreve, Wycherly, Ethridge, Behn, Centlivre, Bunyan, Pepys, Dryden, Waller, and Rochester.
- ENGL 434 Jane Austen and Virginia Woolf 3 credits**
This course is a study of the works of Jane Austen and Virginia Woolf. Texts may include *Northanger Abbey*, *Sense and Sensibility*, *Pride and Prejudice*, *Emma*, *Mrs. Dalloway*, *To the Lighthouse*, *Roger Fry*, *A Room of One's Own*, and *Orlando*, as well as letters, diaries, short fiction, and essays.
- ENGL 435 Brides, Bribes, and Bibles: The Early English Renaissance 3 credits**
The course investigates the late birth of the Renaissance in England. In the 1480's the War of the Roses concluded and attention turned to the continent, as commercial publishing and Renaissance art and scholarship moved into the culture for the first time. Emphasis is on writers such as Malory, Tyndale, More, Skelton, Elyot, Heywood, Udall, Askew, Wyatt, and Surrey, and the adoption of Renaissance fashions in philosophy, literature, music, and art into a distinctly English form.
- ENGL 440 Topics in Shakespeare 3 credits**
This is an advanced study of Shakespeare's works and times, focusing on a particular genre (history, romance, comedy, tragedy) or theme (the family, kingship, courtship, Shakespeare and his sources, etc.).
- ENGL 441 Twentieth Century British Writers 3 credits**
This is a study of major British writers of the 20th century. Among the writers discussed are Joyce, Eliot, Yeats, Woolf, Lessing, Beckett, and Pinter.

ENGL 443 Seventeenth Century British Literature **3 credits**
This is a study of plays, poetry, and criticism of Ben Jonson; the Cavalier poets (Herrick, Lovelace, Suckling, and Waller); the Metaphysical poets (Donne, Herbert, Vaughn); the work of Samuel Pepys; and plays and criticism by Dryden.

ENGL 444 Elizabethan Drama **3 credits**
This course is a close reading of plays written by Shakespeare's contemporaries. Emphasized is the work of Ben Jonson and Christopher Marlowe.

ENGL 445 Victorian Writers **3 credits**
This is an investigation of major poems by Tennyson and Browning, poems and criticism by Arnold, and novels by Dickens, Thackeray, and George Eliot.

ENGL 446 Milton **3 credits**
This is a study of *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes*, with some attention to the sonnets, other minor poems, and the *Areopagitica*. Emphasis is on Milton's theological ideas, architectonics, and relationships with the literature and political developments of his age.

ENGL 447 Eighteenth Century British Literature **3 credits**
This is a study of eighteenth century British writing. The first half emphasizes the neo-classical satirists, including Dryden, Pope, Swift, and Addison and Steele. The second half emphasizes the Johnson circle, including Samuel Johnson, Boswell, and Goldsmith. Pre-Romantic writers such as Gray, Thomson, and Burns are also considered.

ENGL 449 British Romanticism **3 credits**
This is a study of major British authors of the Romantic Period and the influences upon them. The course investigates works in various imaginative genres and the biographical and philosophical works of the period. Emphasis is on writers such as Blake, Mary Shelley, Percy Bysshe Shelley, William and Dorothy Wordsworth, Coleridge, Byron, and Keats.

ENGL 450-459 Seminar in American Literature **3 credits each**
These seminars provide students with the opportunity to study an author, period, movement, or tradition in American literature. (Enrollment in each course limited to 12 students. Topics change regularly.) *Prerequisite: previous study of the author, period, movement, or tradition in a survey course.*

ENGL 453 Contemporary American Poetry **3 credits**
This course analyzes trends in recent American poetry since 1980. Students examine postmodern aesthetics that include post-confessional, documentary poetics, the New Sincerists, and the post-avant garde movements, among others.

ENGL 454 Hemingway **3 credits**
This is a study of Hemingway's fiction from *In Our Time* through *The Garden of Eden*. Emphasis is on the evolution of Hemingway's themes and style, on his revision process, and on the relation of his life to his work.

ENGL 455 American Women's Poetry 1800-Present **3 credits**
This course is an examination of American poetry by women writing in the nineteenth, twentieth, and twenty-first centuries. Writers whose poems may be studied include--but are not limited to--Emily Dickinson, Gertrude Stein, Mina Loy, Djuna Barnes, Audre Lorde, Lucille Clifton, Adrienne Rich, Sylvia Plath, Anne Sexton, Brenda Hillman, Marilyn Kallet, and Lyn Hejinian.

ENGL 456 Race, Gender, and Power in Early American Literature **3 credits**
This course is an examination of Early American Literature from the 16th century through the early 19th century. Students will read primary texts and secondary criticism paying particular attention to how race, gender, and power govern the writing and reception of Early American works. Writing requirements include brief response papers and formal seminar papers.

ENGL 462 Films of Alfred Hitchcock **3 credits**
This is a critical examination of cinematic technique and thematic concerns in major films by Alfred Hitchcock, such as *The Lodger*, *Blackmail*, *Shadow of a Doubt*, *Notorious*, *Vertigo*, *Rear Window*, *North by Northwest*, and *Psycho*. *Prerequisite: COMM/ENGL 160.*



ENGL 477 Senior Seminar 3 credits
This course is a reading and research seminar designed to assist students to review, organize, and synthesize their knowledge of literature. (The course is open to qualified juniors intending to take comprehensive examinations in January.) *Prerequisites: ENGL 156, 245, 246, 255, 256, or permission of the instructor.*

ENGL 480 Methods of Teaching English 3 credits
This course is a study of materials and methods used in teaching middle and secondary school English. The course focuses on theories and contemporary practices. Particular emphasis is on examining important works of literature about or of special interest to adolescents, developing an understanding of and appreciation for adolescent literature, and learning and applying strategies and techniques for presenting the works to students. Also emphasized are learning and applying strategies for assessing and improving the reading skills of students. (This course may be taken for credit as EDUC 480. A 30 hour field placement is required.) Offered only in Spring semester of odd-numbered years. *Prerequisites: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to the teacher education program.*

ENGL 481 The Practice of Tutorial Writing 1 credit
This is an activity course providing instruction and practice in peer tutoring. Students enrolled in the course gain practical experience by serving as tutors in First-Year Seminars and/or the Writing Center. (CR/NCR only.) *Open only to students selected by the Course Instructor.*

ENGL 483 Teaching Composition and Language 3 credits
This course examines historical and current theories of composition as a conceptual background for both teaching and writing, with emphasis on the writing process. Students practice both writing and teaching writing and learn and apply strategies for teaching grammar and integrating instruction in grammar with instruction in composition. Offered only in Spring semester of odd-numbered years.

ENGL 484 Methods of Teaching English as a World Language: Selected Methodological Issues 3 credits
This course introduces methods and materials necessary for teaching English as a second language and provides instruction and practice in planning lessons and extracurricular activities. (This course may be taken for credit as WLAC 484 or EDUC 484.)

ENGL 487-488 Independent Study 1-4 credits
The Department provides an opportunity for study in any area of English for which the student is qualified. Independent study is intended to supplement regular course offerings. *Prerequisite: Adequate preparation to undertake the study as determined by the instructor.*

ENGL 489 Internship 2-6 credits
The Department provides an opportunity for students to receive credit for an internship in any area of English for which the student is qualified. *Prerequisite: Adequate preparation to undertake the internship as determined by the Department.*

ENGL 490 Senior Project 2-4 credits
The senior project generally consists of a major critical paper on a topic developed from at least one of the student's elective courses in the department. Sometimes projects may take other forms. Reading, research, and writing are completed during the student's senior year, although the student is expected to consult with the chair of the Department and to begin preliminary work in the junior year.

ENGL 495 Comprehensive Exams
This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Religious Studies and Philosophy

Faculty

Brooke Lemmons Deal. *Associate Professor of Religious Studies, Co-Chair of the Department of Humanities and Co-Director of Interdisciplinary Studies*

Holly Hillgardner. *Assistant Professor of Religious Studies*

Harald J. A. Menz. *Professor of World Languages & Cultures, Co-Chair of the Department of Humanities and Co-Director of Interdisciplinary Studies*

Religious Studies Program Goals

The Religious Studies program at Bethany College is designed to achieve the following goals for its students:

- Biblical literacy
 - * Knowledge of biblical literature and familiarity with its influence on western thought and culture
- Religious literacy
 - * Knowledge of the intellectual, ritual, moral and practical dimensions of the world's major religions;

- * Appreciation for those traditions as dynamic, historically adaptive traditions by which human communities seek ultimate meaning or identify/construct an ultimate horizon under which meaning-making occurs;
- Cultural literacy
 - * Awareness of the interaction and mutual influence among religions and other forms of human endeavor in the arts, politics, literature, ethics, etc.
- Capacity for critical reading and thinking
 - * Ability to master new concepts and complex information;
 - * Recognize patterns and themes in and across difficult texts in the humanities;
 - * Pose relevant, critical questions on the basis of such reading
- Excellence in writing
 - * Ability to produce well-organized, grammatically-correct, rhetorically-persuasive arguments

Requirements for Major in Religious Studies

The following courses are required for all students: RELS 220, 224, 301, 311, 321, 326, 417, 490, 495; PHIL 355. In addition each student must complete two additional Religious Studies courses at the 200 or 300 level. At least one of the two should be in a non-western tradition or topic.

Requirements for Minors

Philosophy: PHIL 100, 123, 124, and three upper level (200 or above) Philosophy courses.

Religious Studies: The Religious Studies minor requires a minimum of 15 credits in the department exclusive of the college Religious Studies requirement. The following courses are required: RELS 220, 301, and 311. At least one of the two additional courses must be a 200, 300, or 400 level course.

Religious Studies Courses

- RELS 100 Introduction to Religion: Texts, Contexts, Practices 3 credits**
 This course introduces students to the critical study of religions and to the character of religious traditions as living, dynamic communities of interpretation with textual, ritual, moral, philosophical and practical dimensions. The course considers three different religious traditions through the lens of a topic or problem with which religions are concerned or through which they can be usefully analyzed. The topic and the traditions vary with the expertise and interest of the professor teaching the course, but one eastern tradition and one biblical tradition are always included. Attention is given to the nature and definition of religion and to methodologies in the critical study of religion.
- RELS 210 Yoga and Meditation 3 credits**
 Through a concentrated study of yoga asanas (postures), mantras (chants), pranayama (breath work), meditation techniques, and religious and philosophical scriptures, students have the opportunity to learn the history, philosophy, and techniques of several styles of yoga.
- RELS 220 Introduction to World Religions 3 credits**
 Introduction to World Religions is a thematic introduction to the study of religion and examines the multiplicity of ways in which humans throughout the world find and create meaning and value in their lives. Primary religious traditions of both the East and West, including ancient indigenous cultures and their contemporary expressions, are studied.
- RELS 224 Religion and Culture 3 credits**
 Religion and Culture explores the relationship between religion and culture and the variety of ways in which they are mutually interactive in the construction of, for example, meaning, values, worldviews, practices, institutions, and artifacts. As part of that exploration, the course undertakes a critical analysis of the theoretical and methodological concerns associated with the academic study of religion.
- RELS 229 Christianity 3 credits**
 This course begins with a brief examination of Jesus and the birth of the Christian movement; then focuses on the major institutional, theological and ritual developments that occurred in Christianity over the period in which Roman rule gave way to the Byzantine Empire. The second part of the course narrows its scope to Christianity in the west through a selective analysis of key periods and issues...[including] intellectual ferment and Christian interaction with Jews and Muslims in the Middle Ages; the 16th century Reformation; colonial expansion and inter-religious encounter; and Christianity and modernity.
- RELS 231 Judaism 3 credits**
 This course will explore the origins of an ancient faith through a close examination of the early traditions and laws presented in the Hebrew Bible as well as the various cultural contexts of the ancient Near East that influenced them. The course utilizes the Hebrew Bible, portions of the Babylonian Talmud, and the Zohar to trace the development of these ancient traditions and practices into the various branches of modern Judaism and the foremost concerns and challenges faced by the modern Jewish communities.
- RELS 235 Sex, the Body, and Religion 3 credits**
 This course examines the origins of attitudes and beliefs in the Judeo-Christian traditions concerning human sexuality and

the human body. Focus is on the contribution of such beliefs in the evolving relationship between the individual and society. The course begins with an exploration of Levantine fertility cults and traces their influence on early Judaism. Moving toward the emergence and eventual spread of Christianity, discussion centers on the continued influence of Near Eastern fertility traditions on gender differentiation, the “fall” of humanity, and procreation. Topics such as marriage and divorce, birth control and abortion, asceticism and celibacy, and death and resurrection of the body will be discussed within the context of Judeo-Christian tests and traditions.

RELS 239 Hinduism 3 credits
Using both a thematic and historical approach, this course examines Hindu religious life, as it is embedded in both ancient and modern India and Bali as well as twenty-first century life in the United States. Course topics include the study of primary texts from the literary, devotional and philosophical strands of Hinduism, as well as study of such Hindu concepts as devotion, (*bhakti*), action (*karma*), knowledge (*jnana*), ethics, and the major schools of thought. Emphasis will be given to both the practice and religious ideas of Hindus.

RELS 241 Religious and Psychological Lenses on Social Justice 3 credits
In this cross-listed, interdisciplinary course, religious studies and psychological lenses are employed to examine issues of social justice, including factors which either promote or interfere with the creation of communities that value inclusion, diversity, and peace. Aiming to foster a concern for social justice, the course provides theoretical and practical tools to challenge injustice, including opportunities to think and work alongside local advocacy organizations. (This course may be taken for credit as PSYC 241.)

RELS 251 Death and the Afterlife 3 credits
Death and the Afterlife is a critical examination of literature from the ancient Near East including the Bible, that deals with death, dying, and the “next life,” an examination of the ways Western culture has attempted to address and understand these issues, and a comparative analysis of similar themes in a variety of non-Western traditions. The course examines ways in which various constructions of “heaven” and “hell” reflect the influence of ancient religious thought and literature on modern social structures, social values, and notions of justice.

RELS 259 Special Topics in Religious Studies 3 credits
From time to time, topics will be offered under this designation to address issues of particular currency, pursue topics of interest to students, or to make faculty research projects available for student learning.

RELS 270 Introduction to Hebrew Language I 4 credits
This course provides the student with a working knowledge of biblical and modern Hebrew. With the successful completion of this course, the student will be able to read selected passages of narrative in biblical and modern texts with the aid of a lexicon/dictionary, will gain knowledge of modern Hebrew in both written and spoken form and will strengthen her/his cultural understanding of ancient and modern Israel. Students will build a strong knowledge base in Hebrew vocabulary, verb paradigms, and grammar essentials. (This course may be taken for credit as HEBR 110.)

RELS 271 Introduction to Hebrew Language II 4 credits
This course provides further advancement of a student’s knowledge of biblical and modern Hebrew. Students will become adept in the usage of a Hebrew-English dictionary/lexicon for translation of texts in biblical and modern contexts and will improve their conversational skills in modern Hebrew. Students will continue to build a strong knowledge base in Hebrew vocabulary, verb paradigms, and grammar. (This course may be taken for credit as HEBR 120.)

RELS 301 Poetry, Prophecy, and (Poly)theism: A Critical Analysis of the Hebrew Bible 3 credits
This course is an historical-critical analysis of the books of the Hebrew Bible that emphasizes the historical, social, and ideological dynamics of various authorial traditions within this corpus. Additionally, these texts are analyzed within modern interpretive frameworks in order to recognize the ways in which themes from the Hebrew Bible continue to play a role in the construction of Western thought and culture.

RELS 305 Introduction to Biblical Archaeology 3 credits
This course is an introduction to the archaeology of the ancient Near East as it pertains to the Hebrew Bible. The initial phase of this course will explore basic archaeological field methods, terminology, and chronologies, and will offer a brief history of “biblical archaeology.” The second phase of the course examines a variety of major excavations throughout the Middle East and presents an overview of the archaeological data from these sites, ranging (in most cases) from the Late Bronze Age through Iron Age II.

RELS 311 Studies in the Gospels 3 credits
Studies in the Gospels is an introduction to methods of critical analysis in New Testament interpretation, highlighting the messages presented by the writers of the synoptic gospels. Students explore the ways in which both traditional and contemporary methods of exegetical analysis contribute to the discussion of the “historical” Jesus of Nazareth.

RELS 321 Myth, Symbol, and Ritual 3 credits
This course explores the relationship between ritual practices, symbols deployed in ritual actions, and the narrative and metaphysical elements of religious belief. Classical and contemporary formulations of this relationship will be considered. The course constitutes a critique of the popular reduction of religions to “belief systems” and gives special attention to the importance of ritual and the practices of the body in the construction of a religious worldview.

- RELS 326 The World of Late Antiquity 3 credits**
 The World of Late Antiquity surveys the many different and competing elements of religious views found in ancient Greco-Roman culture through the first five centuries of the common era. Particular attention is given to the philosophical, sociological, theological, and political environment of ancient Mediterranean culture in an effort to understand the influence these views had on the Western tradition. (This course may be taken for credit as HIST 309.)
- RELS 337 Religion and Philosophy in the Middle Ages 3 credits**
 The focus of this course is the development of religious and philosophical thought in the European Middle Ages, understood as the period from about the fourth to the fifteenth century. It addresses the roots of Medieval thought, the varieties of Medieval thought within and across the three European religions of the Middle Ages (Judaism, Christianity, and Islam), and of course Medieval religious practice, both authorized and otherwise. The course will explore the nature of intellectual and practical creativity, autonomy and authority during the period; key religious imagery (e.g. Jesus as mother); key philosophical trends and concerns (e.g. the problem of universals, mind and the active intellect, semiotics, the development of universities, etc.); and the inter-religious dialogue, tolerance, and violence. (This course may be taken for credit as PHIL 337.)
- RELS 352 Islamic Civilization 3 credits**
 This course is a survey of the emergence of Islam during late Roman antiquity and the middle ages, highlighting the life of the prophet Mohammed and the development of Islamic religion, philosophy, and literature in the early Islamic empires. Also considered is the development of Islamic fundamentalism in the modern world and institutional, operational, and environmental factors which demonstrate differences between the Islamic and the Western worlds. (This course may be taken for credit as HIST 329.)
- RELS 417 A History of Biblical Interpretation 3 credits**
 A History of Biblical Interpretation undertakes a detailed analysis of the socio-cultural, historical, political, ideological, philosophical, methodological, and theological dynamics involved in the interpretation of the Bible in Western culture with particular emphasis on the modern period. Topics include the nature and role of authority, epistemology, science and religion, institutions and power, the development and rise of the historical-critical method, and the role of the church in the interpretation of the Bible.
- RELS 487-488 Independent Study 3 credits**
- RELS 490 Senior Project 2-4 credits**
- RELS 495 Comprehensive Exams**
 This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Philosophy Courses

- PHIL 100 Introduction to Philosophy 3 credits**
 This course is an introductory-level exploration of the major sub-divisions of the field of philosophy. Topics include such areas as logic, responsibility, ethics, virtue, political philosophy, metaphysics, epistemology, philosophy of religion, philosophy of science, personhood, and "the nature of philosophy."
- PHIL 123 Introduction to Logic 3 credits**
 This course is intended for those who are beginning the study of logic. Distinctions are drawn between deductive and inductive procedures; informal and formal fallacies are studied; formal argument structures are noted; and methods of distinguishing between valid and invalid argument forms are introduced (including Venn Diagrams, Rule Sets, Truth Tables, and Rules of Inference).
- PHIL 124 Introduction to Ethics 3 credits**
 A major goal of this course is to provide students with the opportunity to acquire basic knowledge of the fundamental principles and beliefs upon which individuals and groups have built or thought they built a system of morals or "ethics." A variety of ethical stances are studied, with attention given to when they arose, the basis of their apparent appeal, and the consequences of acting in accord with those stances.
- PHIL 250-259 Special Topics in Philosophy 3 credits each**
- PHIL 252 Philosophy of Mysticism 3 credits**
 Major emphasis in this study is given to trying to understand the basic claims that mystics make, assessing the kinds of certainty, truth, and insight claimed, and exploring the place of "the mystical" in human experience. Students examine what is involved in the experience and claims of several mystical groups or representatives from ancient to contemporary times.
- PHIL 254 Contemporary Ethical Issues 3 credits**
 The focus of this course is "applied philosophy." Typical of such endeavors, Phase One is considered an "informed" background through a sweeping survey of the major strengths and weaknesses of the most popular and most tenable "ethical" stances. Then Phase Two is undertaken, involving a critical exploration of several ethical issues in the context of "morality and social policy," e.g. euthanasia, the death penalty, hate speech, sexism, racism, oppression, economic justice, and welfare.
- PHIL 333 History of Philosophy: Ancient through Modern 3 credits**
 Emphasis is placed on the dialogue-like journey of ideas through the minds of men and women through history and the

consequences of changed interpretations of persons and institutions through different historical eras. In this study process students discover and evaluate common Twentieth Century assumptions. Through tracing development and change of Western philosophy from the Pre-Socratic through the Modern eras, study focuses upon such topics as Metaphysics, Epistemology and Methods/Models, Ethics, Political Philosophy, and Philosophy of Religions.

PHIL 334 Existential Philosophy

3 credits

This course involves a study of works of certain predecessors of existentialism, the influences of Kierkegaard and Nietzsche, and themes and issues portrayed in selected works of Sartre, Camus, and others that may be taken as typical of that amorphous movement in the history of philosophy known as Existentialism.

PHIL 336 Twentieth-Century Philosophy

3 credits

The focus of this course is on selected works of several Continental and Anglo-American thinkers who have stimulated the “intellectuals” of the 20th century. Some have achieved a status equivalent to the “canonical” in philosophy; others have not as yet, but may be on their way.

PHIL 337 Religion and Philosophy in the Middle Ages

3 credits

The focus of this course is the development of religious and philosophical thought in the European Middle Ages, understood as the period from about the fourth to the fifteenth century. It addresses the roots of Medieval thought, the varieties of Medieval thought within and across the three European religions of the Middle Ages (Judaism, Christianity, and Islam), and of course Medieval religious practice, both authorized and otherwise. The course will explore the nature of intellectual and practical creativity, autonomy and authority during the period; key religious imagery (e.g. Jesus as mother); key philosophical trends and concerns (e.g. the problem of universals, mind and the active intellect, semiotics, the development of universities, etc.); and the inter-religious dialogue, tolerance, and violence. (This course may be taken for credit as RELS 337).

PHIL 350-359 Advanced Topics in Philosophy

3 credits each

PHIL 353 History and Philosophy of Science

3 credits

This course is a study of the major ideas conceived by western thinkers in attempting to comprehend and describe the natural world. (This course may be taken for credit as GENS 353).

PHIL 355 Philosophy of Religion

3 credits

The major aspects of religion are examined from a philosophical perspective. Topics studied are the religious experience, the meaning and significance of faith, belief and criteria, knowledge, proof, evidence, and certainty, the concept of deity, and the impact of religion on human life.

PHIL 358 Aesthetics, the Arts, and Philosophy

3 credits

This study is an examination of the nature of aesthetic experience, its relation to other kinds of experience, and its place in art production, appreciation, and creativity; the notion of a work of art; language used in description, interpretation, and evaluation of art; and differing interpretations of aesthetics. Opportunities are provided for giving special attention to particular art areas as well as to “the Arts.”

PHIL 361 Ancient and Medieval Political Thought

3 credits

This course provides an introduction to ancient and medieval political thought. Fundamental questions examined include: What is the relationship between ethics and politics?; What is a good regime?; What is a good citizen?; What is the relationship between law and ethics?; What is the relationship between theology and political thought? Students are guided in a close reading of important political works, including Plato’s *Apology* and *Republic*, Aristotle’s *Nicomachean Ethics* and *Politics*, and Augustine’s *City of God*. (This course can be taken as POLS 361.)

PHIL 362 Modern Political Thought

3 credits

As an introduction to modern and post-modern political thought, students examine the writings of important political thinkers of the past 500 years, including Machiavelli, Hobbes, Locke, Marx, Nietzsche, Dostoyevsky, and Camus. Emphasis is on the development of liberal democratic thought and its many recent critiques, including Marxism, feminism, and communitarianism. (This course can be taken as POLS 362.)

PHIL 451 Advanced Ethical Theory

3 credits

This course is a study of one or more modern ethical theorists and their challenges to (or defenses or reformulations of) classical ethical thinking. The course may be taught in a variety of ways, including focusing on a single theoretical issue and its practical ramifications or a single practical problem and its theoretical responses, a single philosopher or even single work. A major research project and presentation are required components.

PHIL 487-488 Independent Study

2-4 credits

World Languages & Cultures

Faculty

Harald J. A. Menz. *Professor of World Languages & Cultures, Co-Chair of the Department of Humanities and Co-Director of Interdisciplinary Studies*

Joseph B. Lovano. *Professor of World Languages & Cultures*

Brooke Lemmons Deal. *Associate Professor of Religious Studies, Co-Chair of the Department of Humanities and Co-Director of Interdisciplinary Studies*

World Languages and Cultures Program Goals

The World Languages and Cultures program is designed to achieve the following goals for their students:

- Communication: Communicate in Languages Other Than English
 - * Students engage in conversations, provide and obtain information, express feelings and emotions, and exchange opinions
 - * Students understand and interpret written and spoken language on a variety of topics
 - * Students present information, concepts, and ideas to an audience of listeners or readers on a variety of topics
- Cultures: Gain Knowledge and Understanding of Other Cultures
 - * Students demonstrate an understanding of the relationship between the practices and perspectives of the cultures studied
 - * Students demonstrate an understanding of the relationship between the products and perspectives of the culture studied
- Connections: Connect with Other Disciplines and Acquire Information
 - * Students reinforce and further their knowledge of other disciplines through the foreign language
 - * Students acquire information and recognize the distinctive viewpoints that are only available through the foreign language and its cultures
- Comparisons: Develop Insight into the Nature of Language and Culture
 - * Students demonstrate understanding of the nature of language comparisons of the language studied to their own
 - * Students demonstrate understanding of the concept of culture through comparisons of the cultures studied and their own
- Communities: Participate in Multilingual Communities at Home and Around the World
 - * Students use the language both within and beyond the school setting
 - * Students show evidence of becoming life-long learners by using the language for personal enjoyment and enrichment.

Requirements for a Major in German Studies (Interdisciplinary)

German Studies is an interdisciplinary major. Please see the Interdisciplinary section of this *Catalogue* for the requirements.

Requirements for a Major in Spanish

A minimum of 30 credits in Spanish beyond SPAN 130, including SPAN 210, 220, 221, 320, 321, 330, 420, 421, 422, 423; WLAC or ENGL 370; SPAN 490, 495. Additional requirements include two courses from BUSI 308, COMM 403, HIST 309 or RELS 326, HIST 311, 312, 313, 328, INTD 251, 252, 253, POLS 243, 253, PHIL/RELS 337, VISA 100, 101. Students in the Spanish major are strongly encouraged to consider a semester study abroad or one/two short term study abroad experiences in a country where Spanish is spoken. This experience will enhance the student's proficiency in the Spanish language and Hispanic cultures. Bethany College maintains a program at the University of Navarra in Pamplona, Spain. Additionally, the major advisor will work closely with students who plan to study abroad to ensure transfer equivalencies for courses taken at other institutions.

Requirements for Teaching Certification

Spanish: Only students who have completed the following courses will be recommended for state certification to teach Spanish: SPAN 110, 120, 130, 220, 221, 320, 321, 330, 420, 421, 422, 423; WLAC or ENGL 370; WLAC or EDUC 480; WLAC 481; the courses in the Professional Education Requirements described in the Education section of this *Catalogue*. *The following are prerequisites for student teaching: WLAC or EDUC 480; WLAC 481; and a minimum level of Advanced Low on the ACTFL Oral Proficiency Interview.*

Requirements for Minors in World Languages & Cultures

For each of the minors in World Languages & Cultures, a minimum of 12 credits above the 130 level are required as follows:

French: FREN 220, 221, either 320 or 321, either 420 or 421. (*Study abroad may replace either FREN 220 or 221.*)

German: GRMN 220, 221, either 320 or 321, 410, either 420 or 421. (*Study abroad may replace either GRMN 220 or 221.*)

Spanish: Four courses beyond SPAN 130, chosen from the following groups: one course from SPAN 220, 221; one course from SPAN 320, 321; one course from SPAN 420, 421, 422, 423; and one course from SPAN 210, 330, or an additional course from the courses listed in one of the first three groups. (*Study abroad may replace either SPAN 220 or 221.*)

Courses in Arabic Language & Cultures

ARBC 110 Arabic Language & Cultures I

4 credits

This is the first of a sequence of two courses emphasizing the acquisition of Arabic language skills needed to satisfy basic social requirements in Arabic-speaking countries. Listening, speaking, reading, and writing needs are addressed, as well as an introduction to Arabic cultures and issues. Arabic I is intended primarily for students who have no acquaintance with the language. (The course includes three classes and two practice sessions per week.)

ARBC 120 Arabic Language & Cultures II 4 credits
This is the second of two courses. See ARBC 110. *Prerequisite: ARBC 110 or equivalent.*

ARBC 320 Civilization of the Arabic-Speaking World 3 credits
This course acquaints the student with selected aspects of the history, culture, and people of the Arabic-speaking world. The course is conducted in English.

Courses in Chinese Language & Cultures

CHIN 110 Chinese Language and Culture I 4 credits
This is the first in a series of two courses emphasizing the acquisition of Mandarin Chinese language skills needed to satisfy basic social requirements in the Mandarin Chinese-speaking countries. Listening, speaking, reading, and writing needs are addressed, as well as an introduction to Chinese cultures and issues. Chinese I is intended primarily for students who have no acquaintance with the language. (This course includes three classes and two practice sessions per week)

CHIN 120 Chinese Language and Culture II 4 credits
This is the second of two courses (see CHIN 110). *Prerequisite: CHIN 110 or equivalent.*

CHIN 320 Chinese Civilization 3 credits
This course acquaints the student with the history, culture and people of China. The course is conducted in English.

Courses in French Language & Cultures

FREN 110 French Language & Cultures I 4 credits
This is the first of a sequence of three courses emphasizing the acquisition of French language skills needed to satisfy basic social requirements in French-speaking countries. Listening, speaking, reading, and writing needs are addressed, as well as an introduction to French cultures and issues. French I is intended primarily for students who have no acquaintance with the language. (The courses in the sequence include three classes and two practice sessions per week.)

FREN 120 French Language & Cultures II 4 credits
This is the second of three courses. See FREN 110. *Prerequisite: FREN 110 or equivalent.*

FREN 130 French Language & Cultures III 4 credits
This is the third of three courses. See FREN 110. *Prerequisite: FREN 120 or equivalent.*

FREN 220 Conversation and Composition: France 3 credits
Issues of contemporary life in France are explored through discussions and writing activities designed to improve the student's communication skills in French. *Prerequisite: FREN 130 or equivalent.*

FREN 221 Conversation and Composition: Francophone World 3 credits
While improving skills of spoken and written communication in French, the student becomes acquainted with selected areas of the French-speaking world. *Prerequisite: FREN 130 or equivalent.*

FREN 320 French Civilization 3 credits
This is an overview of France's past, with special attention to the events, places, people, ideas, and artistic works which make up its cultural heritage. The course is conducted in English.

FREN 321 Contemporary France 3 credits
Contemporary France is introduced with special attention to current French institutions, activities, issues, customs, and values. Cross-cultural comparisons and contrasts of France and the United States are highlighted. This course is conducted in English.

FREN 410 Topics in French Cultures and Literatures 3 credits
This advanced seminar highlights major literary and cultural movements, genres, issues, and people from the French-speaking world. *Prerequisite: FREN 220 or 221 or permission of instructor.*

FREN 420 Survey of French Literature I 3 credits
French literature is surveyed, from the earliest periods to the end of the 18th century. Readings are in French from an anthology. This course is conducted in French. *Prerequisite: FREN 220 or 221 or equivalent.*

FREN 421 Survey of French Literature II 3 credits
French literature of the 19th and 20th centuries is surveyed, with an introduction to *explication de texte* techniques. Readings are in French from an anthology. This course is conducted in French. *Prerequisite: FREN 220 or 221 or equivalent.*

FREN 487-488 Independent Study 2-4 credits

Courses in German Language & Cultures

GRMN 110 German Language & Cultures I

4 credits

This is the first of a sequence of three courses emphasizing the acquisition of German language skills needed to satisfy basic social requirements in German-speaking countries. Listening, speaking, reading, and writing needs are addressed, as well as an introduction to German cultures and issues. German I is intended primarily for students who have no acquaintance with the language. (The courses in the sequence include three classes and two practice sessions per week.)

GRMN 120 German Language & Cultures II

4 credits

This is the second of three courses. See GRMN 110. *Prerequisite: GRMN 110 or equivalent.*

GRMN 130 German Language & Cultures III

4 credits

This is the third of three courses. See GRMN 110. *Prerequisite: GRMN 120 or equivalent.*

GRMN 220 Conversation and Composition: Germany

3 credits

Contemporary life in Germany is explored through discussions and compositions designed to improve the student's communication skills in German. Oral and written activities are based on readings from newspapers, magazines, literary works, and online resources. Course materials help prepare students for the internationally recognized German Language Certificate, *Zertifikat Deutsch als Fremdsprache*. *Prerequisite: GRMN 130 or equivalent.*

GRMN 221 Conversation and Composition: The German-Speaking World

3 credits

While improving skills of spoken and written communication in German, the student becomes acquainted with selected areas of the German-speaking world outside Germany itself. Oral and written reports are based on readings from newspapers, magazines, literary works, and on-line resources. Course materials help prepare students for the internationally recognized German Language Certificate, *Zertifikat Deutsch als Fremdsprache*. *Prerequisite: GRMN 130 or equivalent.*

GRMN 320 Civilization of Germany

3 credits

This course acquaints the student with the history, culture, and people of Germany. The course is conducted in English.

GRMN 321 Civilization of the German-Speaking World

3 credits

This course is designed to acquaint the student with the history, culture, and people of German-speaking countries and regions outside Germany itself. The course is conducted in English.

GRMN 410 Topics in German Cultures and Literatures

3 credits

This advanced seminar highlights major literary and cultural movements, genres, issues, and people from the German-speaking world. *Prerequisite: Permission of instructor.*

GRMN 420 Survey of German Literature I

3 credits

German literature is surveyed, encompassing works from the earliest periods to the beginning of the 19th century. This course is conducted in German. *Prerequisite: GRMN 220 or 221 or equivalent.*

GRMN 421 Survey of German Literature II

3 credits

German literature is surveyed, encompassing works from the Romantic period to the present. This course is conducted in German. *Prerequisite: GRMN 220 or 221 or equivalent.*

GRMN 477 Senior Seminar in German Studies

3 credits

This course is a review of material covered throughout the German Studies Program, and is designed to establish relationships with the secondary emphasis developed by the student. It provides guidance for the Senior Project and preparation for the Senior Comprehensive Exam. *Prerequisite: Permission of the instructor.*

GRMN 487-488 Independent Study

2-4 credits

Courses in Hebrew Language & Cultures

HEBR 110 Introduction to Hebrew Language I

4 credits

This course provides the student with a working knowledge of biblical and modern Hebrew. With the successful completion of this course, the student will be able to read selected passages of narrative in biblical and modern texts with the aid of a lexicon/dictionary, will gain knowledge of modern Hebrew in both written and spoken form and will strengthen her/his cultural understanding of ancient and modern Israel. Students will build a strong knowledge base in Hebrew vocabulary, verb paradigms, and grammar essentials. (This course may be taken for credit as RELS 270.)

HEBR 120 Introduction to Hebrew Language II

4 credits

This course provides further advancement of a student's knowledge of biblical and modern Hebrew. Students will become adept in the usage of a Hebrew-English dictionary/lexicon for translation of texts in biblical and modern contexts and will improve their conversational skills in modern Hebrew. Students will continue to build a strong knowledge base in Hebrew vocabulary, verb paradigms, and grammar. (This course may be taken for credits as RELS 271)

Courses in Italian Language & Cultures

ITAL 110 Italian Language & Cultures I

4 credits

This is the first of a sequence of three courses emphasizing the acquisition of Italian language skills needed to satisfy basic social requirements in Italian-speaking countries. Listening, speaking, reading, and writing needs are addressed, and students are introduced to Italian cultures and issues. Italian I is intended primarily for students who have no acquaintance with the

language. (The courses in the sequence include three classes and two practice sessions per week.)

ITAL 120 Italian Language & Cultures II 4 credits
This is the second of three courses: See ITAL 110. *Prerequisite: ITAL 110 or equivalent.*

ITAL 130 Italian Language & Cultures III 4 credits
This is the third of three courses: See ITAL 110. *Prerequisite: ITAL 120 or equivalent.*

Courses in Japanese Language & Cultures

JAPN 110 Japanese Language & Cultures I 4 credits
This is the first of a sequence of three courses emphasizing the acquisition of Japanese language skills needed to satisfy basic social requirements in Japan. Listening, speaking, reading, and writing needs are addressed, as well as an introduction to Japanese cultures and issues. Japanese I is intended primarily for students who have no acquaintance with the language. (The courses in the sequence include three classes and two practice sessions per week.)

JAPN 120 Japanese Language & Cultures II 4 credits
This is the second of three courses: See JAPN 110. *Prerequisite: JAPN 110 or equivalent.*

JAPN 130 Japanese Language & Cultures III 4 credits
This is the third of three courses: See JAPN 110. *Prerequisite: JAPN 120 or equivalent.*

JAPN 222 Japanese Culture 3 credits
This course, taught in English, provides an introduction to modern Japanese culture and society through the study and practice of cultural activities. Students learn Japanese greetings and norms of social interaction and study the features of Japanese culture through the creation of artifacts and products associated with Japanese life and culture. Hands-on activities include Japanese calligraphy; origami (paper art); Ikebana (flower arranging); the production of Japanese cuisine such as sushi and yakisoba; the traditional tea ceremony; folk dancing; and the use of drums.

JAPN 321 Modern Japan 3 credits
This course is a basic survey of modern Japan. Following an introduction to geography and history, the course focuses on art, modern literature, cinema, culture, society, politics, economy, and current conditions in Japan. (This course may be taken for credit as HIST 331.)

Courses in Spanish Language & Cultures

SPAN 110 Spanish Language & Cultures I 4 credits
This is the first of a sequence of three courses emphasizing the acquisition of Spanish language skills needed to satisfy basic social requirements in Spanish-speaking countries. Listening, speaking, reading, and writing needs are addressed, as well as an introduction to Hispanic cultures and issues. Spanish I is intended primarily for students who have no acquaintance with the language. (The courses in the sequence include three classes and two practice sessions per week.)

SPAN 120 Spanish Language & Cultures II 4 credits
This is the second of three courses. See SPAN 110. *Prerequisite: SPAN 110 or equivalent.*

SPAN 130 Spanish Language & Cultures III 4 credits
This is the third of three courses. See SPAN 110. *Prerequisite: SPAN 120 or equivalent.*

SPAN 210 Special Topics 3 credits
This course is intended to provide specialized Spanish language skills for various professional fields and for field placement experiences. Various topics such as Spanish for Business, Spanish for Legal Professions, Spanish for Medical Professions, and short term study abroad may be offered. *Prerequisite: SPAN 130 or permission of the instructor.*

SPAN 220 Conversation and Composition: Spain 3 credits
Issues of contemporary life in Spain are explored through discussions and writing activities designed to improve the student's communication skills in Spanish. *Prerequisite: SPAN 130 or equivalent.*

SPAN 221 Conversation and Composition: Latin America 3 credits
While improving skills of spoken and written communication in Spanish, the student becomes acquainted with selected areas of Spanish-speaking countries in Latin America. Hispanic communities in the United States are included. *Prerequisite: SPAN 130 or equivalent.*

SPAN 320 Civilization of Spain 3 credits
This course acquaints the student with the history, culture, and people of Spain. The course is conducted in English.

SPAN 321 Civilization of Latin America 3 credits
This course acquaints the student with the history, culture, and people of Spanish-speaking countries in Latin America. Hispanic communities in the United States are included. The course is conducted in English.

SPAN 330 Advanced Composition and Translation 3 credits
This course focuses on advanced Spanish composition that develops students' abilities in composition tasks thereby enhancing their writing skills. The course also provides students with basic skills in translation from Spanish to English and English to Spanish. This course is conducted in Spanish. *Prerequisite: SPAN 220 or 221 or equivalent.*

- SPAN 410 Topics in Peninsular Spanish and Latin American Cultures and Literatures 3 credits**
This advanced seminar highlights major literary and cultural movements, genres, issues, and people from the Spanish-speaking world. *Prerequisite: SPAN 220 or 221 or permission of instructor.*
- SPAN 420 Survey of Peninsular Spanish Literature I 3 credits**
This course provides a panoramic view of Spanish literature from the earliest periods to the end of the Golden Age. The course is conducted in Spanish. *Prerequisite: SPAN 220 or 221 or equivalent.*
- SPAN 421 Survey of Latin American Literature I 3 credits**
This course provides a panoramic view of Latin American literature from the Colonial period to the end of Modernism. Hispanic literature of the United States is included. The course is conducted in Spanish. *Prerequisite: SPAN 220 or 221 or equivalent.*
- SPAN 422 Survey of Peninsular Spanish Literature II 3 credits**
This course provides a panoramic view of Spanish literature from the Enlightenment period to the present. The course is conducted in Spanish. *Prerequisite: SPAN 220 or 221 or equivalent.*
- SPAN 423 Survey of Latin American Literature II 3 credits**
This course provides a panoramic view of Latin American literature from the Postmodernist period to the present. Hispanic literature of the United States is included. The course is conducted in Spanish. *Prerequisite: SPAN 220 or 221 or equivalent.*
- SPAN 487-488 Independent Study 2-4 credits**
- SPAN 490 Senior Project 2-4 credits**
- SPAN 495 Comprehensive Exams**
This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Courses in World Languages

- WLAC 150 English as a Second Language I 3 credits**
This course emphasizes listening, speaking, reading, and writing skills needed by any international student to function satisfactorily in an American college setting. (Required of all newly entering international students whose native language is not English.)
- WLAC 151 English as a Second Language II 3 credits**
This course emphasizes listening, speaking, reading, and writing skills needed by international students to function satisfactorily in an American college setting. Intended for any student whose native language is not English and who has already taken WLAC 150.
- WLAC 370 Introduction to Linguistics 3 credits**
This course introduces the basic concepts and terminology of linguistics. It incorporates the study of the acquisition and development of language from the earliest babbling to mature language patterns, including the examination of typical language abilities of children at various ages. (This course may be taken for credit as ENGL 370.)
- WLAC 480 Methods and Materials in Teaching World Languages 3 credits**
A study of the methods, teaching materials, lesson planning, and extracurricular activities necessary for teacher of French, German, or Spanish as a world language. A 30-hour field placement is required. (This course may be taken for credit as EDUC 480.) *Prerequisites: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to the teacher education program; or permission of the instructor.*
- WLAC 481 World Languages for Middle Childhood: Selected Methodological Issues 1 credit**
A discussion of selected issues regarding methods, teaching materials, lesson planning, and extracurricular activities necessary for the middle childhood teacher of French, German, or Spanish as a world language. Special emphasis on aural-oral teaching techniques and characteristics of the transescent language learner. (This course is only offered in conjunction with WLAC 480.)
- WLAC 484 Methods of Teaching English as a World Language: Selected Methodological Issues 1 credit**
A discussion of selected issues regarding methods and materials necessary for teaching English as a second language and instruction and practice in planning lessons and extracurricular activities. (This course may be taken for credit as EDUC 484 or ENGL 484. This course is only offered in conjunction with WLAC 480.) *Prerequisites: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to the teacher education program.*
- WLAC 487-488 Independent Study in World Languages & Cultures 2-4 credits**

Interdisciplinary Studies

Interdisciplinary Studies is a program that houses courses and majors that cross departmental lines. The majors and minors can be student-initiated or faculty-sponsored.

Faculty

Brooke Lemmons Deal. *Associate Professor of Religious Studies, Co-Chair of the Department of Humanities and Co-Director of Interdisciplinary Studies*

Harald J. A. Menz. *Professor of World Languages & Cultures, Co-Chair of the Department of Humanities and Co-Director of Interdisciplinary Studies*

Program Goals

The Interdisciplinary Studies program at Bethany College is designed to achieve the following goals:

- Create a broader array of educational opportunities, including minors and majors, at Bethany College.
- Assist students to design, propose, and complete a coherent, individualized and interdisciplinary degree program that is not currently available at Bethany. Assist faculty to design, propose, and, for three years, administer interdisciplinary degree programs.
- Provide students in interdisciplinary majors with senior capstone experiences through interdisciplinary senior projects and comprehensive examinations.
- Foster the design and provision of interdisciplinary courses at Bethany College.

Requirements for Major

The Interdisciplinary Studies Department coordinates faculty-sponsored and student-initiated programs of study that cross departmental lines. The originator of an interdisciplinary major is responsible for establishing and justifying its goals and curriculum. The program must include at least 36 credits (excluding the Senior Project), but may not exceed 72 credits. No more than 48 credits in any one department can be counted toward fulfilling Bethany's degree requirements. The major must be approved by the Faculty Committee on Interdisciplinary Studies. Students must also pass the senior comprehensive exam, INTD 495.

Student-Initiated Interdisciplinary Majors

To initiate a major in Interdisciplinary Studies, a student must submit a formal proposal to the Director of Interdisciplinary Studies prior to the last day of classes before mid-term of the second semester of the sophomore year. (A later proposal may be considered if the student has already completed a significant part of the curriculum of the program or is willing to take more than the usual four years to complete degree requirements.) The proposal must follow guidelines established by the Faculty Committee on Interdisciplinary Studies and be prepared with the guidance of the Director of Interdisciplinary Studies.

The proposal must be approved by the Faculty Committee on Interdisciplinary Studies. A proposal is normally approved only from a student who has an overall grade-point average of 3.00 at the time the proposal is made. To continue in the program the student must maintain the 3.00 grade-point average during the semester in which the proposal is approved and during the following semester. (In special circumstances the Faculty Committee on Interdisciplinary Studies may waive grade-point requirements to consider a proposal from a student with a lower grade-point average and/or establish a lower grade-point requirement for that student's continuing in the program.)

When a proposal has been approved, it becomes the statement of goals and requirements for the student's major and is filed in the Office of the Registrar. It may not be modified without endorsement by the Director of Interdisciplinary Studies and approval of the Faculty Committee on Interdisciplinary Studies. The Director of Interdisciplinary Studies supervises the student's work in the program and serves as the student's academic advisor.

Faculty-Sponsored Interdisciplinary Majors

Education and Psychology

PSYC 100, 205, 315; two courses selected from PSYC 324, 325, 326; EDUC 203, 242, 348, 473; SOCI 150, 210; INTD 470, 477, 490, 495.

Environmental Science

BIOL 100, 108 or 110, 180, 221, 228, 231, 326, 343, 378, 379; CHEM 101, 102, 211, and either 315 or 335, with 335 preferred; GENS 202, 204, 220, 225; MATH 281 and 282, or PSYC 205 and 207; PHYS 103, or PHYS 201 and 202; INTD 490, 495. Recommended electives: BIOL 168, 169, 425; BUSI 222; CHEM 324; ECON 163; GENS 204; INTD 202; MATH 201; PHIL 124; POLS 253, 320, 325; PSYC 287; SOCI 150.

German Studies

A minimum of 30 credits in German beyond GRMN 130, including GRMN 220, 221; GRMN 320 or 321; GRMN 410; GRMN 420 or 421; GRMN 477; and 12-18 credits from the study abroad semester. Additional requirements include TWO courses from INTD 251, 252, and 253; WLAC/ENGL 370; INTD 490, 495; one semester of study abroad in an approved study abroad program in a German-speaking country (Bethany maintains an exchange program at the University of Education/Pädagogische Hochschule Heidelberg, Germany for which competitive partial scholarships are available. The major adviser will work closely with the students to organize the study abroad component.); a secondary emphasis comprising at least 12 credits from disciplines outside of GRMN: Students will determine these courses with their adviser no later than the second semester after the major was declared. Students who envision teaching German as part of their professional future are strongly encouraged to take WLAC 480 and 481 and to try out as apprentice teachers for GRMN 110-130. *Note: Completion of GRMN 220 or 221 is a prerequisite for study abroad.*

International Economics with Study Abroad

ACCT 202; BUSI 371; ECON 162, 163, 222, 301, 302, 304, 350, 360, 376, 476; ECON 113 or 260; ECON 205 or MATH 201; MATH 281, 282; POLS 243, 351 or 352; at least one language course (or equivalent proficiency) at the 130 level or above, and any language requirement for the study abroad program selected by the student; semester abroad, preferably in the Fall Semester of the junior year; INTD 490, 495.

International Relations

ECON 113, 162, 163, 260; HIST 101, 102, 314; one course selected from INTD 202, 203, 204, 253, 306; MATH 281; POLS 120, 243, 325, 341, 351, 352, 370; nine credits in courses in a world language beyond the 130 level, including either 220 or 221 (international students whose native language is not English may substitute for this world language requirement one course to enhance English language proficiency chosen from COMM 206, ENGL 212, 220, 230, 240, THEA 120, 221, or 226, and one course to promote understanding of contemporary American culture chosen from ENGL 250, 383, 385, HIST 202, 355, POLS 225, PSYC 250, or THEA 335); INTD 490, 495.

Music Technology

COMM 101, COMM 200, COMM 218, COMM 420; One of the following courses: COMM 392, COMM 393, COMM 395. MUSI 100: applied lessons in an instrument for 2 semesters (1 cr. each semester); MUSI 101-102; MUSI 104; ensemble credit (MUSI 105, 106, or 107) for 2 semesters (1 cr. each semester); COMM/MUSI 110, MUSI 114, COMM/MUSI 210; one course from either MUSI 103, MUSI 250 or MUSI 251; MUSI 171; MUSI 309; MUSI 477; INTD 490, 495.

Psychology, Religion, and Culture

INTD 204, 490, 495; PHIL 355, PSYC 100, PSYC 188, PSYC 230 or 231, PSYC 324 or 325, PSYC 328 or 329; RELS 220, 224, 235, 251; SOWO 120.

Interdisciplinary Minors

Medieval and Renaissance Studies: Fifteen credits including INTD 252; one course from the following: ENGL 245; FREN 320, FREN 420, or GRMN 420; one course from the following: ENGL 270, ENGL 440, ENGL 444, or other courses in the series ENGL 400-449 focusing on topics pertinent to the Middle Ages or Renaissance or both (as approved by the Director of Interdisciplinary Studies); one course from the following: MUSI 250, VISA 100, VISA 101, GENS 353 or PHIL 353, ENGL 320, HIST 311, courses in the series HIST 410-419 focusing on topics pertinent to the Middle Ages or Renaissance or both (as approved by the Director of Interdisciplinary Studies), POLS 361, one 3-credit independent study on a relevant topic taken at Bethany (with prior approval of the Director of Interdisciplinary Studies), or one 3-credit course on a relevant subject not included in the Bethany curriculum transferred to Bethany from another college (with approval of the Director of Interdisciplinary Studies).

Nonprofit Management: INTD 175, 320; ACCT 202, 203; PSYC/BUSI/ECON 287; ENGL 220; COMM 203; three credits from BUSI 482 or PHIL 124; COMM 206, 303; BUSI 311; ENGL 223; MATH 281 or PSYC 205.

Nonprofit Marketing: INTD 175, 320; ACCT 202, 203; ENGL 220; COMM/BUSI 203, 412; BUSI 310 (ECON 163 is a prerequisite for BUSI 310).

Women's Studies: 15 credits from the following courses: BIOL 115; COMM 346; ENGL 320, 321, 385, 434; INTD 204, 211, PSYC 210; RELS 235; SOCI 145; THEA 270.

Senior Year

Senior Comprehensive Examination: A student must have completed all required courses for the major except INTD 490 before taking the Senior Comprehensive Examination. A Senior Comprehensive Examination is designed specifically for each student to measure that student's knowledge and understanding of information, materials, and methods fundamental to the disciplines emphasized in the student's curriculum, to test the student's capacity for integrating knowledge, materials, and methods from the various disciplines, and to allow the student to evaluate the success of the curriculum in light of its stated goals. Regardless of the specific Interdisciplinary Major, the Comprehensive Exam is recorded on the transcript as INTD 495.

Senior Project: A student who wishes to do a Senior Project of more than two credits must have the project approved by the Director of Interdisciplinary Studies on or before the last day of the final semester of the junior year.

Interdisciplinary Courses

- INTD 175 Nonprofit Management Fundamentals 3 credits**
This course provides the foundation content and theoretical basis for nonprofit management through a comprehensive picture of current issues in managing nonprofit organizations. Topics include: principles of strategic and long-range planning; program development and evaluation; recruiting, organizing, motivating, and retaining volunteers/staff; development of financial assets and fundraising; developing recruiting, and working with a board of directors; and effective proposal writing.
- INTD 202 World Energy Resources 3 credits**
This course is an analysis of energy resources and needs of the modern world in historical and geographical context. Psychological, social, and political ramifications are examined and alternative solutions to energy problems are evaluated. *Not open to First-Year Students.*
- INTD 203 International Terrorism 3 credits**
This course is a study of the origins, nature, cost, containment, and prevention of terrorism, violence, and revolution in today's world, focusing in particular on the reasons why many nations and peoples outside the ruling classes of the major developed nations turn to violence. *Not open to First-Year Students.*
- INTD 204 Human Sexuality 3 credits**
This course is an examination of issues concerning sexuality and sexual functioning. Considered are the following topics: biological, psychological, and sociological aspects of sexuality; the development of sex roles; sexual myths; sexuality and religion; birth control; changing sex roles in today's world.
- INTD 210 The Art and Science of Peace 3 credits**
This course is a consideration of the use of various forms of art throughout history to convey themes of peace and an examination of psychological, sociological, and religious research designed to promote peace. Students in the course produce original works of art which express personal visions of peace. An additional course fee is required.
- INTD 211 Women of the World 3 credits**
This course is an international study of women's issues, focusing on women in the global economy, reproductive rights, domestic abuse, civic duties, HIV/AIDS, genital mutilation, and Sharia law. Contemporary issues pertaining to women in such countries as China, Japan, South Africa, Nigeria, Afghanistan, and Mexico are compared to promote understanding of and broaden perspectives on the lives of women outside the United States.
- INTD 251 Origins of Western Thought I: The Ancient World 3 credits**
This course is an examination of intellectual life in the civilizations of Ancient Greece and Rome. It explores characteristic cultural themes and values by focusing on differing perceptions of the hero and on the manifestations of those perceptions in representative written and visual forms. This course is one of a series of three courses examining the development of thought in the Western world. Each course is offered every third semester. *Not open to First-Year Students.*
- INTD 252 Origins of Western Thought II: The Middle Ages and Renaissance 3 credits**
This course is an examination of thought in Europe during the Middle Ages and Renaissance. It explores characteristic cultural themes and values by focusing on differing perceptions of the relationship between the sacred and the profane and on the manifestations of those perceptions in representative written and visual forms. This course is one of a series of three courses examining the development of thought in the Western world. Each course is offered every third semester. *Not open to First-Year Students.*
- INTD 253 Origins of Western Thought III: The Modern Age 3 credits**
This course is an examination of modern thought as it has developed in the Western world from the 17th century to the present. It explores characteristic cultural themes and values by focusing on the emergence of a rationalist vision and of reactions to that vision by exploring representative written and visual examples. This course is one of a series of three courses examining the development of thought in the Western world. Each course is offered every third semester. *Not open to First-Year Students.*
- INTD 301 Heuristics 3 credits each**
These courses focus on the investigation and discovery of methodologies of problem solving within a broad spectrum of academic disciplines and pragmatic pursuits. *Open to juniors and seniors only. Prerequisite: Permission of instructor.*
- INTD 306 International Development 3 credits**
This course is interdisciplinary in structure and examines the economic, political, and social development of Lesser Developed Countries. A major focus of the course is the environment and "sustainable development." When taught as a travel course, it consists of classes and meetings with political, IGO, and NGO officials and staff. Students gain knowledge of development at the local level by traveling to villages and talking with citizens and local leaders. Students participate in environmental research and conservation activities.
- INTD 320 Nonprofit Field Study 3 credits**
In this course, students have the opportunity to apply skills learned in the classroom and solidify their interest in nonprofit management. This experience also provides an opportunity for development of a professional identity and possible contacts for the future.

INTD 470 Internship in Interdisciplinary Education and Psychology 1 credit
Internships provide student with off-campus exposure to the life and work in a professional education field of student, non-teaching certification. All internships must have the approval of the Education Department faculty and are supervised and evaluated by the departmental field supervisor and by a professional in the field. A journal and a written summary of the student's experiences and their relationship to pertinent theories and practices of the chosen field is required. Prerequisite: Declared Interdisciplinary Education and Psychology major; junior standing or the permission of the instructor.

INTD 477 Senior Seminar in Interdisciplinary Education and Psychology 1 credit
This course is an introduction to professional opportunities in education and psychology and related fields and an exploration of value and ethical consideration. Continued guidance on senior project and senior comprehensive examinations also is provided during this course. Prerequisite: Declared Interdisciplinary Education and Psychology major; junior standing or the permission of the instructor.

INTD 487-488 Independent Study 2-4 credits

INTD 490 Senior Project 2-4 credits

INTD 495 Comprehensive Exams
This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Physical Education and Sports Studies

The Department of Physical Education and Sports Studies offers majors in Recreational and Athletic Administration and Coaching Education, Sports Management, Sports Medicine, and Teacher Education.

Faculty

Janice L. Forsty. *Professor of Physical Education, Chair*
Richard F. Carver. *Assistant Professor of Physical Education*
Courtney J. Kline. *Assistant Professor of Physical Education*
John J. McGowan. *Professor of Physical Education*

Matthew Payment. *Assistant Professor of Physical Education*
Sean Reagan. *Assistant Professor of Physical Education*
Brian Samson. *Assistant Professor of Physical Education*
Steven A. Upton. *Assistant Professor of Physical Education*

Program Goals

The Physical Education-Sport Studies program utilizes three academic tracks to provide opportunities for students to develop the theoretical knowledge and practical skills consistent with industry best practices in Sport Management, Recreational and Athletic Administration and Coaching Education, Physical Education Teacher Certification, and Sports Medicine. Coupled with the goals of the General Education program, tracks are designed to meet the standard requirements for preparation for entry level positions in the respective fields.

- In Sport Management, emphasis is on integrating academic courses in physical education with complementary courses in mathematics, business, economics and accounting.
- In Recreational and Athletic Administration and Coaching Education, emphasis is on integrating academic courses in physical education and management with complimentary courses in mathematics, business, economics, and accounting.
- In Physical Education Teacher Certification, emphasis is on integrating academic and lab analysis courses in physical education and biology with complementary courses in education.
- In Sports Medicine, emphasis is on students wishing to pursue a career in sports medicine or related fields. Upon completing of this undergraduate program, student must apply to a Sports Medicine Graduate program to obtain certification in their desired field of study. Student cannot practice sports medicine with only this undergraduate degree.

All students are required to meet the College's requirements in the General Education program.

Through their experiences in the major, students are expected to:

- Demonstrate at least acceptable level competencies in the ability to effectively use critical thinking skills.
- Demonstrate at least acceptable level competencies in the ability to effectively use oral communication skills.
- Demonstrate at least acceptable level competencies in the ability to effectively use writing skills.
- Demonstrate at least acceptable level competencies in the ability to effectively use quantitative reasoning skills.
- Demonstrate at least acceptable level competencies in the ability to effectively use knowledge in the majors' content areas.

Requirements for Major in Physical Education and Sports Studies

Majors in the Department are required to complete the following courses successfully: PHED 243, 244, 337, 490, and 495. All majors must also complete successfully one of the following tracks:

Recreational and Athletic Administration and Coaching Education: PHED 110, 175, 214, 215, 300, 326, 327, 333, 335, 336, 355, 471; ACCT 202, 203; BIOL 107; BUSI/COMM 203; BUSI/PHED 338; COMM 206; ECON 163, 280; EDUC 203; MATH 105 or MATH 281.

Sports Management: PHED 335, 336, 338, 471; ACCT 202, 203; COMM 203, 206; BUSI 222, 287, 310, 311, 312, 482;

ECON 162, 163; MATH 281, 282. Recommended is COMM 388.

Sports Medicine: PHED 180, 240, 326, 327, 341, 380, 381, 472; BIOL 100, 107, 269, 269, 270; CHEM 100 or 101; GENS 140; MATH 281; PHYS 103 or 201; PSYC 100.

Teacher Education Grades K-12: PHED 110, 175, 210, 211, 212, 213, 214, 215, 216, 326, 327, 331, and 350; BIOL 107; EDUC 203, 242, 282, 295, 348, 353, 445, 470, 471, 472; PSYC 100; RDNG 376; SOCI 210; SPED 207; PHED 333 or SPED 208.

To be recommended for certification, a student must also complete the courses in the Professional Education Requirements described in the Education section of this *Catalogue* and on the department's website or on the advising sheets located in the Department of Education. The following courses are prerequisites to student teaching: PHED 110, 175, 210, 211, 212, 213, 214, 215, 216, 243, 244, 326, 327, 331, 337 and 350; EDUC 203, 242, 282, 295, 348, 353; PSYC 100; RDNG 376; SOCI 210; SPED 207; PHED 333 or SPED 208.

Teacher Education Grades 5-8: PHED 110, 175, 210, 211, 212, 213, 214, 215, 216, 331, and 350; BIOL 107; EDUC 203, 242, 282, 295, 348, 353, 445, 470, 471, 472; PSYC 100; RDNG 376; SOCI 210; SPED 207; PHED 333 or SPED 208.

To be recommended for certification, a student must also complete the courses in the Professional Education Requirements described in the Education section of this *Catalogue* and on the department's website or on the advising sheets located in the Department of Education. The following courses are prerequisites to student teaching: PHED 110, 175, 210, 211, 212, 213, 214, 215, 216, 243, 244, 326, 327, 331, 337 and 350; EDUC 203, 242, 282, 295, 348, 353; PSYC 100; RDNG 376; SOCI 210; SPED 207; PHED 333 or SPED 208.

Physical Education Courses

PHED 100-165 Physical Education Performance Courses

1 credit each

These courses examine the following: skills in performance; knowledge of strategies, rules, equipment, and methods; participation in forms of sport. PHED 101 – 140 may not be repeated for credit. PHED 150-165 may be repeated for credit.

PHED 110	Advanced Aquatics I (Lifeguarding)	PHED 150	Varsity Baseball
PHED 120	Team Sports Activities (volleyball, wallyball, soccer, basketball, flag football)	PHED 151	Varsity Basketball (Men)
PHED 121	Leisure Sports Activities (bowling, golf, archery)	PHED 152	Varsity Basketball (Women)
PHED 123	Dance Activities (advance Zumba, Pilates, other types of dances)	PHED 153	Varsity Cross Country (Men and Women)
PHED 132	Basic Aquatic Activities	PHED 154	Varsity Lacrosse
PHED 134	Racquet Activities (tennis, racquetball, table tennis, pickle ball, badminton)	PHED 155	Varsity Football
PHED 137	Advanced Aerobic Conditioning	PHED 156	Varsity Golf (Men and Women)
PHED 138	Advanced Strength Conditioning	PHED 157	Varsity Soccer (Men)
PHED 140	Yoga Practicum	PHED 158	Varsity Swimming (Men and Women)
		PHED 159	Varsity Tennis (Men)
		PHED 160	Varsity Tennis (Women)
		PHED 161	Varsity Track (Men and Women)
		PHED 162	Varsity Volleyball
		PHED 163	Varsity Softball
		PHED 164	Varsity Soccer (Women)
		PHED 165	Field Hockey

(Activity courses: CR/NCR only. Exceptions: When taken in fulfillment of the Activity portion of the Bethany Fitness/Physical Activity Requirement, these courses must be taken for a letter grade; PHED 110 must be taken for a letter grade by students pursuing the Physical Education K-12 certification track.)

PHED 102 Introduction to Lifetime and Sports Fitness

1 credit

This course provides experiences in a variety of activities that are related to Lifetime and Sports Fitness delivered in segments that become incrementally more intense through the semester. Activities include for Lifetime Fitness: Tai Chi; Yoga; Pilates; Tae Bo; Aerobics; Circuit Training; and various resistance, training techniques, including Isometric and Nautilus principles. Sports Fitness activities are meant to improve sports related fitness in the areas of flexibility, agility, muscular strength, and muscular endurance. (Accommodation will be made available for students with document disabilities.)

PHED 175 Introduction to Teaching Physical Activities

3 credits

This course examines factors essential to the systematic teaching of physical activities. Course work focuses on writing about key pedagogical issues that impact the teaching and learning environment. A 10-hour field placement is required.

PHED 180 Introduction to Sports Medicine

3 credits

This course provides the student with basic insight into prevention and treatment strategies of athletic injuries. The student is expected to participate in activities that include taping, wrapping, wound care, vitals, emergency care, the history of evaluations, and environmental hazard identification.

PHED 210 Lab Analysis: Aquatic Activities

2 credits

This course emphasizes psychomotor skill development and cognitive acquisition of the rules, principles, equipment, strategies, and methods appropriate for teaching aquatic activities in the educational environment. This course may lead to certification as an American Red Cross Water Safety Instructor. An additional fee is required for certification.

PHED 211 Lab Analysis: Football-Basketball

2 credits

This course emphasizes psychomotor skill development and cognitive acquisition of rules, equipment, strategies, and methods appropriate for teaching adolescents football and basketball in the educational environment. *Prerequisite: PHED 175.*

PHED 212 Lab Analysis: Soccer-Volleyball 2 credits

This course emphasizes psychomotor skill development and cognitive acquisition of rules, equipment, strategies, and methods appropriate for teaching adolescents soccer and volleyball in the educational environment. *Prerequisite: PHED 175.*

PHED 213 Lab Analysis: Track and Field-Softball-Baseball 2 credits

This course emphasizes psychomotor skill development and cognitive acquisition of rules, equipment, strategies, and methods appropriate for teaching adolescents track and field, softball, and baseball in the educational environment. *Prerequisite: PHED 175.*

PHED 214 Lab Analysis: Lifetime Sports (Golf & Tennis) 2 credits

This course emphasizes psychomotor skill development and cognitive acquisition of rules, equipment, strategies, and methods appropriate for teaching adolescents golf and tennis in the educational environment. *Prerequisite: PHED 175.*

PHED 215 Lab Analysis: Lifelong Leisure Activities (Camping & Dance) 2 credits

This course emphasizes psychomotor skill development and cognitive acquisition of rules, equipment, strategies, and methods appropriate for teaching adolescents camping and dance in the educational environment. *Prerequisite: PHED 175.*

PHED 216 Lab Analysis: Fundamentals and Principles of Movement, Fitness, and Nutrition 2 credits

This course emphasizes psychomotor skill development and cognitive acquisition of the principles, equipment, strategies, and methods appropriate for teaching fundamental movement skills, fitness techniques, and nutritional concepts in the educational environment.

PHED 226 First Aid as Related to the Principles of Biology 3 credits

This course emphasizes the biological principles in basic first aid and CPR with AED. This course may lead to CPR and AED certification. A fee is required for certification.

PHED 240 Prevention and Care of Injuries 3 credits

This course provides the student with basic insight into prevention and treatment strategies of athletic injury. Student will learn healthcare administration, legal concerns in sports medicine, rehabilitation techniques, skin disorder recognition, gait training, emergency procedures, and tissue response to injury. Student have the ability to be certified in First Aid, CPR, and AED at the end of this course. *Prerequisite: PHED 180 or permission of the instructor.*

PHED 243 Socio-Psychological Perspective of Physical Activities 3 credits

This course emphasizes discussions and writings about small sports groups as micro-social systems. The application of group dynamics theory and small group research to the study of sports groups is presented. The influence of group members' characteristics, environmental factors, interpersonal relations, and group structural characteristics on an individual member's adjustment and the effectiveness of the group are investigated. The course is intended to investigate those aspects of psychology which influence performance and the participant in sports. Motives, arousal, aggression, and other socio-psychological variables are discussed. (This course may be taken for credit as PSYC 243.)

PHED 244 Philosophical-Historical Perspective of Physical Activities 3 credits

Emphasis is on discussions and writings pertaining to philosophical inquiry into physical education. The general philosophical interpretation of the nature and purpose of physical activities is considered. Investigation of the historical and philosophical changes in American education is emphasized. The developing roles of professional physical educators are considered.

PHED 247 The Olympic Games 3 credits

This course will investigate the Olympic movement, including, but not limited to the historical, social, cultural, political, and economic aspects of the Games. It will also investigate the International Olympic Committee, the National Olympic Committee, and the individual sports structures.

PHED 300 Officiating of Sports 3 credits

This course prepares students to officiate particular sports within the school environment. Emphasis is on the philosophies and strategies of officiating competitive athletics. Students select and study independently the officiating of a particular sport. Satisfactory completion of this independent component prepares a student to sit for the certification examination in the selected sport.

PHED 326 Kinesiology 3 credits

This course examines anatomy and mechanics as applied in the study of the human body during physical exercise, with a special emphasis on the analysis of motion in specific sports skills and exercise patterns. *Prerequisites: BIOL 107 for PHED majors; BIOL 100 or 168 may be substituted for students outside of the major.*

PHED 327 Physiology of Exercise 3 credits

This course examines anatomy and physiology as applied in the study of the human body during physical exercise. Application of physiologic variables in specific sports skills and exercise patterns is emphasized. *Prerequisites: BIOL 107 for PHED majors; BIOL 100 or 168 may be substituted for students outside of the major.*

PHED 331 Motor Behavior 3 credits

This course examines current theories of motor behavior and their relationships to the teaching and learning of physical skills. A 20-hour field placement is required. *Prerequisite: EDUC 203 or concurrent registration in EDUC 203.*

PHED 333 Adapted and Therapeutic Physical Activities 3 credits
This course examines motor behavior characteristics of physically challenged students in school and non-school settings. A 20-hour field placement is required. (This course may be taken in lieu of SPED 208.) *Prerequisites: SPED 207.*

PHED 335 Legal Issues in Sports 3 credits
This course examines the law and its implications relative to sports and physical activity. The emphasis will be on legal aspects and responsibilities of the administrator, coach, and educator.

PHED 336 Athletic Facility Management and Planning 3 credits
This course provides an in-depth study of sports facilities to include development, site selection, design, planning, and specialized equipment considerations. Special attention focuses on facility management concepts, evaluation, budgeting, and selection of support personnel.

PHED 337 Organization and Administration of Physical Activities 3 credits
The emphasis of this course is on the underlying philosophy for the organization, structure, administrative policies and procedures, legal aspects, and facility management of physical education, intramurals, and competitive athletics programs.

PHED 338 Sport Marketing 3 credits
This course is a study of the concepts and specialized strategies used in marketing sport and raising funds within sport organizations. Special emphasis is on public relations. (This course may be taken for credit as BUSI 338.) *Prerequisite: BUSI 310*

PHED 341 Principles of Rehabilitation and Orthopedic Evaluation 3 credits
This course is designated to prepare the student to assess musculoskeletal injuries as they occur with athletes or other physically active individuals. General principles of examination with include anatomical nomenclature, mechanism of injury, taking a history, observation, palpation, examination of motion, strength, neurological status, and rehabilitation techniques. At the end of the semester, students should be able to go through a complete examination and give an assessment of any injury. *Prerequisites: PHED 240; BIOL 268, 269; GENS 140.*

PHED 350 Curriculum and Assessment of Physical Activities 3 credits
This course focuses on the design of K-12 physical education curricula and the assessment of learners. Topics including qualitative and quantitative methods of collecting, analyzing, and evaluating data in all domains of learning are presented. Discussions and writings are required concerning various curricular models designed for programming developmentally appropriate activities in the educational environment. Influencing factors considered include program philosophy and objectives and students' needs, interests, and characteristics. A 15-hour field placement is required.

PHED 355 Coaching Sport 3 credits
This course examines basic philosophy and principles of athletics as integral parts of physical education and general education. Topics studied include state, local, and national regulations and recommendations related to athletics. Legal considerations are discussed as are the function and organization of leagues and athletic associations. The responsibilities of the coach as a leader and role model are investigated. Other key aspects discussed include public relations; general safety procedures; general principles of budgeting, record-keeping, and purchasing; and facilities.

PHED 380 Clinical Practicum in Sports Medicine I 1 credit
This course is set in the Athletic Training Room and focuses on the practical application and evaluation of clinical skills and academic knowledge of sports medicine. This practicum requires a minimum of 250 hours or 3 days a week in the Athletic Training Room. Requires admission to the Sports Medicine Program.

PHED 381 Clinical Practicum in Sports Medicine II 1 credit
This course is a continuation of Clinical Practicum in Sports Medicine I. This course is set in the Athletic Training Room and focuses on the practical application and evaluation of clinical skills and academic knowledge of sports medicine. This practicum requires a minimum of 250 hours or 3 days a week in the Athletic Training Room. Requires admission to the Sports Medicine Program.

PHED 440 Issues in Physical Activities 3 credits
This course examines current ethical, philosophical, and practical problems facing professionals in the area of physical activities.

PHED 471 Internship in Sports Administration 2 credits
This experience is a professionally supervised internship with an off-campus sports administration agency. *Prerequisites:* A minimum of 60 hours is required with one on-campus sports administrative experiences and 30 hours of professional observation and conclusion paper submitted.

PHED 472 Internship in Sports Medicine 4 credits
This course is a full time, professional supervised experience working directly with the Bethany College Athletic Trainers and Division III Varsity Athletic Teams. This internship must be completed in the senior year and requires a minimum of 500 hours or five days a week in the Athletic Training Room. *Prerequisite: PHED 380 and 381 – Clinical Practicum in Sports Medicine I and II*

PHED 487-488 Independent Study 2-4 credits

PHED 490 Senior Project

2-4 credits

PHED 495 Comprehensive Exams

This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Health Courses

HLTH 201 Introduction to Health

3 credits

This course examines individual health related lifestyles. Students will learn about and understand a variety of issues including: psychosocial health, stress management, cancer, cardiovascular disease, sexually transmitted infections, addictions, nutrition and weight management, environmental health, complementary and alternative medicine, violence and abuse, and consumerism. This course is intended for physical education majors seeking health certification, or students pursuing degrees in other health related fields.

HLTH 250 Community and Population Health

3 credits

This course emphasizes important health issues related to the community and a variety of typical populations found in the United States.

HLTH 251 School Health

3 credits

This course emphasizes important health issues related to public education systems in the United States.

Physical and Computational Sciences

*The Department of Physical and Computational Sciences encompasses programs in Chemistry, Computer Science, Economics, Mathematics, and Physical Science. Each program's goals and requirements are presented in this section of the **Catalogue** along with a listing of the courses offered in each area.*

Chemistry

Chemistry Faculty

Lisa M. Reilly. *Associate Professor of Chemistry and Chair of the Department of Physical and Computational Sciences*

Scott M. Brothers. *Assistant Professor of Chemistry*

Carolyn A. Kitchens. *Assistant Professor of Chemistry*

Chemistry Program Goals

Since a superior liberal arts education requires excellence in science education as well as in the humanities and social sciences, and since the Bethany College graduate in chemistry must be able to compete in the marketplace or in graduate and professional schools with students from technical colleges and universities as well as with those from other liberal arts colleges, the Physical Science Department strives to achieve the following:

- educate students in the latest theoretical and applied body of knowledge which constitutes the broad area of chemistry
- enable students to acquire the laboratory skills necessary to perform the variety of analyses and operations which are expected of a BS chemistry graduate, including development of research skills
- motivate students to think critically and to collaborate in exploring new ideas and novel solutions to problems
- help students to become aware of changing career opportunities in both chemistry and as a preparation for health science fields such as medicine, dentistry, veterinary medicine, and pharmacology

The departmental programs of study are consistent with standards of the American Chemical Society.

Requirements for Major in Chemistry

All students majoring in Chemistry are required to complete the following core courses: CHEM 101, 102, 211, 212, 320, 324, 385, 386, either 477 or 478, 490, 495; PHYS 201, 202; MATH 201, 202. In addition, each student must complete one of the following tracks:

Biochemistry Track: CHEM 315 or 335, 351, 352.; BIOL 290 and either BIOL 341 or 343. Two additional courses from the following are recommended: BIOL 100, 251, 308, 338, 440, 442, CHEM 255, 285, MATH 281.

Chemistry Education Grades 9-12 Track: CHEM 315 or 335, 326, 351, 404; GENS 200; EDUC or GENS 480. Only Chemistry majors who have completed all courses in this track and the courses in the Professional Education Requirements described in the Education section of this *Catalogue* and on the department's website or in the resource area in the College's courseware solution will be recommended for certification to teach Chemistry in secondary school.

Forensic Chemistry Track: CHEM 108, 285, 351, 420, three courses from the group (255,315,335,345,355); and a course in law.

Professional Chemistry Track: CHEM 285, 315 or 335, 326, 404; and one course from the following group PHYS 222, 241, 300 MATH 203, 341.

Entering freshmen interested in chemistry should enroll in CHEM 101 and a mathematics course at the appropriate level. Students with Level II placement must take a Level II course immediately to prepare themselves for the mathematics concepts

in CHEM 102. Programs for subsequent semesters must be decided in consultation with the faculty advisors for Chemistry. Students with Advanced Placement (AP) in chemistry should consult immediately with a chemistry faculty member in the department for placement in a course at the appropriate level. Additional courses in mathematics are strongly encouraged.

All courses in chemistry and all required courses in mathematics, biology, psychology, and physics must be taken for a letter grade.

Requirements for Minor

Chemistry: CHEM 101, 102, 211, 212; six credits from CHEM 315, 320, 324, 326, 335, 351, 352. (MATH 201 and 202 and CHEM 212 are prerequisites for CHEM 320.)

Chemistry Courses

- CHEM 100 Consumer Chemistry 4 credits**
This course emphasizes an understanding of chemical concepts relevant to our everyday lives. At the end of this course, a student should be able to analyze and discuss magazine and newspaper articles dealing with subjects related to chemistry. The course is designed for non-science students. (Course is not open to students who have credit for CHEM 111 or higher or equivalent. This course may be taken for credit as GENS 100.)
- CHEM 101 General Chemistry I 4 credits**
Theoretical chemistry and descriptive inorganic chemistry are studied in this course. The laboratories provide students with experience in basic laboratory manipulations, problem solving, and testing of hypotheses. Lectures and laboratories meet for 6 hours per week. *Prerequisite: Mathematics requirement - Level III placement or higher; concurrent enrollment in a Level III mathematics course, or equivalent transfer credit.*
- CHEM 102 General Chemistry II 4 credits**
This course is a continuation of the lecture portion of CHEM 101 and includes the study of solubility and acid-base phenomena in aqueous systems with appropriate lab work. Lectures and labs meet for 6 hours per week. *Prerequisite: CHEM 101; Mathematics requirement - Level IV placement or completion of a Level III mathematics course with a grade of C- or higher; concurrent enrollment in a Level III mathematics course, or equivalent transfer credit.*
- CHEM 108 Introduction to Forensic Science 4 credits**
The application of chemical and physical methods to the analysis of evidence is the focus of this course. Common methods of evidentiary examination are included as experiential components. Team work on case studies and on the investigation of crime scenes is emphasized. The course meets for 6 hours each week. *Prerequisite: High School Chemistry or Physics, or permission of the instructor.*
- CHEM 211 Organic Chemistry I 4 credits**
This course is a survey of organic functional groups and the fundamentals of organic chemistry. The laboratory includes basic laboratory techniques for separation, purification, reaction, and analysis. *Prerequisites: CHEM 101 and 102 or permission of the instructor.*
- CHEM 212 Organic Chemistry II 4 credits**
This course is a continuation of CHEM 211 and includes more in-depth study of mechanisms, organic synthesis, and analysis. Laboratory work consists largely of organic preparations and identification of unknown compounds. *Prerequisite: CHEM 211 or permission of the instructor.*
- CHEM 255 Introduction to Pharmacology 3 credits**
Pharmacological properties of some common types of organic compounds are studied along with various issues in medical ethics. The course is taught predominantly in a discussion/seminar format with occasional introductory lectures. *Prerequisite: CHEM 212 or concurrent enrollment in CHEM 212.*
- CHEM 285 Data Analysis for Physical Science 3 credits**
Data Analysis for Physical Science covers hypothesis testing, principal component analysis, multivariate calibrations, experimental design, and introduction to data mining methods such as support vector machines and neural networks. The focus of the course is on the application of the above topics to practical uses in the fields of the physical sciences through the use of common software packages.
- CHEM 315 Advanced Methods of Analysis: Spectroscopy 2 credits**
This course is a survey of spectroscopic theory and methods. Experiments employ UV-Vis, infra-red, nuclear magnetic, gas chromatography/mass spectrometry, and atomic absorption spectrophotometers. Forensic and environmental problems are emphasized. Students participate in one lecture and one laboratory session each week. *Prerequisite: CHEM 211 or permission of the instructor.*
- CHEM 320 Physical Chemistry I with Biological Applications 4 credits**
This course is an introduction to the nature of thermodynamics and kinetics including equilibrium and rate transport processes. The focus is on applications of physical concepts to systems, especially those of biochemical and biological interest. Studies of chemical and phase equilibria are investigated thoroughly, and kinetic processes including Michaelis-Menton kinetics as well as transition state theory complete the course. (This course may be taken for credit as BIOL 320.) *Prerequisites: CHEM 212 and MATH 202 or permission of the instructor.*
- CHEM 324 Analytical Chemistry 4 credits**

The study of the principles of acid-base, oxidation-reduction, and solubility phenomena associated with solutions is emphasized. Classical and modern applications of principles to the analysis of unknowns are performed in the laboratory. *Prerequisite: CHEM 211.*

CHEM 326 Physical Chemistry II 4 credits
This course considers the thermal and energetic behavior of gases, the statistical principles governing the distribution of particles, the differing energy states of atoms and molecules, and the transitions within these states. Introductory quantum mechanical principles, centered around the Schrodinger equation, will be discussed. The course will conclude with a discussion of an advanced topic to be selected from thermodynamics, kinetics, or quantum mechanics. *Prerequisites: CHEM 212, MATH 202.*

CHEM 335 Advanced Methods of Analysis: Chromatography 2 credits
This course is a survey of chromatographic theory and methods. Experiments employ thin layer chromatography (TLC), gas chromatography (GC), gas chromatography/mass spectrometry (GC/MS), and high performance liquid chromatography (HPLC) as examples of the method. Forensic and environmental problems are emphasized. Students participate in one lecture and one laboratory session each week. *Prerequisite: CHEM 211 or permission of the instructor.*

CHEM 345 Advanced Methods of Analysis: Microscopy 2 credits
This course concentrates on the theory and uses of light microscopy to determine identity and composition of organic, inorganic, and biological materials. Forensic and environmental problems are emphasized. Students participate in one lecture and one laboratory session each week. *Prerequisite: CHEM 211.*

CHEM 351 Molecular Biology and Biochemistry I 4 credits
This course is an introduction to the structural organization and chemical compositions of cells and to fundamental chemical processes carried on inside organelles. Included are enzymatic action, transport across biological membranes, and basic metabolic pathways as they relate to cell structure. The laboratory focuses on current techniques for the isolation and analysis of basic biomolecules and on some practical applications of enzymology. (This course may be taken for credit as BIOL 351.) *Prerequisites: CHEM 211, 212.*

CHEM 352 Molecular Biology and Biochemistry II 4 credits
This course is an introduction to biosynthesis of biomolecules, gene expression and control, and recombinant DNA technology. The laboratory focuses on current techniques for probing biochemical reactions and for isolating and engineering DNA. (This course may be taken for credit as BIOL 352.) *Prerequisite: BIOL 351 or CHEM 351.*

CHEM 355 Advanced Methods of Analysis: Biotechnology 2 credits
This course concentrates on the theory and use of electrophoresis and other techniques of biotechnology, including DNA fingerprinting, polymerase chain reaction, ELISA, and blood typing. Students participate in one lecture and one laboratory session each week. *Prerequisite: CHEM 211.*

CHEM 385 Writing for Chemistry I 1 credit
This course is the first of two which focus on written and oral communication in the styles common to the chemistry and biochemistry fields. Students read and report on current literature of interest, including that presented by invited speakers.

CHEM 386 Writing for Chemistry II 1 credit
This course provides further instruction for writing and presenting ideas and proposals in chemistry and biochemistry. Students prepare and present papers based on experimental data. A project proposal, including a budget, is prepared. *Prerequisite: CHEM 385.*

CHEM 404 Advanced Inorganic Chemistry 4 credits
The important phenomena of modern inorganic chemistry are systematically discussed. These include bonding and structure, kinetics, thermodynamics, acid-base theories, and physical methods. Transition metal and organometallic chemistry are examined along with the chemistry of selected representative elements. (Three lectures and three hours of laboratory per week.) *Prerequisite or Corequisite: CHEM 326.*

CHEM 414 Advanced Organic Chemistry 3 credits
Selected advanced topics in organic chemistry are studied. These include reaction mechanisms. Laboratory work is introduced when appropriate which stresses the use of instrumentation. *Prerequisite: CHEM 212 or permission of the instructor.*

CHEM 420 Professional Internship 1-3 credits
This course is a professionally supervised experience with off-campus scientists using modern research and/or analytical techniques. Settings vary from purely academic summer programs to private or public scientific institutions. A minimum of 160 hours in the experience is expected.

CHEM 430-434 Special Topics 2 credits each
These are courses devoted to the consideration of advanced topics and areas of special interests.
CHEM 430 Analytical Chemistry
CHEM 431 Inorganic Chemistry
CHEM 432 Organic Chemistry
CHEM 433 Physical Chemistry
CHEM 434 Biochemistry

CHEM 477-478 Senior Seminar in Chemistry 1 credit each

The Senior Seminar in Chemistry is a review of current topics. Students participate in reading the chemical literature and presentation of appropriate work in oral and written forms.

CHEM 480 Methods and Materials in Teaching Physical and Life Sciences 3 credits

The course is a study of the aims and methods of teaching the physical and life sciences in the secondary schools. Special attention is given to teaching general laboratory procedures and techniques of teaching. Each of the departments in the physical and life sciences participates in this program. (This course may be taken for credit as EDUC or GENS 480. A 30 hour field placement is required.) *Prerequisites: 16 credits in one of the physical or life sciences or permission of the instructor; EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to the teacher education program.*

CHEM 487-488 Independent Study 2-4 credits

CHEM 490 Senior Project 2-4 credits

During the junior year, the chemistry major is introduced to the methods of employing chemical literature, selects a topic for advanced investigation, and makes a literature search of background material as a basis for an in-depth study in this area. Following this preliminary work, an investigation of a significant topic in chemistry is made by each senior under the direction of a faculty member in the department. This work culminates in a written and oral report at the end of the senior year.

CHEM 495 Comprehensive Exams

This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Computer Science

Computer Science Faculty

Fujiko O. Nito. *Professor of Computer Science*

Lisa M. Reilly. *Associate Professor of Chemistry and Chair of the Department of Physical and Computational Sciences*

Program Goals for Computer Science

In order to provide high caliber instruction in the quantitative element of a liberal arts education, this department offers majors in mathematics and in computer science designed:

- To provide the student with a breadth of knowledge in the disciplines of mathematics or computer science
- To provide the tools to assist the further study of mathematics, computer science, or related disciplines
- To offer a sufficient depth of knowledge in order to prepare students for research in mathematics, computer science, or related disciplines
- To prepare students for careers in education, in business, and in scientific, mathematical, or technical fields
- To provide a learning community supportive of collaboration in academics, social responsibility, and engaged teaching

Requirements for Majors in Computer Science

Two plans for majoring in Computer Science are offered: one leading to the Bachelor of Arts degree and the other to the Bachelor of Science degree. The Bachelor of Arts plan is designed for those students seeking a career in computer science in a business environment. The Bachelor of Science plan is designed for students seeking a career in computer science in a scientific laboratory or in a software development firm.

Bachelor of Arts Degree: CPSC 151, 152, 205, 240, 275, 277, 370, 373, 380, 477, 490, 495, plus one additional 3-credit course at 300 level or above; ECON 163; MATH 201, 210, 281; ACCT 202, 203; BUSI 312. Strongly recommended are ACCT 425; BUSI/ECON 222; ECON 162, 280; MATH 282. Beginning students are expected to complete CPSC 151 and MATH 201 during the first semester.

Bachelor of Science Degree: CPSC 151, 152, 205, 240, 275, 277, 330, 360, 370, 373, 440, 477, 490, 495, plus one additional 3-credit courses at 300 level or above; MATH 201, 202, 210, 354, 383; PHYS 201, 202. Strongly recommended is CPSC 310. Beginning students are expected to complete CPSC 151 and MATH 201 during the first semester.

Requirements for Majors in Cybersecurity

Two plans for majoring in Cybersecurity are offered: one leading to the Bachelor of Arts degree and the other to the Bachelor of Science degree. The Bachelor of Arts plan is designed for those students seeking a career in information assurance that focus on the identification of threats and vulnerabilities in order to protect business and government digital systems. The Bachelor of Science plan is designed for students seeking a career in cybersecurity focused on the research and development of software and systems for protecting digital assets.

Bachelor of Arts Degree in Cybersecurity - Information Assurance: CPSC 151, 152, 230, 240, 277, 330, 340, 370, 373, 380, 440, 450, 470, 477, 490, 495; BUSI 287, 311; CRJU 201; MATH 210, 281; Strongly recommended is CPSC 205 and MATH 282. Beginning students are expected to complete CPSC 151 and MATH 281 during the first semester. Students in this major are highly encouraged to minor in criminal justice and/or management.

Bachelor of Science Degree in Cybersecurity: CPSC 151, 152, 240, 275, 277, 330, 340, 370, 373, 380, 405, 440,

450, 470, 477, 490, 495; CRJU 201; MATH 201, 202, 210, 383; Strongly recommended is CPSC 205, 230. Beginning students are expected to complete CPSC 151 and MATH 201 during the first semester. Students in this major are highly encouraged to minor in criminal justice and/or mathematics.

Requirements for Dual Major in Computer Science and Accounting

With the increased use of computers in accounting, this major is designed for students who have strength in computer science and interest in the application to accounting.

Bachelor of Arts Degree: ACCT 202, 203, 313, 314, 332, 350, 361, 425, 435, 480; BUSI 222, 312; CPSC 151, 152, 205, 210, 275, 277, 373, 380, 477; ECON 163; MATH 201, 281, 282; ACCT or CPSC 495 and a three-credit senior project. Strongly recommended courses are BUSI 482; CPSC 320; ECON 162; MATH 106, 202, 354.

Requirements for Minor

Computer Science: CPSC 151, 152, 275, 277, 380.

Cybersecurity: CPSC 151, 230, 240, 277, 340

Computer Science Courses

CPSC 107 Introduction to Computing

3 credits

Students develop a basic proficiency of computer usages in this course. Topics include the history of computing, the principal components of computers systems, and societal issues. Students discuss and use application software including word processors, spreadsheets, presentation software, and the World Wide Web. Students also learn elementary programming.

CPSC 140-150 Programming

3 credits each

The following courses provide an introduction to computers by programming in a high-level language. The emphasis is on programming real-life problems using efficient coding techniques. These courses are for students who want to use the computer as a problem-solving tool or who want to write programs for operating systems, compilers, artificial intelligence, or Internet applications.

CPSC 147 Programming in C++

3 credits

The programming assignments in this course are related to the design of an operating system.

CPSC 149 Programming in Java

3 credits

The programming assignments in this course are related to the design of Internet application programs.

CPSC 151 Computer Science I

4 credits

This courses emphasizes techniques of algorithmic design, structured programming, and debugging. This beginning course for computer science majors may also be taken by others who wish to learn a high-level computer language.

CPSC 152 Computer Science II

4 credits

This course is an introduction to advanced features of a high-level computer language including stacks, queues, and user-defined data structures. The programming assignments involve the techniques of searching, sorting, and recursion. *Prerequisite: CPSC 151 or the equivalent.*

CPSC 205 Web Design

3 credits

This course introduces students to the tools and techniques used in designing web pages. Students learn HTML, CSS, Javascript, and the web authoring software packages: *CPSC 151*

CPSC 210 Discrete Mathematics

3 credits



This course introduces fundamental concepts of mathematics involved in computer science including induction, elementary counting, combinations and permutations, recursions and recurrence relations, graphs and trees, sorting and searching, and Boolean algebra. (This course may be taken for credit as MATH 210.) *Prerequisite: Level III mathematics placement, or successful completion of a Level II mathematics course.*

CPSC 222 Electronics 4 credits
The student is presented with the fundamentals of digital and analog circuit analysis. Among topics originally specific to analog circuits are DC circuit analysis using Kirchoff's laws, mesh equations, transformations, the use of multimeters and oscilloscopes, AC circuit analysis using complex impedances, capacitors, and inductors, resonance, step function analysis, and transitions. Among the topics originally specific to digital analysis are simple logic gates, IC chips, Boolean algebra, adders, flip-flops, shift registers, and counters. After the fundamentals are covered, the emphasis shifts to circuit analysis involving knowledge of both perspectives. This course includes three hours of lecture and two hours of laboratory each week. (This course may be taken for credit as PHYS 222.) *Prerequisite: PHYS 201,202 or equivalent or permission of the Chair of the Department.*

CPSC 230 Project Management 3 credits
This course is designed to prepare a student in completing a complex project by using the constraints needed for a successful project. Topics included planning, scheduling, score management, quality control, budget, and risk management of a project during its life cycle. The student experiences as a project manager to complete a project with the necessary tools and skills during the course.

CPSC 240 Introduction to Computer Security 3 credits
This course provides an overview of computer and network security. Topics covered include risks and vulnerabilities; related policies; controls and protection methods; access controls; database security; authentication technologies; and host-based and network based security. The students will learn how to design and build secure systems. Throughout the course, students will be given real world examples and projects to deepen their understanding.

CPSC 275 Data Structures and Algorithms 3 credits
This course is a study of the theory of and advanced techniques for representation of data, including link-lists, trees, graphs, analysis of algorithms, sorting, searching, and hashing techniques. *Prerequisite: CPSC 152 or equivalent.*

CPSC 277 Computer Ethics 3 credits
This course is a study of the theory and practice of computer ethics. The aim of the course is to learn the basis for ethical decision-making and the methodology for reaching ethical decisions concerning the computer science field. Topics studied in the course are Computers in the Workplace, Computer Crime, Privacy and Anonymity, Intellectual Property, and Professional Responsibility. Methodologies used in the course include lectures by the instructor, lectures by visiting lecturers, in-class discussions, writing assignments, individual class presentations, and case analyses.

CPSC 310 Artificial Intelligence 3 credits
This course is an introduction to the principles and programming methods of artificial intelligence. The fundamental issues involve logic and knowledge presentation, search, and learning. The programming language LISP is introduced and used to manipulate symbolic data. *Prerequisite: CPSC 275 or familiarity with a high-level computer language.*

CPSC 320 Software Engineering 3 credits
This course is a general survey of software engineering. Among the topics covered are project planning and management, design techniques, verification and validation, and software maintenance. *Prerequisite: CPSC 275.*

CPSC 330 Computer Organization and Assembly Language 4 credits
This course is a study of applications of Boolean algebra to combinational circuit design problems, organization of simplified computer components, memory organization, architecture, and assembly language programming. *Prerequisite: CPSC 152 or the equivalent.*

CPSC 340 Computer Forensics 3 credits
The course is designed to introduce the students to the software, hardware, legal, and ethical issues involved in computer forensics. Student will be developing the skills necessary to perform investigations into a variety of digital equipment through the use of practical projects. *Prerequisites: CPSC 151 and MATH 103.*

CPSC 360 Programming Languages 3 credits
This course is a study of programming language constructs emphasizing the run-time behavior of programs. Topics include formal grammars, parsing, information binding, data storage, global and local variables and parameters, string handling and list processing. *Prerequisite: CPSC 275 or the equivalent.*

CPSC 370 Operating Systems 3 credits
This course is a study of batch processing systems, implementation techniques for parallel processing of input/output and interrupt handling, memory management, system accounting, interprocess communication and interfaces, and deadlocks. *Prerequisite: CPSC 152 or the equivalent.*

CPSC 373 Writing for Mathematics and Computer Science 2 credits
This course is designed to emphasize recognition of clarity and style of presentation in the reading and discussion of computer science related technical writing. (This course may also be taken for credit as MATH 373.)

CPSC 375 Computer Security 3 credits

This course provides an overview of computer and network security. Topics covered include risks and vulnerabilities; related policies; controls and protection methods; access controls; database security; authentication technologies; and host-based and network based security. The students will learn how to design and build secure systems. Throughout the course, students will be given real world examples and projects to deepen their understanding.

CPSC 380 Data Base Design 3 credits
This course is an intensive study of the design and the implementation of a database. Topics include entity-relationship model, relational model, SQL, relational database design, object-oriented databases and object-relational databases. *Prerequisite: CPSC 152.*

CPSC 390 Numerical Analysis 3 credits
This course is a study of numerical methods of evaluating integrals and differential equations, techniques in finding the roots of polynomials, solving systems of linear equations, and matrix manipulation. (This course may be taken for credit as MATH 390.) *Prerequisites: CPSC 151; MATH 202 or equivalent.*

CPSC 405 Cryptography 3 credits
This course focuses on the study of various cryptographic protocols, algorithms, and proofs of security. Topics include classical vs. modern cryptography; historical ciphers; principles of modern cryptography; perfectly secret encryption. *Prerequisite: MATH 202 or equivalent; CPSC 151.*

CPSC 420 Professional Internship 1-8 credits
This course is a professionally supervised experience with off-campus mathematicians, computer scientists, or applied scientists using modern research and/or analytical techniques. Settings may vary from purely academic summer programs to private or public scientific institutions. The number of credits awarded depends on the number of imbedded hours in the internship experience. A minimum of 50 imbedded hours is expected per credit with the maximum number of credit earned is eight. *Prerequisites: Students must have a cumulative 2.0 GPA and junior/senior standing.*

CPSC 440 Data Communications and Network Architecture 3 credits
This course is a study of data communications and computer networks from the programmer's point of view. Topics include direct link networks, including Ethernet and wireless networks; packet switching, internetworking, and routing, with an emphasis on the Internet Protocol; end-to-end communications, emphasizing UDP, TCP, and RPC; congestion control; data compression; network security; and applications. Students write programs that use the TCP/IP protocol stack via the UNIX or Java socket interfaces. *Prerequisites: CPSC 152 or the equivalent*

CPSC 450 Network Security 3 credits
This course is a study of concepts, theories, requirements and mechanisms of network security. Topics include concepts related to network vulnerabilities and attacks, defense mechanisms against network attacks, cryptographic protection mechanisms, mechanism of identification and authentication, and real-time/non-real-time commutation security. Students gain experience designing, implementing, and testing a network security infrastructure through lab work. *Prerequisites: CPSC 152, 240.*

CPSC 470 Operating System Security 3 credits
This course provides the security issues including vulnerabilities, threats, exploits and defense mechanisms in operating systems. Topics include logging, auditing, address space randomization, memory protection, virtual machine introspection (VMI), malware and malware immunization. *Prerequisites: CPSC 240,370.*

CPSC 477 Seminar in Mathematics and Computer Science 2 credits
This course includes topics in computer science suitable to computer science majors. The course is open to qualified junior and senior computer science majors. (This course may be taken for credit as MATH 477.)

CPSC 487-488 Independent Study 2-4 credits

CPSC 490 Senior Project 2-4 credits

CPSC 495 Comprehensive Exams
This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Economics

Economics Faculty

Wilfrid W. Csaplar, Jr. *Professor of Economics*

Aaron M. Honsowetz. *Assistant Professor of Economics*

Lisa M. Reilly. *Associate Professor of Chemistry and Chair of the Department of Physical and Computational Sciences*

Economics Program Goals

For the two tracks in the Economics major the goal of the program is to enhance one's ability and competence in relating business and economic concepts, functions, and policies to each other at increasingly abstract levels in order to solve problems and analyze policies. Students will become proficient at:

- Enhancing students' understanding of marginal concepts.
- Enhancing students' understanding of the interrelationships of implicit and explicit elements of economics and business.
- Enhance students' ability to analyze and solve problems.

Requirements for Major in Economics

All majors in the program are required to complete the following courses: ECON 162, 163, 222, 301, 302, 304, 350, 376, 476, 495; either ECON 205 or MATH 201; ACCT 202; and MATH 281, 282. Students considering a major in Economics should complete all of the 200-level courses listed above by the end of the sophomore year.

Additionally, students majoring in Economics are required to complete one of two tracks:

Managerial Economics: ACCT 203; ECON 280; BUSI 310, 312, 332, 482; ECON 287 or BUSI 311; and a Senior Project in Economics.

International Economics: BUSI 371; ECON 260, 360; POLS 243, 351 or 352; a Senior Project in Economics; and either four of the following or a semester long study abroad and one of the following ACCT 203, BUSI 482, ECON 113, POLS 351, 352, one language course (or equivalent proficiency) at the 130 level or above. It is recommended that if a student does study abroad, it should be in the fall of their junior year. There may be an additional language requirement for the study abroad program selected by the student.

Requirements for Dual Major in Economics and Mathematics

This major is designed for students who would like to strengthen their degrees in either mathematics or economics by demonstrating skills in the other discipline. For example, students wishing to attend graduate school in economics or in applied mathematics, but because of any of a number of potential reasons would not be able to complete a double major. Majors will have two advisors, one in each program.

Bachelor of Science Degree: ACCT 202; CPSC 151; BUSI 482; ECON 162, 163, 222, 301, 302, 304, 350, 376, 476; MATH 106, 201, 202, 203, 210, 220, 354, 373, 383, 384, 390, 477; BUSI 311 or PSYC 287; ECON or MATH 495; and a three-credit senior project.

Requirements for Minor

Quantitative Economics track requirements: ECON 162, 163, 222, 301, 302; either ECON 205 or MATH 201; MATH 281 or MATH 383; MATH 282 or MATH 384.

International Economics track requirements: ECON 113, 162, 163, 260, 301, 302, 360; either ECON 205 or MATH 201

Economics Courses

ECON 113 Comparative Economic Systems 3 credits

Comparative Economic Systems examines the post World War II performance of the industrialized economies. The course compares the relative economic performance of the market capitalist economies and the former centrally planned socialist economies. Emphasis is on international competition among the industrialized economies. The course concludes with a brief survey of the less developed economies and their prospects for economic modernization.

ECON 162 Principles of Macroeconomics 3 credits

Principles of Macroeconomics introduces the fundamental topics of macroeconomics. The course focuses on the empirical characteristics of the modern American economy and on how those characteristics are measured. Topics covered include aggregate demand and supply analysis, national income determination, fiscal policy, the banking system, and the role of fiscal and monetary policies in controlling and stabilizing unemployment and inflation. *Prerequisite: Level II mathematics placement, or successful completion of a Level I course. Recommended: Level III mathematics placement, or successful completion of a Level II course.*

ECON 163 Principles of Microeconomics 3 credits

Principles of Microeconomics introduces the fundamental principles of microeconomic theory and their application to consumer behavior, profit maximization, labor markets, and public choice. Alternative market structures are explored with formal emphases placed on resource allocation and issues of productivity. *Prerequisite: Level II mathematics placement, or successful completion of a Level I course. Recommended: Level III mathematics placement, or successful completion of a Level II course.*

ECON 205 Quantitative Methods for Business and Economics 3 credits

Quantitative Methods for Business and Economics teaches the mathematical tools from Calculus and Linear Algebra which are used in Economics and Business. Topics include derivatives, multivariate derivatives, and systems of equations applied to problems from Economics and Business. (Not open to students who have taken MATH 201. This course cannot replace MATH 201 as a pre-requisite for MATH 202.) *Prerequisites: Level IV mathematics placement, or successful completion of a Level III mathematics course; or permission of the instructor.* (This course may be taken for credit as BUSI 205).

ECON 222 Research Methods in Economics 3 credits

Research Methods in Economics introduces elementary research methods in economics. The course includes the use of

microcomputers in economics and business. Emphasis is on using spreadsheets to prepare quantitative research projects in economics. The course also covers writing quantitative reports in economics. (This course may be taken for credit as BUSI 222). *Prerequisites: ECON 163 and MATH 281 or 383 or PSYC 205. Prerequisite or corequisite: MATH 282 or 384.*

ECON 260 Comparative Economic Development 3 credits
Comparative Economic Development examines major analytical and policy issues facing the “lesser developed” nations of the world. Development is defined, and contrasting policies of individual countries that have succeeded or failed are examined. The developmental role of agriculture, export-oriented policies, women, labor markets, multinational corporations, the public sector, the World Bank, and the International Monetary Fund are also considered. *Prerequisite: ECON 162 or 163.*

ECON 280 Managerial Economics 3 credits
Managerial Economics is a study of profit-maximizing managerial decision-making with emphasis on the external environment of the firm. The course introduces students to quantitative techniques of decision-making. *Prerequisite: ECON 163.*

ECON 287 Organizations and Human Behavior 3 credits
This course is a study of specific aspects of organization culture, such as motivation, conflict, power, and leadership. Focus is on improving the effectiveness of organizations by strengthening human processes. (This course may be taken for credit as PSYC 287 or BUSI 287.)

ECON 301 Intermediate Microeconomics 3 credits
Intermediate microeconomics is a study of consumer behavior, demand analysis, market development, output determination, cost analysis, and pure competition. The course includes exposure to mathematical constructs *Prerequisites: ECON 163, and either BUSI/ECON 205 or MATH 201.*

ECON 302 Intermediate Macroeconomics 3 credits
Intermediate Macroeconomics is a study of the determinants and the behavior of the national economy, with emphasis on income determination, employment, price levels, and monetary and fiscal policy. *Prerequisite: ECON 162.*

ECON 304 Advanced Microeconomics 3 credits
Advanced microeconomics is a study of imperfect competition, general equilibrium and welfare economic analysis, game theory, resource pricing, price discrimination, information and time, external costs and benefits, and public goods. This course also includes exposure to appropriate mathematical constructs. *Prerequisite: ECON 301.*

ECON 350 Business Cycles and Forecasting 3 credits
Business Cycles and Forecasting explores economic fluctuations in the modern American economy against the backdrop of the alternative theories explaining these fluctuations. Students in the course are presented with the quantitative data which describes the cycles and the analytical techniques used to generate economic forecasts. *Prerequisites: ECON 302 and MATH 282.*

ECON 360 International Trade 3 credits
International trade is an examination of the principles of international trade and finance and their application to the modern world. The concepts emphasized are exchange rates, theories of comparative advantage, economies of scale, tariffs, quotas, commercial policy, capital movements, reciprocal effect of changes in microeconomic and macroeconomic policies, the role of international organizations, and aid to developing countries. *Prerequisites: ECON 162 and 163.*

ECON 376 Junior Seminar in Economics 1 credit
The Junior Seminar in Economics is designed to prepare the student for Senior Seminar in Economics and Senior Project. In the course students gain command of the writing and research methods characteristic of contemporary economics and their incorporation in written and oral reports in economics. *Prerequisites: Junior standing or permission of instructor.*

ECON 476 Senior Seminar in Economics 2 credits
The Senior Seminar in Economics is a review of economic analysis with attention to the mathematical concepts and writing in Economics. In the course students improve their command of the research methods characteristic of contemporary economics and their incorporation in the preparation of oral and written reports in economics. *Prerequisites: MATH 201 or ECON 205, ECON 376, and senior standing or permission of the instructor.*

ECON 487-488 Independent Study 3 credits

ECON 490 Senior Project 2 credits
The Senior Project is open only to students majoring in Economics. Students prepare and present a senior project. The topic for the senior project must be selected during the first semester of the senior year and must be approved by the department chair.

ECON 495 Comprehensive Exams
This course is an administrative placeholder used to record a student’s score on Comprehensive Exams (CR/NCR).

Mathematics

Mathematics Faculty

Adam C. Fletcher. *Associate Professor of Mathematics*

Joseph W. Walsh. *Assistant Professor of Mathematics*

Lisa M. Reilly. *Associate Professor of Chemistry and Chair of the Department of Physical and Computational Sciences*

Program Goals for Mathematics

In order to provide high caliber instruction in the quantitative element of a liberal arts education, this programs offers majors in mathematics designed:

- To provide the student with a breadth of knowledge in the discipline of mathematics
- To provide the tools to assist the further study of mathematics or related disciplines
- To offer a sufficient depth of knowledge in order to prepare students for research in mathematics or related disciplines
- To prepare students for careers in education, in business, and in scientific, mathematical, or technical fields
- To provide a learning community supportive of collaboration in academics, social responsibility, and engaged teaching

Requirements for Major in Mathematics

The student is required to take the following core courses: MATH 106, 201, 202, 203, 220, 354, 373, 400, 403, 477, 495 and either MATH 326 or 410; a senior project. In addition, each student must complete one of the following tracks:

Mathematics: CPSC 151; a minimum of 12 credits from the following: MATH 210, 310, 326, 341, 383, 384, 390, 410; CPSC 152.

Mathematics-Actuarial Science: MATH 210, 341, 383, 384, 390; CPSC 151.

Mathematics-Computer Science: CPSC 151, 152, 275, 390; MATH or CPSC 210.

Mathematics-Economics: MATH 210, 383, 384; ACCT 202; ECON 162, 163, 301, 302; CPSC 151.

Mathematics Education: MATH 103 or secondary school equivalent, 105 or secondary school equivalent, 210, 252, 326, 383, 430, 480; CPSC 151. To be recommended for certification the student must also complete the courses in the Professional Educational Requirements described in the Education section of this *Catalogue* and on the department's website or in the resources area in the College's courseware solution. *The following courses are prerequisite to student teaching: MATH 252, 480.*

Mathematics-Physics: MATH 341; PHYS 201, 202, 251 or 261, 300; CPSC 151.

Requirements for Dual Major in Economics and Mathematics

This major is designed for students who would like to strengthen their degrees in either mathematics or economics by demonstrating skills in the other discipline. For example, students wishing to attend graduate school in economics or in applied mathematics, but because of any of a number of potential reasons would not be able to complete a double major. Majors will have two advisors, one in each program.

Bachelor of Science Degree: ACCT 202; CPSC 151; BUSI 482; ECON 162, 163, 222, 301, 302, 304, 350, 376, 476; MATH 106, 201, 202, 203, 210, 220, 354, 373, 383, 384, 390, 477; BUSI 311 or PSYC 287; ECON or MATH 495; and a three-credit senior project.

Requirements for Minor

MATH 106, 201, 202, 203, 354, plus a minimum of six credits from MATH 210, 281, 326, 341, 383, 400, 403, 410, 430.

Bethany College Mathematics Placement Exam

As quantitative literacy skills are cumulative, there are prerequisites for a number of quantitative literacy courses. These prerequisites are based on the student's performance on the Bethany College Mathematics Placement Examination.

Courses open to students with initial mathematics placement into each level are as follows:

LEVEL I: FDST 097 (Fundamentals of Mathematics)

LEVEL II: MATH 103 (College Algebra)

LEVEL III: MATH 105 (Precalculus)

LEVEL IV: BUSI 205 (Quantitative Methods in Business), ECON 205 (Quantitative Methods in Economics), MATH 120 (Foundations of College Mathematics), MATH 201 (Calculus I)

It should be noted that students may not enroll in a course below their placement level, either.

Mathematics Courses

MATH 103 College Algebra

3 credits

The course examines sets and operations on sets, numbers systems, algebraic expressions, exponents, solutions to equations, inequalities, and graphing. (Not open to students who have credit for a Level IV mathematics course or its equivalent, or to students with a Level III or Level IV mathematics placement score.)

MATH 105 Precalculus

3 credits

This course examines functions, including linear, quadratic, exponential, logarithmic, and trigonometric functions. (Not open to students who have credit for a Level IV mathematics course or its equivalent, or to students with a Level IV mathematics

placement score.) *Prerequisite: Level III mathematics placement, or successful completion of a Level II course.*

MATH 106 Introduction to Mathematica 2 credits

This course introduces the student to the use of the computer program *Mathematica*. Students majoring in mathematics are expected to take this course in their first year so that *Mathematica* may be employed in all subsequent courses.

MATH 120 Foundations of College Mathematics 3 credits

This course represents Level IV mathematics placement. Successful completion of MATH 120 bars students from credit for any lower numbered mathematics course with the exception of MATH 106.

MATH 170 Connections in Mathematical Understanding 3 credits

This course examines the connections between mathematics and other liberal arts disciplines. Topics for discussion include mathematics in language, philosophy, art of symmetry, perspective, mathematics in movies and literature, daily applications of mathematics, the application of statistics, and practical uses of geometry.

MATH 201 Calculus I 4 credits

This course is a study of the real number system, equations of a line, functions, limits, and continuity, and of techniques of differentiation and integration applied to maximum and minimum problems and to related rates. (The course includes four hours of class and one laboratory session each week.) *Prerequisites: Level IV mathematics placement; successful completion of a Level III mathematics course or equivalent; or permission of the instructor.*

MATH 202 Calculus II 4 credits

This course focuses on integration and differentiation of log, exponential, trig, and inverse functions. Additional topics include methods of integration, integration by parts, partial fractions, trigonometric substitution, L'Hôpital's rule, sequences, and series. *Prerequisite: MATH 201 or the equivalent.*

MATH 203 Calculus III 4 credits

This course is a study of the calculus of functions of several variables and of vector valued functions. Topics include vectors, partial differentiation and integration, multiple integrals, line and surface integrals, and theorems of vector calculus. *Prerequisite: MATH 202.*

MATH 210 Discrete Mathematics 3 credits

This course introduces the student to the fundamental concepts of mathematics involved in computer science. Topics include induction, elementary counting, combinations and permutations, recursions and recurrence relations, graphs and trees, sorting and searching, and Boolean algebra. (This course may be taken for credit as CPSC 210.) *Prerequisite: Level III mathematics placement, or successful completion of a Level II mathematics course.*

MATH 220 Introduction to Proofs and Abstract Thinking 2 credits

This course reviews the fundamental concepts of sets, relations, and functions while developing the mathematical writing, reading, and understanding of formal proofs covering topics in mathematics.

MATH 241 Mathematical Methods in the Physical Sciences 3 credits

This course is primarily intended for students with one year of calculus who want to develop, in a short time, a basic competence in each of the many areas of mathematics needed in junior to senior courses in physics and chemistry. Thus, it is intended to be accessible to sophomores (or freshmen with AP calculus from high school). Topics include ordinary and partial differential equations, vector analysis, Fourier series, complex numbers, eigenvalue problems, and orthogonal functions. (This course may be taken for credit as PHYS 241.) *Prerequisites: MATH 201, 202 or permission of the Instructor.*

MATH 250 Mathematics for Elementary Education 3 credits

This is a course designed in content and teaching style for elementary pre-service teachers. The course emphasizes active student participation and a field placement component which permits students to develop materials and evaluation instruments and to practice the teaching of mathematics concepts, including the structure of number systems, real number properties and the computation derived from them, problem solving strategies, and geometry and measurement. *Prerequisite: Level III mathematics placement, or successful completion of a Level II mathematics course. Not open to freshmen.*

MATH 252 Mathematics for Teachers: Algebra and Geometry 3 credits

This is a sophomore or junior level course designed in content and teaching style for pre-service teachers of the middle and secondary grades. The NCTM Mathematics Curriculum and Evaluation Standards are incorporated in all phases of the course. The course emphasizes active student involvement and the use of a variety of software programs. Course content includes topics found in the middle and secondary grades (basic algebra and geometry), as well as the expansion of these topics as they are encountered through the grades. Particular attention is placed on the identification of objectives for each concept and the particular NCTM Standards as they are encountered at specific grade levels. *Prerequisite: MATH 250 or permission from the department.*

MATH 278 Mathematics for Standardized Testing 1 credit

This activity course serves as a problem-solving session for those students interested in sitting for and succeeding on standardized exams with mathematical skill sections.

MATH 281 Statistical Methods I 3 credits

This course is an introduction to statistical analysis including frequency distributions and graphic presentation of data, measures of central tendency, measures of dispersion, probability, the normal curve and its applications, confidence intervals, testing

hypotheses, correlation, and regression. *Not open to students with credit for MATH 383.*

- MATH 282 Statistical Methods II 3 credits**
This course is a study of analysis of variance, multiple regression, non-parametric methods, time series, index numbers, and decision analysis. *Prerequisite: MATH 281 or equivalent. Not open to students with credit for MATH 384.*
- MATH 310 Number Theory 3 credits**
This course examines properties of the integers including prime numbers and their distribution, the Euclidean algorithm, linear and nonlinear Diophantine equations, congruences, multiplicative functions, primitive roots, continued fractions and quadratic residues. Applications of number theory to such areas as computer science, cryptography, and networks are studied. Software technology such as Mathematica, Matlab, or Maple is also used to examine number theoretic properties and their applications.
- MATH 326 Introduction to Modern Geometry 4 credits**
This course is an introduction to Euclidean and non-Euclidean geometries and synthetic projective geometry, the concept of limit and infinity, geometrical constructions, and recent developments and theorems. *Prerequisite: MATH 202 or permission of the instructor.*
- MATH 341 Differential Equations 3 credits**
This course is a study of the methods of solution of ordinary and partial differential equations and of applications of differential equations. *Prerequisite: MATH 202.*
- MATH 354 Linear Algebra 3 credits**
This course is a study of geometric vectors, matrices and linear equations, real vector spaces, linear transformations and matrices, and inner product spaces. *Prerequisite: MATH 202 or equivalent.*
- MATH 373 Writing for Mathematics and Computer Science 2 credits**
This course is designed to introduce the process of presenting solutions to mathematical problems, proofs to mathematical theorems, and preparing and presenting research papers in the mathematical sciences. (This course may also be taken for credit as CPSC 373.)
- MATH 383 Probability & Statistics I 3 credits**
This course is an introduction to probability, basic distribution theory, mathematical expectations, probability densities, and random variables. *Prerequisite: MATH 202 or permission of the instructor.*
- MATH 384 Probability and Statistics II 3 credits**
This course is a study of sampling distributions, point and interval estimation, tests of hypotheses, regression and correlation, and analysis of variance. *Prerequisite: MATH 383.*
- MATH 390 Numerical Analysis 3 credits**
This course is a study of numerical methods in evaluating integrals and differential equations, techniques in finding the roots of polynomials, solving systems of linear equations, and matrix manipulation. (This course may be taken for credit as CPSC 390.) *Prerequisites: MATH 202 or equivalent; CPSC 151.*
- MATH 400 Abstract Algebra 4 credits**
This course is a study of groups, rings, integral domains, fields, and vector spaces. *Prerequisite: MATH 220.*
- MATH 403 Introduction to Real Analysis 4 credits**
This course concentrates on the careful study of the principles underlying the calculus of real valued functions of real variables. Topics include sets and functions, compactness, connectedness, uniform convergence, differentiation, and integration. *Prerequisites: MATH 203, 220.*
- MATH 410 Topology 3 credits**
This course is a study of those properties of objects that are preserved when stretching, twisting, bending, or compressing an object without tearing it and without identifying any two of its points. Topics include metric and topological spaces, cardinality, countability properties, separation axioms, continuity, and homeomorphic spaces. *Prerequisite: MATH 202, 220.*
- MATH 420 Professional Internship 1-8 credits**
This course is a professionally supervised experience with off-campus mathematicians, computer scientists, or applied scientists using modern research and/or analytical techniques. Settings may vary from purely academic summer programs to private or public scientific institutions. The number of credits awarded depends on the number of imbedded hours in the internship experience. A minimum of 50 imbedded hours is expected per credit with the maximum number of credit earned is eight. *Prerequisites: Students must have a cumulative 2.0 GPA and junior/senior standing.*
- MATH 430 History of Mathematics 2 credits**
This course is an exploration of the origins and development of mathematics including the philosophy of the mathematical sciences. Mathematical theories and techniques of each period and their historical evolution are examined.
- MATH 477 Seminar in Mathematics and Computer Science 2 credits**
This course includes topics in mathematics suitable to math majors. The course is open to qualified junior and senior math majors. (This course may be taken for credit as CPSC 477.)

MATH 479 Mathematics for Competition**1 credit**

This activity course serves as a problem-solving session for those students interested in actively participating in competition-level mathematics.

MATH 480 Methods and Materials in Teaching Mathematics**3 credits**

This course is a study of the approved methods in teaching mathematics at the middle and secondary level. The emphasis is on the following: class period activities of the teacher; procedures and devices in teaching; organization of materials; testing aims; modern trends. (This course may be taken for credit as EDUC 480. A 30 hour field placement is required.) *Prerequisites: EDUC 242; a passing score on PRAxis I Core Academic Skills for Educators; admission to the teacher education program.*

MATH 487-488 Independent Study**2-4 credits****MATH 490 Senior Project****2-4 credits****MATH 495 Comprehensive Exams**

This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Physics

Physics Faculty

Robert S. Spangler, Jr. *Associate Professor of Physics*

Lisa M. Reilly. *Associate Professor of Chemistry and Chair of the Department of Physical and Computational Sciences*

Physics Program Goals

The Physics program at Bethany College is designed to achieve the following goals for its students:

- Have a well-developed understanding of the fundamental principles in
 - * Classical Mechanics
 - » Kinematics
 - » Newton's Laws of Motion
 - » Variational Principles (e.g. Lagrangian Dynamics)
 - * Electricity and Magnetism
 - » Electrical Forces
 - » Fields
 - » Maxwell's Equations
 - * Quantum Mechanics
 - » Schrodinger Equation
 - * Statistical Mechanics
 - * Thermodynamics
 - » Laws of Thermodynamics
- Be able to apply the fundamental principles to particular situations. This includes:
 - * Developing a theoretical framework to fit a specific situation.
 - * Designing a computational model for intractable considerations and to check analytical results.
 - * Physically interpreting the mathematical statements that are derived.
- Have a well-developed ability to gain insight from theoretical and experimental results (physical insight).
- Be able to use standard software to prepare well-written, scientifically sound reports (both theoretical and experimental).
- Have an understanding of the basic tools and experimental apparatus used in research.
- Have a strong command of the scientific method.
- Be able to design an experiment.
- Write and present scientific works.
- Be able to model nonlinear systems and be fluent in the language used to describe chaotic systems.
- Enjoy learning

Requirements for Major in Pre-Engineering/Physical Science

All students are required to take a minimum of 36 credits within the department: CHEM 101, 102, PHYS 201, 202, 222, 241, 300, 490, either CHEM 385, 386 or PHYS 318, and CHEM 490 or PHYS 490. In addition, at least 6 credits from CHEM 211, 212, 285, 320; CPSC/MATH 210; CPSC 152, 275; MATH 354; PHYS 251, 261, 301, 302, 303. Also required are MATH 201, 202, 203, 341, and CPSC 151. ECON 162 is strongly recommended.

Combined Three-Two plans with Case Western Reserve University and Columbia University are available to students interested in various engineering or industrial management degrees.

As each specific engineering program has other course requirements the student will need to consult closely with the pre-engineering advisor about other course selections. A minimum overall and pre-engineering GPA of 3.30 is required to permit Bethany College students to transfer to the engineering school once requirements are met and students are accepted. No guarantee of acceptance by either engineering school is implied by the relationship.

Requirements for Minors

Experimental Physics: PHYS 201, 202, 222, 300, 318.

Theoretical Physics: PHYS 201, 202, and three additional courses selected from PHYS 251, 261, 300, 302, and 304.

Physics Courses

PHYS 100 Physics of Sports 4 credits

This course is an introduction to the fundamental concepts, laws, and theories of physics as they relate to a variety of sports. At the end of the course, students relate these concepts to their sports activities.

PHYS 103 Everyday Physics 4 credits

Everyday Physics is a study from non-technical and non-mathematical viewpoints of the aims, methods (experimental and theoretical), and achievements in the attempts to understand the basic principles governing the physical world. The course begins with commonplace observations and concrete examples and then proceeds to generalizations and hypotheses which unify them. This course is designed for non-science majors. The course includes three hours of lecture and two hours of laboratory each week. (This course may be taken for credit as GENS 103.)

PHYS 151 Astronomy 4 credits

This course is designed to introduce the non-science major to the field of astronomy. Topics include the history of astronomy, light and spectra, the solar system, stars and stellar evolution, galaxies, and the past and future history of the universe. Although the course is primarily descriptive, physical principles underlying astronomical phenomena are studied. The course includes three hours of lecture and two hours of laboratory each week. Laboratories include evening observation sessions and a field trip. An additional course fee is required. (This course may be taken for credit as GENS 151.)

PHYS 201-202 General Physics I & II 4 credits each

General Physics is a two-semester introduction to classical physics for science majors. The first semester focuses on classical mechanics, including kinematics and dynamics in two and three dimensions, momentum, energy, and rotational motion. The second semester covers electricity and magnetism, wave mechanics, and optics. The course includes three hours of lecture and two hours of laboratory each week. *Students must have taken or be currently enrolled in MATH 201 or equivalent.*

PHYS 222 Electronics 4 credits

The student is presented with the fundamentals of digital and analog circuit analysis. Among topics originally specific to analog circuits are DC circuit analysis using Kirchoff's laws, mesh equations, transformations, the use of multimeters and oscilloscopes, AC circuit analysis using complex impedances, capacitors, and inductors, resonance, step function analysis, and transitions. Among the topics originally specific to digital analysis are simple logic gates, IC chips, Boolean algebra, adders, flip-flops, shift registers, and counters. After the fundamentals are covered, the emphasis shifts to circuit analysis involving knowledge of both perspectives. This course includes three hours of lecture and two hours of laboratory each week. (This course may be taken for credit as CPSC 222.) *Prerequisite: PHYS 201,202 or equivalent or permission of the Chair of the Department.*

PHYS 241 Mathematical Methods in the Physical Sciences 3 credits

This course is primarily intended for students with one year of calculus who want to develop, in a short time, a basic competence in each of the many areas of mathematics needed in junior to senior courses in physics and chemistry. Thus, it is intended to be accessible to sophomores (or freshmen with AP calculus from high school). Topics include ordinary and partial differential equations, vector analysis, Fourier series, complex numbers, eigenvalue problems, and orthogonal functions. (This course may be taken for credit as MATH 241.) *Prerequisites: MATH 201, 202 or permission of the Instructor.*

PHYS 251 Mechanics 3 credits

This course is a study of particle mechanics, central force motions, free oscillations, rotations about an axis, moving coordinates systems, conservation theorems, Lagrange's equations, and Hamilton's equations. *Prerequisites: PHYS 201-202.*

PHYS 261 Electricity and Magnetism 3 credits

Topics in this course include electrostatics, magnetostatics, scalar and vector fields, Poynting's vector, Laplace's equation, and boundary value problems. *Prerequisites: PHYS 201-202.*

PHYS 300 Modern Physics 3 credits

This course uses mathematical and physical reasoning to present the foundations of modern physics. It emphasizes the subjects of special relativity, kinetic theory, atomic theory, and introductory quantum mechanics on the level of the Schrodinger equation. The course is intended for chemistry, mathematics, physics, or pre-engineering majors. *Prerequisites: PHYS 201-202 or permission of the Chair of the Department.*

PHYS 301 Nonlinear Dynamics and Chaotic Systems 3 credits

This course explores the latest developments in the analysis of nonlinear systems using computer enhanced analysis and novel mathematical approaches to these systems. Emphasis is placed on the special case of nonlinear dynamics known as chaotic

systems. *Prerequisites: PHYS 201, 202; MATH 201, 202.*

PHYS 302 Thermodynamics

3 credits

This course is a study of the physics of thermodynamic systems. Most of the course is devoted to the macroscopic properties of systems, including the first and second laws of thermodynamics, heat, entropy, imposed and natural constraints, equations of state, and applications. Statistical mechanics is briefly introduced to derive the large scale properties of systems from the microscopic behavior of their elements. *Prerequisites: PHYS 201-202 or permission of the Chair of the Department.*

PHYS 303 Plasma Physics

3 credits

This course examines the properties of plasmas, a collection of charged particles that exhibit collective behavior, and which are much more common than the other phases of matter (solids, liquids, and gases) when the entire known universe is considered, and which are becoming increasingly common in modern technologies. *Prerequisites: PHYS 201, 202, 241; MATH 201, 202.*

PHYS 304 Optics

3 credits

This course is an introduction to the nature of light and its uses. It begins with a study of geometric optics, including reflection, refraction, lenses and mirrors, and then moves to topics in physical optics, such as interference, diffraction, coherence, and polarization. *Prerequisites: PHYS 201-202 or permission of the Chair of the Department.*

PHYS 318 Advanced Physics Laboratory

2 credits

This course is designed to build on students' previous laboratory experience by acquainting them with more advanced experimental equipment and techniques. Students are taught to think like an experimentalist: to analyze and reduce error; to understand statistical inference; to interpret results; to write clear, thorough laboratory reports. Experiments in modern physics, optics, nuclear, and solid state physics are emphasized. *Prerequisite: PHYS 300 or permission of the Chair of the Department.*

PHYS 401 Introduction to Quantum Mechanics

3 credits

This course is a continuation of the study of classical quantum mechanics begun in PHYS 300. Topics include the three-dimensional Schrodinger equation, selection rules, addition of angular momentum, fine structure in hydrogen, exchange symmetry, the Zeeman effect, and stimulated emission. *Prerequisite: PHYS 300 or permission of the Chair of the Department.*

PHYS 480 Methods and Materials in Teaching Physical and Life Sciences

3 credits

This course is a study of the aims and methods of teaching the physical and life sciences in the secondary schools. Special attention is given to teaching general laboratory procedures and techniques of teaching. Each of the departments in the physical and life sciences participates in the program. *Prerequisite: 16 credits in one of the physical or life sciences or permission of the instructor; EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to the teacher education program.*

PHYS 487-488 Independent Study

2-4 credits

PHYS 490 Senior Project

2-4 credits

This course offers seniors independent work on research problems in theoretical or experimental physics. Experimental physics projects are offered in such areas as applied optics, electronics, radio astronomy, electron spin resonance, optical fibers, and various solid state subjects: conductivity measurements in semiconductors, charge-coupled devices, GaAs/GaAlAs quantum wells, and others. Theoretical physics projects are unlimited in scope and often involve computer modeling of physical systems. All projects are arranged through consultation with the student's advisor.

PHYS 495 Comprehensive Exams

This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Psychology

The Department of Psychology offers a major in Psychology with emphasis in Human Services, Scientific, Pre-Physical Therapy, and Pre-Occupational Therapy. The department offers a dual major in Psychology and Social Work with a Human Services or Scientific emphasis.

Faculty

Mark A. Affeltranger. *Associate Professor of Psychology; Chair*

John H. Hull. *Professor of Psychology*

Diane S. Synder. *Assistant Professor of Psychology*

Program Goals

The Psychology Departments objectives are to assist students in the development of the following skills and abilities:

- Familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology
- Understanding and application of basic research methods in psychology, including research design, data analysis, and interpretation

- Respect for and use of critical and creative thinking, skeptical inquiry, and when possible, the scientific approach to solve problems related to behavior and mental processes
- Understanding and application of psychological principles to personal, social, and organizational issues
- Ability to weigh evidence, act ethically, and conduct oneself in a manner reflective of the professionalism of psychology
- Recognition, understanding, and respect for the complexity of socio-cultural and international diversity
- Insight into one's own and others' behavior and mental processes and application of effective strategies for self-management and self-improvement

Requirements for Major in Psychology

Students completing a major in Psychology earn either a Bachelor of Arts degree (Psychology with a Human Services Emphasis) or a Bachelor of Science degree (Psychology with a Scientific Emphasis, Psychology with a Pre-Physical Therapy Emphasis, or Psychology with a Pre-Occupational Therapy Emphasis). All students majoring in Psychology must successfully complete the following courses: PSYC 100, 205, 207, 301, 306, 308; either 311, 312, or 313; 415, 477, 490, and 495. In addition each student must complete one of the following tracks:

Psychology with a Human Services Emphasis: A minimum of two additional credits in Psychology. Recommended are additional courses in psychology and courses in biology, history of scientific thought, human development, philosophy, sociology, and social work relevant to the student's particular interests. This track is designed to meet the needs of students who wish to pursue masters-level education in a variety of fields, such as counseling, organizational psychology, and guidance; of students who desire a broad undergraduate education and graduate education in areas outside psychology, such as business, law, and education; and of students who seek a broadly applicable undergraduate degree. Students completing this track earn a Bachelor of Arts degree.

Psychology with a Scientific Emphasis: An additional course from: PSYC 311, 312, 313; six credits in courses in natural science, including at least 2 credits in biology courses emphasizing animal physiology, genetics, or natural selection (BIOL 100 and 108 do not meet this requirement) with the remaining 4 credits in similar biology courses, physics (except Astronomy), or chemistry. Students planning on graduate school in psychology are advised to take at least one course in calculus. It should also be kept in mind that graduate schools may require a reading knowledge of a world language, usually French, German, or Spanish. This track is designed for students most interested in the scientific aspects of psychology, particularly for those who are considering graduate work in experimental or clinical psychology. Most Ph.D. programs in experimental or clinical psychology require the types of undergraduate courses included in this track. Students completing this track earn a Bachelor of Science degree.

Psychology with a Pre-Physical Therapy Emphasis: PSYC 315; BIOL 100, 268, 269; CHEM 101, 102; MATH 201; PHED 326, 327, 340, 341 (four hours of PSYC 470 or BIOL 205 may be substituted for PHED 240 and 341; also PSYC 220 may substitute for either PHED 240 or 341); PHYS 201, 202. Recommended courses are EDUC 203 or PSYC 230. This track is designed to prepare students to enter a graduate program in Physical Therapy. Students completing this track earn a Bachelor of Science degree.

Psychology with a Pre-Occupational Therapy Emphasis: The Pre-Occupational Therapy track prepares students for graduate study in Occupational Therapy. Occupational therapy teaches patients with brain injuries, neurological disorders, or developmental disorders skills to overcome their deficits. Since this field involves behavioral and cognitive training to overcome physiological programs, this track emphasizes anatomy and physiology, behavioral adjustment, mental illness, and developmental issues by requiring in addition to the psychology core courses the following: BIOL 100, 168, and 169; PSYC 230, 315, and a second lab-based psychology course (PSYC 311, 312, or 313). MATH 201, PHYS 201, and PHYS 202 may be recommended based upon the students' selection of graduate program.

Requirements for Dual Major in Psychology and Social Work

The dual major in Psychology and Social Work is designed for those students interested in clinical social work or mental health practice. Students completing the dual major must complete all of the Requirements for Psychology Major with a Human Services Emphasis or a Scientific Emphasis as listed above, plus all of the Requirements for Major in Social Work: SOWO 120, 150, 210, 230, 310, 320, 340, 350, 352, 455, 470, 472, PSYC or SOWO 490, 495.

Requirements for Teaching Certification

Only Psychology majors who have completed the following courses will be recommended for state certification to teach Social Studies in the secondary schools: HIST 101, 102, 201, 202, 225; SOCI 150, 210; ECON 162, 163, GENS 202; POLS 225; PSYC OR EDUC 480; SPED 207; RDNG 376; PSYC 100; the courses in the Professional Education Requirements described in the Education section of this *Catalogue*. *PSYC 480 is prerequisite to student teaching.*

Psychology Courses

PSYC 100 General Psychology

4 credits

This course is an introduction to the general field of psychology, including learning, motivation, sensation, perception, cognition, personality, abnormal behavior, testing, physiological psychology, and social psychology.

PSYC 101 Lab Experience

1 credit

This course provides exposure to experimentation and data analysis in the field of psychology. (This course must be taken for a letter grade.) *Open only to transfer students who have completed an introductory psychology course not including a laboratory component.*

- PSYC 102 Introduction to Psychology 4 credits**
This course is an introduction to the general field of psychology, including brain and sensory development, learning, cognitive processes, human development, personality, communication and human interaction, abnormality and theories of psychotherapy, testing, research methodology, and statistics. The course includes practical applications of psychological theories.
- PSYC 188 Psychology of Death and Dying 3 credits**
This course is an examination of various topics in the area of death and dying, including attitudes towards death, stages of dying, grief and mourning, children and death, funeral practices, the hospice movement, euthanasia, suicide, and immortality. The emphasis is on learning to live a deeper, more meaningful life through exploring the importance of death. An additional course fee is required.
- PSYC 205 Statistics in Psychology I 3 credits**
This course is an introduction to basic statistical techniques used in psychological research. This course covers descriptive statistics, and inferential statistics through one-way ANOVA. Attention is given to ethical issues involved in statistical interpretation of data.
- PSYC 207 Statistics in Psychology II 3 credits**
A continuation of PSYC 205, this course covers advanced ANOVA models, nonparametric statistical techniques, and data analysis using SPSS. *Prerequisite: PSYC 205.*
- PSYC 210 Psychology of Women 3 credits**
This course is a critical survey of empirical and theoretical treatments of the female experience. The intellectual, motivational, biological, and cultural factors which influence women throughout the life cycle are discussed.
- PSYC 220 Health Psychology 2 credits**
This course provides students with a basic understanding of theories, research, and concepts related to several physiological psychology topics that can be applied to their lives. The understanding of health psychology informs students about many of the biological and psychological processes experienced throughout their lives.
- PSYC 230 Developmental Psychology 3 credits**
This course is a study of human development from conception through old age. Topics include the influence of genetics, socialization, cognitive growth, and physiological changes on all stages of life. Students learn about current literature and applications in the field.
- PSYC 231 Gerontology 3 credits**
This course is a study of gerontology. Topics include the biological, cognitive, and psychosocial influences on aging. The interactions of the aging individual, younger generations, and society is examined. Students learn about current literature and social policy.
- PSYC 241 Religious and Psychological Lenses on Social Justice 3 credits**
In this cross-listed, interdisciplinary course, religious studies and psychological lenses are employed to examine issues of social justice, including factors which either promote or interfere with the creation of communities that value inclusion, diversity, and peace. Aiming to foster a concern for social justice, the course provides theoretical and practical tools to challenge injustice, including opportunities to think and work alongside local advocacy organizations. (This course may be taken for credit as RELS 241.)
- PSYC 243 Socio-Psychological Perspective of Physical Activities 3 credits**
This course emphasizes discussions and writings about small sports groups as micro-social systems. The application of group dynamics theory and small group research to the study of sports groups is presented. The influence of group members' characteristics, environmental factors, interpersonal relations, and group structural characteristics on an individual member's adjustment and the effectiveness of the group are investigated. The course is intended to investigate those aspects of psychology which influence performance and the participant in sports. Motives, arousal, aggression, and other socio-psychological variables are discussed. (This course may be taken for credit as PHED 243.)
- PSYC 250 Multicultural Psychology 3 credits**
This course is an examination of historical and contemporary factors which differentiate the experiences of African, Asian, Latino, and Native Americans from the experiences of other Americans. Students examine mainstream psychological treatment of these ethnic minority experiences and pose alternative approaches.
- PSYC 287 Organizations and Human Behavior 3 credits**
This course is a study of specific aspects of organization culture, such as motivation, conflict, power, and leadership. Focus is on improving the effectiveness of organizations by strengthening human processes. (This course may be taken for credit as ECON/BUSI 287.)
- PSYC 301 Tests and Surveys 3 credits**
This course is an overview of test and survey construction, intended to help students conducting original research to design their own psychological measurement instruments. Topics to be discussed include bias in testing and survey wording, assessment of reliability and validity, and various item formats used in psychological testing. Students will construct and test their own psychological instrument. *Prerequisites: PSYC 205; at least sophomore standing.*
- PSYC 306 Research Methodology 3 credits**
This course is an examination of various types of research design and important issues in design and statistical analysis. Students propose research projects as an application of principles covered in the course. *Prerequisite: At least junior status.*

PSYC 307 Statistics in Psychology III

3 credits

This course covers advanced topics in statistics such as forms of covariate analysis, regression modeling, and estimating effect sizes using SPSS. Additional emphasis is on the best ways to present inferential statistical analyses in presentations and publications. The course includes a service learning component. *Prerequisites: PSYC 207 or MATH 282 or permission of the instructor.*

PSYC 308 Writing Papers in Psychology

2 credits

This course prepares students to write a major research paper, adhering to APA guidelines. Students will learn to use appropriate references by writing an annotated bibliography. Using this as a starting point, students will then write an APA style research paper, including (at a minimum) an introductory literature review, a method section detailing the proposed design and procedures for gathering empirical data, and a reference list. *Prerequisites: A minimum of two classes in psychology, including PSYC 100; at least sophomore standing.*

PSYC 311 Experimental: Cognitive

4 credits

This course gives students experience, at the intermediate level, with the research process in psychology. Students will engage in experimental work in the areas of perception, cognition, and social processes. Some familiarity with computers is desirable. *Prerequisites: PSYC 100.*

PSYC 312 Experimental: Learning

4 credits

This course is similar in objective to PSYC 311, but covers the areas of learning and motivation. PSYC 312 may be taken before PSYC 311. *Prerequisites: PSYC 100, 205.*

PSYC 313 Experimental: Biopsychology

4 credits

This course is an exploration of the biological basis of behavior through experimental work. Focus is on the nervous and endocrine systems and on their respective roles in the production of normal and abnormal behaviors. This course includes a laboratory component. *Prerequisites: PSYC 100.*

PSYC 315 Modification of Behavior

2 credits

This course has two main aims: to help students learn systematically to analyze behavior in terms of reinforcement principles and to help students develop skills in the application of these principles to the modification of behavior in practical situations. Behavior modification is examined in the areas of behavior disorder, child-rearing, the work situation, and habit change.

PSYC 324 Personality Psychology

3 credits

This course covers major theories of personality and principles of personal adjustment and growth, including the following: development; motivation; dynamics; problems in group living; and intellectual, emotional, and social adjustment. The course should be valuable to the potential doctor, nurse, social worker, child-care worker, teacher, or parent.

PSYC 325 Abnormal Psychology

4 credits

This course explores the development, dynamics, social significance, and theoretical implications and treatment of deviant behavior. The concepts of normality and abnormality in relation to cultural norms and stereotypes are examined. The course should prove particularly useful to students planning a career in the helping professions.

PSYC 326 Social Psychology

3 credits

Aspects of social behavior are examined in the context of theory and experimental research. Topics include social factors in development, cooperation and competition, aggression, issues of gender and race, motivation, attitudes and attitude change, social influence, and interpersonal and group processes.



- PSYC 327 Interpersonal Relationships 3 credits**
 This course explores various theoretical perspectives of relationships with a primary focus on romantic relationships. Additionally, research on romantic partnerships will be explored. This course involves a number of primary source readings and is intended for advanced students. *Prerequisites: PSYC 100, junior or senior class standing. PSYC 326 is recommended.*
- PSYC 328 Interpersonal Aspects of Psychotherapy and Counseling 3 credits**
 This course is a study of the interpersonal characteristics and personality traits that are essential for successful counselors and psychotherapists. Communication skills are emphasized and practiced throughout the course. This course would be important for anyone who will be working in the helping professions, but would also be useful for anyone who is interested in improving interpersonal communication skills. Enrollment is limited to 12 students. *Prerequisite: PSYC 100.*
- PSYC 329 Theories of Psychotherapy and Counseling 2 credits**
 This course provides students with a basic knowledge of the varied theories and techniques used in professional psychotherapy and counseling. Both academic and experiential learning are included. This course should be particularly useful to students interested in careers in one of the helping professions. Enrollment is limited to 12 students. *Prerequisite: PSYC 100.*
- PSYC 344 Forensic Psychology 3 credits**
 This course reviews the applications of empirically-supported psychological theories to the criminal justice system. Theories in perception, personality, memory, problem-solving, and psycho-physiology are extended to explain validity of eyewitness testimony, lie detection devices, jury selection, jury decision-making, problems in interrogations, criminal profiling, and criminal trials of the mentally ill. Students discuss these areas while upholding the ethical principles of objectivity. We recommend this course for students interested in a criminal justice.
- PSYC 377 Junior Seminar 1 credit**
 This seminar prepares students for graduate school and employment opportunities after graduation as well as preparing for the senior year. Topics include preparing for aptitude tests, researching graduate schools, and beginning the application process. Students also gain more experience with reading research articles and begin preparation for the senior project.
- PSYC 415 Systematic Psychology 3 credits**
 This course is an examination of the systematic positions and theories that have been important in the history of psychology. Major figures holding each position are also discussed. *Prerequisite: senior status.*
- PSYC 470 Internship in Psychology 2-4 credits**
 Internships provide students with off-campus exposure to the life and work of professional psychologists. All internships must have the approval of the Psychology Department faculty and are supervised and evaluated by the departmental internship coordinator and by a psychologist in the field. A journal and a written summary of the student's experiences and their relationship to pertinent theories and practices of psychology is required. *Prerequisite: Declared Psychology or Psychology and Education Interdisciplinary major; junior standing or permission of the instructor.*
- PSYC 477 Senior Seminar 1 credit**
 This course is an introduction to professional opportunities in psychology and related fields and an exploration of value and ethical consideration. Continued guidance on senior project and senior comprehensive examinations also is provided during this course.
- PSYC 480 Methods and Materials in Teaching Psychology 3 credits**
 This course is a study of materials and methods used in teaching psychology at the secondary school level. The course focuses on contemporary theories and practices and examines the nature, objectives, and curricula of psychology Teaching aids, resource units, lesson plans, evaluation, and teaching reading and study skills are considered. (This course may be taken for credit as EDUC 480.) *Prerequisites: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to the teacher education program.*
- PSYC 487-488 Independent Study 2-4 credits**
- PSYC 490 Senior Project 2-4 credits**
- PSYC 495 Comprehensive Exams**
 This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Social Science

Social Science is a grouping of courses only. It is not a department and does not offer a major. It provides general and interdisciplinary courses in social science. Students who participate in such programs as the

American University Washington Semester and other off-campus programs may receive credit in this area.

Requirements for Teaching Certification

Only students who have completed the following courses or their equivalents will be recommended for state certification in Social Studies in the secondary schools: HIST 101, 102, 201, 202, 225; SOCI 150; ECON 162 or 163; GENS 202; POLS 225; SOSC or EDUC 480; the courses in the Professional Education Requirements described in the Education section of this *Catalogue* and on the department's website or in the resource area in the College's courseware solution.

SOSC 100 Service Learning 1 credit

This course is an experiential learning activity in a social welfare agency or academic setting supervised by a professional. Each student selects from a list of designated settings in an area of interest. To earn credit for the course, a student must complete a minimum of 30 hours of activity and observation in the designated setting and complete reading assignments, maintain journals, and write an analysis of the experience. The course is designed to provide experience in a practice area such as school social work or elementary education to assist students in making decisions about majors or to enable students to develop experience-based resumés. (CR/NCR only) *Prerequisite: Approval by the Education Program Director or by the Social Work Program Director.*

SOSC 101 Introduction to Law and the Use of Evidence 3 credits

This course is an overview of the objectives and procedures of criminal law. It includes a study of the elements and proofs associated with criminal acts. The rules of evidence and the protections of individual rights are examined.

SOSC 340 Professional Transitions 3 credits

This course prepares students for professional employment opportunities or graduate school. The aim of this course is to introduce the student to the professional world he or she is about to enter with an emphasis on practical strategies and techniques for success. It is intended mainly for juniors and seniors. *Prerequisite: Permission of the instructor.*

SOSC 480 Methods and Materials in Teaching Social Studies 3 credits

This course is an examination of the nature, objectives, and curricula of social studies in junior and senior high schools. Concepts and methods of approach are emphasized. Methods, techniques, teaching aids, resource units, lesson plans, evaluation, and teaching reading and study skills are examined. (This course may be taken for credit as EDUC 480. A 30 hour field placement is required.) *Prerequisites: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to the teacher education program.*

Social Work

The Department of Social Work offers a major in Social Work. The department offers a dual major in Psychology and Social Work with a Human Services or Scientific emphasis. A minor is available in Criminal Justice and Equine-Facilitated Therapy.

Faculty

Katherine Shelek-Furbee. *Assistant Vice President of Academic Affairs; Professor of Social Work; Program Director; Chair*
Melanee W. Sinclair. *Associate Professor of Social Work and Coordinator of Field Placements*

Program Mission Statement and Goals for Social Work

Based in the context of liberal arts education and the generalist model, the Social Work Program prepares students for beginning-level, professional social work practice in all practice settings. *This preparation focuses on assisting the socially and economically oppressed client populations from both urban and rural areas within the tri-state area of the Upper Ohio Valley.* Program implementation is founded in a humanizing orientation growing out of the historical roots of social work. It is designed to support the development of a lifelong social conscience and *commitment to continual professional development* that reflects a respect for human dignity, diversity, and commitment to social justice.

In keeping with the mission statement for the Social Work Program, the following goals provide a foundation for program objectives and student learning outcomes:

- Preparation of students for beginning level, generalist social work practice within the framework of the NASW Code of Ethics.
- Preparation of students to work with populations affected by oppression and discrimination and advocate for social and economic justice.
- Preparation of students with a solid foundation for graduate education and continued professional growth and development.

Social Work faculty believe that the Goals statements support the fulfillment of the Program Mission and accurately reflect the Mission of the College and its Goals.

Requirements for Major in Social Work

The purpose of the social work program is to prepare the student for entry-level, generalist social work practice. Students accomplish this goal by completing the following courses: SOWO 120, 150, 160, 210, 230, 260, 310, 320, 340, 350, 352, 360, 377, 455, 470, 490, 495; EDUC 203 or PSYC 230; and PSYC 100. Students are advised to take selected liberal arts core courses to complete the social work major. Students majoring in social work are expected to complete the liberal arts required

courses before they begin the professional study for the major. Social work practice courses must be taken in sequence, and students may not take the field placement courses (SOWO 470 and SOWO 472) without first completing all required social work courses except SOWO 455 and SOWO 490, which are taken in conjunction with the field placement experience. SOWO 120 is a prerequisite for all courses in social work except SOWO 125-145, 150, 210, 230, and 310. **The program does not grant social work course credit for life experience or previous work experience.** *The Council on Social Work Education (CSWE) accredits the Social Work program at the Bachelor of Social Work level.*

Requirements for Dual Major in Psychology and Social Work

The dual major in Psychology and Social Work is designed for those students interested in clinical social work or mental health practice. Students completing the dual major must complete all of the Requirements for Social Work Major listed above, plus all of the Requirements for Major in Psychology: PSYC 100, 205, 207, 301, 306, 308, either 301, 312, or 313, 415, 477, PSYC or SOWO 490, 495; plus the courses from one of the following options:

- **Human Services Emphasis:** A minimum of two additional credits in Psychology. Recommended are additional courses in psychology and courses in biology, history of scientific thought, human development, philosophy, sociology, and social work relevant to the student’s particular interests. This track is designed to meet the needs of students who wish to pursue masters-level education in a variety of fields, such as counseling, organizational psychology, and guidance; of students who desire a broad undergraduate education and graduate education in areas outside psychology, such as business, law, and education; and of students who seek a broadly applicable undergraduate degree. Students completing this track earn a Bachelor of Arts degree.
- **Scientific Emphasis:** An additional course from: PSYC 311, 312, 313; six credits in courses in natural science, including at least 2 credits in biology courses emphasizing animal physiology, genetics, or natural selection (BIOL 100 and 108 do not meet this requirement) with the remaining 4 credits in similar biology courses, physics (except Astronomy), or chemistry. Students planning on graduate school in psychology are advised to take at least one course in calculus. It should also be kept in mind that graduate schools may require a reading knowledge of a world language, usually French, German, or Spanish. This track is designed for students most interested in the scientific aspects of psychology, particularly for those who are considering graduate work in experimental or clinical psychology. Most Ph.D. programs in experimental or clinical psychology require the types of undergraduate courses included in this track. Students completing this track earn a Bachelor of Science degree.

See Psychology Department for course descriptions.

Requirements for Minors in Social Work

Criminal Justice: The minor in Criminal Justice is designed for those students interested in a career in a criminal justice setting, including probation programs, prisons, or the court system. Students complete the following required courses: CRJU 147, CRJU 148, CRJU 149, CRJU 201, CRJU 211, and two of the following elective courses: CRJU 301, CRJU 311, CRJU 321, INTD 203, CHEM 108, or PSYC 344.

Equine-Facilitated Therapy: *This option is only available to those students with a major in Social Work.* The Equine-Facilitated Therapy Minor program is designed for students interested in the use of horses to work with a variety of at-risk populations, including those with Autism, cerebral palsy, and other behavioral or physical challenges. The course work provides the foundation content for the Professional Association of Therapeutic Horsemanship (PATH) certification or EAGALA (Equine Assisted Psychotherapy and Equine Assisted Learning) certification.

Students must complete all courses listed under Requirements for Social Work Major in the Social Work section of this *Catalogue*, plus: EQUI 100, 101, 200, 304, 305, 2 credits from EQUI 103, 203, 204, 205, 303, 306, 403; and 6 credits from any of the following courses: EQUI 201, 202, 470; BIOL 168, 169; SPED 212, 312.

Other Suggested Minors: The following minors are recommended for consideration to supplement the social work major for those students not interested in the above listed options. Refer to the department indicated in brackets to learn more about requirements for these minors: Nonprofit Management Minor [Interdisciplinary Studies]; Religious Studies [Humanities]; Spanish [Humanities]; Women’s Studies [Interdisciplinary Studies]

The Social Work Program Curriculum: Students preparing for social work must complete the required professional courses. Social work practice courses must be completed in the sequence noted below. Required courses cannot be taken on a credit/no-credit basis.

First Semester	Credit	Second Semester	Credit
First-Year			

First Semester	Credit	Second Semester	Credit
PSYC 100 General Psychology	4	*SOWO 120 Introduction to Social Work & Social Welfare	3
SOWO 230 Supportive Counseling	3	SOWO 150 Social Problems	3
Sophomore			
SOWO 210 Human Diversity	3	SOWO 310 Human Behavior	3
EDUC 203 Human Development or PSYC 230 Developmental Psychology	3		
Junior			
*SOWO 350 Social Work Practice I	3	SOWO 320 Social Welfare Policies	3
		SOWO 340 Research Methods	3
		*SOWO 352 Social Work Practice II	3
		SOWO 377 Junior Seminar	1
Senior			
SOWO 455 Social Work Practice III	3		
SOWO 470 Field Placement	9		
SOWO 472 Senior Seminar	2		
SOWO 490 Senior Project	2		

*Please note: Students are eligible to enroll in SOCI 100 Service Learning (see Social Science section in the *Catalogue*) for courses with * above.

Admission to Social Work Program: During SOWO 120: Introduction to Social Work and Social Welfare, students majoring in social work will begin the process of admission to the Social Work Program. Students must complete admission to the Social Work Program prior to applying for the Senior Field Placement. Information and necessary forms can be obtained from the Department office. In order to be admitted to the Program, the following criteria must be met:

- Successful completion of SOWO 120: Introduction to Social Work and Social Welfare.
- Grade-point average of 2.0 overall.
- At least one positive recommendation from: an upper-class social work major in good standing; a previous faculty advisor; a full-time teaching faculty member from outside the department; or a professional social worker.
- Completion of an essay entitled, “Why I Want to Major in Social Work.”
- Successful completion of a 30-hour service-learning assignment with appropriate documentation from an agency representative.
- Completion of a criminal background check.
- Completion of a formal interview with the Social Work faculty advisors.

Applicants may be granted full admission, provisional admission, or denied admission. Appeal of the decision can be made through the Social Work Program Director.

Junior-Year Field Experience: Social work majors who have achieved the class rank of junior must complete two 50-hour field placement experiences. These experiences provide opportunities for students to apply content covered in SOWO 350/352: Social Work Practice I and II, and prepare the student for the senior field placement experience. Junior field experiences must be completed and all documentation submitted by April 15 of the junior year in order for the student to be eligible to apply for the senior field experience.

Senior-Year Field Experience: The senior field placement experience occurs during fall semester of the senior year. Students are placed in social service agencies in the surrounding counties/states. Related course work is integrated with the field placement to provide direct application to field experience.

Students can participate in the field placement semester only after having completed all required courses in social work, except SOWO 455 and SOWO 490, which are taken in conjunction with the field placement experience (which includes SOWO 470 and 472). Students must also have an academic record appropriate for retention in the Social Work Program, complete the Application for Field Placement, and file it with the Coordinator of Field Placements. The completed application is reviewed by the faculty of the Social Work department, which grants approval to enroll in the field experience.

Students are not permitted to schedule courses or undertake extra-curricular activities that conflict with the field placement experience.

Application for Licensure: Many states recognize licensure for social workers at the bachelor degree level (BSW). Students can obtain information about state licensing requirements from the office of the Social Work Program Director.

Advanced Standing in Graduate School: Graduates of the Social Work Program are eligible for advanced standing in Council on Social Work Education (CSWE) accredited MSW programs. Graduates with advanced standing are exempt from

foundation level courses in the MSW degree program, which eliminates up to two semesters of graduate education. In most cases, graduate degrees can be completed in as little as twelve months.

Transfer Students: Transfer students should contact the office of the Social Work Program Director for assistance in obtaining credit for course work required for the major, to assure that course work is not duplicated, and to obtain information about the Application to the Social Work program. The Program Director works with each transfer student to develop a plan to ensure a smooth transition.

Social Work Courses

SOWO 120 Introduction to Social Welfare and Social Work

3 credits

This course is an examination of the origin and development of social welfare as an institution in the United States. Examination of the role of the social worker and the place of the profession in society is the focus of the study.

SOWO 125-150 Special Topics in Social Work

2 or 3 credits

Seminars in this series study special topics of mutual interest to faculty and students.

SOWO 125 Family and Child Welfare

2 credits

This course is a comprehensive study of the principal child welfare services. It defines child welfare, placing it as a field of practice within social work, and presents a scheme for the categorization of child welfare problems in terms of role theory. It provides an historical perspective on how and why welfare services developed and describes the current socio-economic context in which they operate. Topics covered include adoption, child abuse and neglect, day care, foster care, and other child caring institutions.

SOWO 130 Drug and Alcohol Abuse

2 credits

This course provides drug and alcohol education to students interested in an enhanced understanding of the effects of drugs and alcohol on individuals, families, and the community at large. Topics covered in the course include the effects of alcohol and drugs on the body, the relationship between alcohol and drug use and mental illnesses, family issues resulting from abuse and addiction, the role of peer pressure, and identification, prevention, and treatment of alcohol and drug addiction.

SOWO 135 Working With the Aged

2 credits

This course is a study of the biological, psychological, social, economic, cultural, and spiritual factors of the aged in society. It is an overview for persons in the helping professions who want to work with older people individually or with members of families, groups, organizations, or communities. Research efforts are presented that illuminate present knowledge about various aspects of aging and about the heterogeneous elderly population in the United States. A field experience is an integral part of the course.

SOWO 145 Women's Issues Across the Life Span

3 credits

This course is an examination of the dilemmas facing women at various points throughout the life cycle. The study includes an exploration of the historical underpinnings of the women's movement and the formation of female gender identity in childhood. Subsequent emphasis is on adulthood, middle adulthood, and the later years of life. (This course may be taken for credit as SOCI 145.)

SOWO 150 Social Problems

3 credits

This course introduces the basic concepts and perspectives of the study of society including analysis of the principal institutions, social processes, and social problems experienced in contemporary society. (This course may be taken for credit as SOCI 150.)

SOWO 151-159

1 credit

Courses in this series are activity courses which may be taken only on a credit/no-credit basis.

SOWO 160 Field Observation

1 credit

This is a 50-hour observational experience in a social welfare agency of the student's choice. The purpose of the field observation is to increase the student's knowledge of the role of the social worker in an agency and assist in the support of social work as an appropriate career choice. May be taken in conjunction with SOWO 120 and completed before enrolling in SOWO 350.

SOWO 210 Human Diversity

3 credits

This course explores areas of human diversity, including race, religion, gender, national origin, socio-economic status, developmental challenges, sexual minorities, and alternative lifestyles. Using a systems approach to understanding human behavior, students study the impact of diversity on developmental tasks at the micro, mezzo, and macro levels. Interventions, needs of the population, and available community services are explored. Implications for policy, research, and practice are considered. (This course may be taken for credit as SOCI 210.)

SOWO 230 Supportive Counseling

3 credits

This course is designed to help students develop helping, listening, and counseling skills. In particular, students will demonstrate an understanding of the therapeutic relationship, including the skills of active listening, empathy and positive regard, and the issues of resistance, transference, and defense mechanisms. Students will identify the effect of body language and environment on the counseling process. Students will identify and practice the skills needed to provide individual and small group counseling in a social service setting.

SOWO 260 Field Experience I

1 credit

This is a 50-hour field experience in a social welfare agency as approved by the Coordinator of Field Placements. The purpose of this field experience is to apply theory and models presented in the classroom to agency practice. *Prerequisite: SOWO 120.* May be taken in conjunction with SOWO 350 and completed before enrolling in SOWO 352.

SOWO 310 Human Behavior and the Social Environment

3 credits

This course is an exploration of human behavior with the continuing potential for growth and change. The developmental process across the life span is studied with an emphasis on interaction with the social environment at the individual, family, small group, organization, and community levels. The bio-psycho-social-cultural-spiritual determinants of behavior are studied, integrating knowledge of individuals with their environments to build a foundation for the development of professional assessments and interventions. *Prerequisite: EDUC 203 or PSYC 230*

SOWO 320 Social Welfare Policies and Services 3 credits

This course is an examination of the social, historical, political, and economic context of social welfare policies and programs. Students gain experience in analysis of specific policy issues and their implications for professional social work practice. *Prerequisite: SOWO 120*

SOWO 340 Research Methods and Statistics 3 credits

This course is the study and use of qualitative and quantitative methods. It includes study of statistical and sociological analysis of social phenomena. The statistical study focuses on numbers, frequencies, means, variance, regressions, multivariate analyses and SPSS. The sociological study focuses on the process of conducting social research, the application of statistics, and computer technology. (This course may be taken for credit as SOCI 340.) *Prerequisite: SOWO 120*

SOWO 350 Social Work Practice I 3 credits

This course is the first course in knowledge, skill, and value development for generalist practice. Basic theories and concepts and the skills for professional social work practice with individuals are presented. The study focuses on professional values, social work roles, and social work client relationships. Skills in interviewing, data collection, problem solving, planning, case recording, and evaluation are explored and practiced. Social work practice is explored within the context of current programs and practice methods. Instructor permission is also required. *Prerequisite: SOWO 120, SOWO 160.*

SOWO 352 Social Work Practice II 3 credits

This course is the second course in knowledge, skill, and value development for generalist practice. Basic theories and concepts and the skills for professional social work practice with families and small groups are presented. The study focuses on professional values, social work roles, and social work client relationships. Skills in interviewing, data collection, problem solving, planning, case recording, and evaluation are explored and practiced. Social work practice is explored within the context of current programs and practice methods. A field placement is required for this course. *Prerequisite: SOWO 120, 160, 260 and 350.*

SOWO 360 Field Experience II 1 credit

This is a 50-hour field experience in a social welfare agency as approved by the Coordinator of Field Placements. The purpose of this field experience is to apply theory and models presented in the classroom to agency practice. *Prerequisites SOWO 120 and SOWO 350.* May be taken in conjunction with SOWO 352 and completed before enrolling in SOWO 470.

SOWO 377 Junior Seminar 1 credit

The purpose of this course is to prepare junior social work majors to enter the senior field placement experience. Students will identify the process to apply for field placement and current opportunities available for the senior placement, develop resumes, set up interviews, and submit choices for placement. The course will also prepare students for the graduate school application process, field placement and job interviews, and appropriate dress and behavior in the workplace. *Prerequisite: SOWO 120*

SOWO 455 Social Work Practice III 3 credits

This course is the third course in knowledge, skill, and value development for generalist practice. Basic theories and concepts and the skills for professional social work practice with organizations, communities, and society are presented. The study focuses on professional values, social work roles, and social work client relationships. Skills in interviewing, data collection, problem solving, planning, case recording, and evaluation are explored and practiced. Social work practice is explored within the context of current programs and practice methods. *Prerequisite: SOWO 120, 160, 260, 350, 352 and 360.*

SOWO 470 Field Placement 9 credits



This course is an educationally directed internship experience as a social work practitioner in a social welfare agency or program. Students are assigned to qualified field instructors in designated settings. The field experience involves five full days each week during the fall semester of the senior year. The placement is designed to test and increase student practice skills and formalize the development of a professional identity, with the goal of self-direction and the appropriate use of supervision and consultation within the social work practice setting. *Prerequisites: SOWO 120, 150, 160, 210, 230, 260, 310, 320, 340, 350, 352 and 360.*

SOWO 472 Field Placement Seminar 2 credits

This course is an integrative seminar for the transitional role of the student moving from an undergraduate academic setting to the world of work. A field experience is required. (CR/NCR only.) *Prerequisites: SOWO 120*

SOWO 487-488 Independent Study 1-4 credits

Studies may be planned as extensions of or additions to existing Social Work offerings.

SOWO 490 Senior Project 2-4 credits

This course is a self-directed research project in a selected topic of social work practice designed to allow the student to integrate the professional value, skill, and knowledge base for generalist practice.

SOWO 495 Comprehensive Exams

This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Criminal Justice Courses

CRJU 147 Introduction to Criminal Justice 3 credits

This course provides the student with an overview of the criminal justice system, including how the various components work together. Students will examine the impact of the courts, Constitution, and laws on the various organizations within the system. This course also presents the student with the definitions of key terms and concepts that will appear throughout the criminal justice curriculum.

CRJU 148 Law Enforcement 3 credits

This course provides the student with an overview of the development of law enforcement organizations throughout American history, with an emphasis on local policing. Students will examine the missions, procedures, and challenges found in local law enforcement agencies. Topics covered in the course include arrest procedures, patrol strategy, community relations, and organizational structure.

CRJU 149 Corrections 3 credits

This course introduces students to the philosophical foundation behind punishment and defines American correctional methods, including incarceration and community-based programs. Students will examine the sentencing process and the challenges of managing a correctional institution. This course also includes analysis of contemporary correctional issues, including privatization and capital punishment.

CRJU 201 Criminal Law and Procedures I 3 credits

This course provides content on the purpose and creation of criminal laws. In addition, students examine the processes involved in prosecuting a criminal case, from the time of arrest through the trial and appeal. Topics covered in this course include arraignment, pre-trial preparation, and courtroom procedures.

CRJU 211 Criminology 3 credits

This course covers content on the science behind the criminal justice system. Students examine the theories and data that have driven changes in the system. In addition, students consider the question of how criminal behavior develops by examining theories related to genetics, biology, psychology, and sociology.

CRJU 301 Criminal Investigation 3 credits

This course provides content on specific investigative techniques and the roles played by criminal investigators. Students examine the laws and court cases that govern interrogations, property seizure, and evidence preservation. The course also provides opportunities for students to practice basic skills related to surveillance and the collection and preservation of crime scene evidence.

CRJU 311 Juvenile Justice 3 credits

This course covers content on the unique characteristics of the juvenile branch of criminal justice. Students examine the crimes and behaviors typical of juveniles and the methods used by law enforcement and social organizations to prevent and correct these behaviors. This course includes a review of the "vocabulary" of juvenile justice and the root causes of delinquency.

CRJU 321 Homeland Security 3 credits

This course introduces students to the various agencies tasked with the mission of protecting America from foreign threats and the methods these agencies employ. Students will examine the major terrorist groups, both foreign and domestic, that present the most serious threats to national security. The course includes a review of the Patriot Act and other legislation related to homeland security.

Sociology Courses

SOCI 145 Women's Issues Across the Life Span

3 credits

This course is an examination of the dilemmas facing women at various points throughout the life cycle. The study includes an exploration of the historical underpinnings of the women's movement and the formation of female gender identity in childhood. Subsequent emphasis is on adulthood, middle adulthood, and the later years of life. (This course may be taken for credit as SOWO 145.)

SOCI 150 Social Problems

3 credits

This course introduces the basic concepts and perspectives of the study of society, including analysis of the principal institutions, social processes, and social problems experienced in contemporary society. (This course may be taken for credit as SOWO 150.)

SOCI 210 Human Diversity

3 credits

This course explores areas of human diversity, including race, religion, gender, national origin, socio-economic status, developmental challenges, sexual minorities, and alternative lifestyles. Using a systems approach to understanding human behavior, students study the impact of diversity on developmental tasks at the micro, mezzo, and macro levels. Interventions, needs of the population, and available community services are explored. Implications for policy, research, and practice are considered. (This course may be taken for credit as SOWO 210.)

SOCI 340 Research Methods and Statistics

3 credits

This course is the study and use of qualitative and quantitative methods. It includes study of statistical and sociological analysis of social phenomena. The statistical study focuses on numbers, frequencies, means, variance, regressions, multivariate analyses and SPSS. The sociological study focuses on the process of conducting social research, the application of statistics, and computer technology. (This course may be taken for credit as SOWO 340.) *Prerequisite: SOWO 120*

SOCI 487-488 Independent Study

1-4 credits

Studies may be planned as extensions of or additions to existing offerings.

Visual and Performing Arts

The Department of Visual and Performing Arts includes programs in Music, Theatre, and Visual Arts. The Department offers majors in Music, Performance, Technical Theatre, Studio Art, and Art Education. A minor is available in Music, Theatre, and Visual Arts.

Faculty

Pandel L. Collaros. *Assistant Professor of Music; Chair*

Aaron Anslow. *Associate Professor of Fine Arts*

Luke L. Hardt. *Associate Professor of Theatre*

Kenneth L. Morgan. *Professor of Fine Arts*

William J. Ton. *Assistant Professor of Music*

Program Goals for Visual and Performing Arts

The Visual and Performing Arts programs at Bethany College are designed to achieve the following goals for their students:

- Provide study in the disciplines of Music, Theatre, and Visual Art
- Promote the understanding of the historical and aesthetic unity of the disciplines
- Enhance understanding of historical and aesthetic unity with creative practice
- Promote life-long participation in the arts
- Prepare students for careers and graduate study

Music

Requirements for Major in Music

MUSI 103, 171, 172, 230, 250, 251, 271, 272, 477, 490, 495; THEA 103 or VISA 100 or VISA 101; 7 credits of Applied Lessons; 8 credits of ensemble or registration in an ensemble each semester that the student is a music major. Applied Instrument or Voice Proficiency Exam or four semesters of individual applied instrument or voice instruction that may or may not be in the same instrument and/or voice.

Requirements for Minor

Music: MUSI 103, 171, 172, 250 or 251; 4 credits of Applied Lessons; 4 credits of Ensemble.

Music Courses

- MUSI 100 Applied Lessons in a Group Setting 1 credit**
This series of courses provides instruction through group lessons for students with little or no background in the instrument to be studied. Appropriate techniques in performance, sight reading and introductory repertoire are studied.
- SEC AA Voice Class**
SEC BB Piano Class
SEC CC Guitar Class
- MUSI 101 Music Literacy 2 credits**
This course instructs the student in reading conventional music notation. The repertoire used as examples will be drawn from a variety of sources that include popular, folk, and classical music.
- MUSI 102 MIDI and Musical Notation Software 3 credits**
Instruction will be provided in the application of Musical Instrument Digital Interface (MIDI) between electronic musical instruments, digital audio workstations, and recording and notation software. *Prerequisite: MUSI 101 or MUSI 171.*
- MUSI 103 Introduction to Music 3 credits**
This course is an historical and aesthetic study of western art music that emphasizes learning to listen. Representative masterworks are studied and consideration is given to aesthetic functions and values. Preparing for and attending live concerts are essential parts of the course.
- MUSI 104 Out of the Blues and Into Rock 3 credits**
This course focuses on the development of the African American genre of music known as blues and its impact on popular music as it developed in North America and Britain during the 1960s, 1970s, and beyond. The student is expected to acquire a comfortable familiarity with the course content. Activities include lectures, readings, watching DVDs, listening to CDs, live in-class performances, and writing. (This course may be taken for credit as FINA 104.)
- MUSI 105 College Choir 1 credit**
The Bethany College Choir performs music in a broad range of styles. Concerts are on campus and off campus on weekdays and weekends and sometimes during tours. Members attend two weekly rehearsals and performances and extra rehearsals as scheduled. Members are assessed the cost of purchasing appropriate formal concert attire. This course may be repeated for a maximum of eight credits. (This course may be taken for credit as FINA 105.)
- MUSI 106 College Wind Ensemble 1 credit**
The College Wind Ensemble performs music in a broad range of styles. Members attend weekly rehearsals plus performances and extra rehearsals as scheduled. Concerts are on and off campus. Active student leadership is strongly encouraged. This course may be repeated for a maximum of eight credits. (This course may be taken for credit as FINA 106.) *Prerequisite: an audition is required.*
- MUSI 107 Rock Ensemble 1 credit**
The Rock Ensemble composes, records, performs, and promotes original music in popular idioms. Members attend frequent rehearsals and recording sessions. The group presents live performances on and off campus and produces audio recordings (CDs) for distribution. In addition to composers and musicians, students interested in the technical and promotional aspects of the project are also encouraged to enroll. Active student leadership is strongly encouraged. (This course may be taken for credit as FINA 107.) *Prerequisite: An audition and/or interview is required.*
- MUSI 109 Guitar Ensemble 1 credit**
This course prepares and performs music appropriate to the instrument. Members attend weekly rehearsals, plus performances and extra rehearsals as needed. Active student leadership is strongly encouraged. (This course may be taken for credit as FINA 109.)
- MUSI 110 Digital Audio Production for Music 3 credits**
This course focuses on hands-on experience in multi-track recording of musical instruments using a digital audio workstation. It also sets the state stage for an additional work in digital editing, mixing, and mastering techniques. (This course may be taken for credit as COMM 110.)
- MUSI 111-112, 211-212, 311-312, 411 Applied Lessons, Individual 1 credit each**
This series of courses provides individualized instruction in applied music technique and repertoire focusing on the student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. An additional fee is required for this course. (These courses may be taken for credit as FINA 111-112, 211-212, 311-312, 411-412.) *Prerequisite: Permission of Instructor.*
- SEC 01 Voice**
SEC 02 Piano/Organ
SEC 03 Guitar/Bass/Folk Strings
SEC 04 Winds/Brass/Percussion
SEC 05 Orchestral Strings
- MUSI 114 Live Sound for Music 2 credits**
Instruction will be provided in live sound applications for music. This includes sound reinforcement, recording of live performances, and the use of pre-recorded or MIDI materials in live performances.

- MUSI 171 Music Theory I / Ear Training I 4 credits**
 This course provides an introduction to the stylistic practices of music from the 17th and 18th centuries, and also considers more recent and vernacular music. It begins with a review of music fundamentals including scales, intervals, and notational practices. The course continues with an examination of several melodic, harmonic, rhythmic, and formal structures found in the music under consideration. The ear training component parallels the concepts presented in the music theory portion of the course as is appropriate. *Prerequisite: MUSI 101 or Score of 95% on the Bethany College Music Literacy Placement Examination.*
- MUSI 172 Music Theory II / Ear Training II 4 credits**
 This course continues the study of the harmonic, melodic, and contrapuntal practices of music from the 17th and 18th centuries, but may include study of more recent literature as well. The course begins with a review of topics from the previous semester and continues with an examination of concepts that will lead to a solid understanding of diatonic modulation and basic forms by the end of the semester. The ear training component parallels the concepts presented in the music theory portion of the course as is appropriate. *Prerequisite: MUSI 171.*
- MUSI 210 Editing, Mixing, and Mastering Digital Audio for Music 3 credits**
 This course is the second in a series that addresses the processes of digital audio production for music. It is designed to focus on the processes of editing, mixing, and mastering digital audio for music. (This course may be taken for credit as COMM 210.) *Prerequisite: COMM/MUSI 110*
- MUSI 230 Conducting I 3 credits**
 This course is a study of basic conducting technique and ensemble repertoire. Students work with and without a baton in exploring the art of communication by gesture. (This course may be taken for credit as FINA 230.) *Prerequisite: Permission of the instructor.*
- MUSI 250 Music History: Medieval-Classical 3 credits**
 This course is a detailed, chronologically-organized study of the development of western art music. Students are introduced to the research materials, repertoire, composers, and styles representative of each era. Attention is given to concurrent philosophical, religious, historical, and artistic events and movements. Emphasis is on the development of listening skills.
- MUSI 251 Music History: 18th-20th Centuries 3 credits**
 This course is a detailed, chronologically-organized study of the development of western art music from the 18th century to the present. Students are introduced to the research materials, repertoire, composers, and styles representative of each era. Attention is given to concurrent philosophical, religious, historical, and artistic events and movements. Emphasis is on the development of listening skills.
- MUSI 271 Music Theory III / Ear Training III 4 credits**
 Music Theory III provides an introduction to the stylistic practices of music from the 19th century and also considers more recent and vernacular music. It begins with a review of topics covered in Music Theory I and II and continues with the examination of advanced melodic, harmonic, rhythmic, and formal structures such as chromatic harmony, extended tertian harmonies, and enharmonic modulation found in the music under consideration. The ear training component parallels the concepts presented in the music theory portion of the course as is appropriate. *Prerequisite: MUSI 172.*
- MUSI 272 Music Theory IV / Ear Training IV 4 credits**
 This course continues the study of the harmonic, melodic, and contrapuntal practices of music from the 17th century to the present and also considers modern vernacular music. The course begins with a review of extended tertian harmony. It then continues with an examination of topics such as set theory; serialism; polytonality; chance processes; minimalism; experiments in timbre, texture, scalar formations, harmony, and rhythm; and extended instrumental and vocal techniques that characterize the compositional, theoretic, and analytic concepts of the 20th century. The ear training component parallels the concepts presented in the music theory portion of the course as is appropriate. *Prerequisite: MUSI 271.*
- MUSI 309 Audio Recording Portfolio 3 credits**
 In this course, students produce a number of projects that would be appropriate for a professional portfolio in audio recording. *Prerequisites: COMM/MUSI 110, COMM/MUSI 210, and all MUSI courses required for the Music Technology major.*
- MUSI 477 Senior Seminar 1 credit**
 This course is a review of material covered throughout the music curriculum with particular concern for a student's area of concentration. Academic and professional career opportunities are explored. Guidance for the Senior Project and preparation for the Senior Comprehensive Examination are also provided.
- MUSI 487-488 Independent Study 2-4 credits**
- MUSI 490 Senior Project 2-4 credits**
- MUSI 495 Comprehensive Exams**
 This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Theatre

Requirements for Major in Theatre

THEA 103; a total of six performance and/or technical credits from 105-106; 120, 151, 153, 210, 250, 330, 335, 374, 375, 477, 490, 495; ENGL 270; VISA 100, 101, or MUSI 103; the courses in one of the following tracks:

Performance: THEA 220, 226, 227.

Technical Theatre: THEA 251, 252, 306.

Participation in theatrical productions is required for all Theatre Performance and Technical Theatre majors.

Requirements for Minor

Theatre: THEA 103, 120, 151; 4 credits from THEA 105 and 106; THEA 335, 374, or 375; 4 credits THEA electives. Participation in theatrical productions is required.

Theatre Courses

- THEA 103 Introduction to Theatre 3 credits**
This course is an introduction to the form and function of theatre as a creative art. Students discover the process of creating theatre through the study and practical understanding of playwriting, acting, design, the audience, and aesthetics. Ten hours of workshop participation is required. An additional course fee is required.
- THEA 105 Production: Performance 1 credit**
This course may be taken for repeatable credit for performing a role in a mainstage production. The course may be taken in any half-semester either concurrent with or subsequent to completion of the project. *Prerequisite: Permission of instructor. An audition is required.*
- THEA 106 Production: Technical 1 credit**
This course may be taken for repeatable credit for any major backstage role in a mainstage production, or in productions approved by the instructor, such as stage managing a senior project or Student Theatre Festival. The course may be taken in any half-semester either concurrent with or subsequent to completion of the project. *Prerequisite: Permission of instructor.*
- THEA 120 Beginning Acting 3 credits**
This course is an introduction to actor preparation, scene analysis, and theatre games. Laboratory hours and auditioning for departmental productions are required.
- THEA 151 Stagecraft 3 credits**
This course is an introduction to the elements of technical theatre. Students gain theoretical and practical understanding of scenery, lighting, properties, costumes, and makeup, as well as backstage and safety rules and regulations. Fifteen hours of laboratory are required.
- THEA 153 Makeup Design 2 credits**
This course presents theoretical and practical understanding of makeup techniques from basic corrective to character and stylized. An additional course fee and purchase of an individual makeup kit is required.
- THEA 210 Playwriting 3 credits**
This course is a practical experience in dramatic construction and writing of plays.
- THEA 220 Intermediate Acting 3 credits**
This course continues preparation, analysis, and games with additional performance exploration of a range of dramatic genres. Auditioning for departmental productions is required.
- THEA 221 Acting for the Camera 2 credits**
This course investigates the basics of on-camera work, including terminology and strategies for enhancing appearance on camera. Students perform scenes and improvisational exercises and may prepare work for telecasting on the Bethany TV station. (This course may be taken for credit as COMM 221.)
- THEA 225 Dance and Movement 2 credits**
This course provides instruction in dance forms including ballet, jazz, tap, modern, interpretive, and improvisational and in one or more stage movement skills such as clowning, comedia, tumbling, mask work, mime, period stylization and gesturing, and unarmed combat.
- THEA 226 Stage Voice 2 credits**
This Linklater-based course is an introduction to the care and appropriate use of the speaking voice. Students learn standard stage American and a variety of dialects and present memorized monologues. *Prerequisite: THEA 120.*
- THEA 227 Stage Movement 2 credits**
This course is an introduction to safe and supple ways to move on stage and an investigation of techniques for actors to enhance body control. The course includes unarmed stage combat. *Prerequisite: THEA 120.*
- THEA 230 Theatre for Young Audiences 3 credits**
This course is the study of theatre for young audiences from the perspective of playwrights, actors, teachers, and designers.

All students registering for this course are expected to participate in a production and to make field trips to area schools and/or participate in workshops sponsored for area elementary school students. Students should expect some performance aspects.

- THEA 250 Stage Management 3 credits**
This course is an introduction to stage and business management for the theatre. The course focuses on the organizational and business aspects imperative to running a successful production, including, but not limited to; running rehearsals, business contracts, working with various performance unions, budgets, season selection, and production organization. Each student is expected to participate in the departmental productions as an assistant stage manager. *Prerequisite: THEA 151 or THEA 120 or permission of the instructor.*
- THEA 251 Set Design and Construction 3 credits**
This course is a study of the basic elements of set design and construction and provides practical experience in designing and building sets for performances. Twenty hours of laboratory time are required. *Prerequisite: THEA 151.*
- THEA 252 Lighting Design 3 credits**
This course is a study of the basic elements of lighting design and practical experience in working with lighting for stage performances. Fifteen hours of laboratory are required. *Prerequisite: THEA 151.*
- THEA 253 AutoCAD I 3 credits**
Students will learn to use the software, AutoCAD, as a drafting and design tool. They will learn how to create a virtual workspace, to draft in that workspace and how to use this tool to communicate their designs. Concepts covered will include: drafting, layers, text, objects, and modifying properties, and inserting raster images. They will also learn how to plot and email their work, in order to share it with other sources. (Students are required to have access to a personal computer to which they can download the free software. Laptop computers are preferable, but not required. AutoCAD is not compatible with Macintosh computers, so a Windows based computer is necessary.)
- THEA 254 Costume Design and Construction 3 credits**
This course is a study of the history and basic elements of costume design and provides practical experience in designing costumes for performances. Fifteen hours of laboratory are required.
- THEA 270 Women Playwrights 3 credits**
This course involves reading, analyzing and discussing the work of women playwrights through Western Theatre History beginning with Hrosvitha and moving to contemporary drama. This course will look at works from European, African-American, Hispanic, Asian-American and white playwrights and will also examine how the individual's culture also colors their perspective as a theatre artist.
- THEA 274 Scripts in Performance 3 credits**
This course is a study of major plays from classical Greece to the modern era, focusing on reading and interpreting these works as literary documents intended for performance. Students study scripts within both the original and contemporary performance contexts.
- THEA 306 Period Styles for the Theatre 3 credits**
This course is an exploration of the historical events that have shaped the decorative arts in different ages. Students study the craft, architecture, décor, clothing, mannerisms, politics, social attitudes, and economic conditions as sources for creating the visual/sensory world of a theatrical production in an appropriate historical context.
- THEA 320 Advanced Acting 3 credits**
This course is an introduction to performing in plays written in verse and includes special vocal requirements of classical plays as well as semiotic analysis. *Prerequisites: THEA 120, 220, 374, 375.*
- THEA 330 Directing I 2 credits**
This course is a study of basic techniques of stage direction and production. A minimum of 15 lab hours is required. *Prerequisites: THEA 103, 120, 151, 252, and at least 3 credits from THEA 105-106.*
- THEA 335 American Theatre 3 credits**
This course is an overview of the history of theatre in America, beginning with Native American rituals and finishing with an examination of the significant trends in American drama as the 21st century unfolds.
- THEA 374 Theatre History I 3 credits**
This course is an historical and aesthetic study of theatre in the Western European tradition from ancient times through the Renaissance. Special emphasis is on the function of theatre in each society studied.
- THEA 375 Theatre History II 3 credits**
This course is an historical and aesthetic study of theatre in the Western European tradition from the Renaissance through the 20th Century. Special emphasis is on the function of theatre in each society studied.
- THEA 420 Acting/Design Projects in Performance 1-3 credits**
This is a course in which students work in specific areas of theatre which hold special interest for them. Students may study the work of innovative theorists or professionals, styles, or personal development in performance or production technique. *Prerequisite: Permission of the instructor.*
- THEA 430 Directing II 2 credits**

In this course, students direct a one-act play under faculty supervision. *Prerequisite: THEA 330 and permission of the instructor.*

THEA 477 Senior Seminar 2 credits
This course is a review of material covered throughout the theatre curriculum with particular concern for the student's area of concentration. Academic and professional career opportunities are explored. Guidance on Senior Project and preparation for Senior Comprehensive Examination are provided.

THEA 487-488 Independent Study 2-4 credits

THEA 490 Senior Project 2-4 credits

THEA 495 Comprehensive Exams
This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Visual Art

Requirements for Major in Visual Art

VISA 100, 101, 201, 202, 203, 211, 213, 222 or 223, 231, 477, 478, 490, 495; the courses in one of the following tracks:

Studio Art: one course from VISA 301, VISA 311 or VISA 313; either VISA 321 or VISA 331; MUSI 103 or THEA 103.

Art Education: one course from VISA 301, VISA 311 or VISA 313; either VISA 321 or VISA 331; VISA 480; and FINA 125.

To be recommended for certification, a student must also complete the courses in the Professional Education Requirements described in the Education section of this *Catalogue* and on the department's website or in the resource area in the College's courseware solution. The following courses are prerequisite to student teaching: FINA 125; VISA 480.

Requirements for Minor

Visual Art: VISA 100 or 101, 201, 202, 203, 211 or 213; one course from VISA 222, 223, or 231; one course from VISA 301, 311, 313, 321, or 331.

Visual Art Courses

VISA 100 Art History: Ancient through Medieval 3 credits
This is an historical and aesthetic introduction to the visual arts from ancient times through the medieval period. Representative works of art are studied and consideration is given to aesthetic functions and values. Upon completion of this course, students are expected to understand the historical significance of the visual arts and how they relate to their own experience.

VISA 101 Art History: Renaissance through Post-Modern 3 credits
This is an historical and aesthetic introduction to the visual arts from the Renaissance to the present. Representative works of art are studied and consideration is given to aesthetic functions and values. Upon completion of this course, students are expected to understand the historical significance of the visual arts and how they relate to their own experience.

VISA 201 Drawing I 3 credits
This introductory course is designed to assist students in understanding the basic concepts and techniques of representational drawing. The students work on assigned problems in rendering form and exploring drawing media as a visual thought process. An additional course fee is required.

VISA 202 Art Fundamentals 3 credits
This basic foundation course introduces the components, principles, elements, and materials that comprise two-dimensional visual art. Emphasis is placed on ways of looking at art in an historical context. This course is a studio experience with periodic lecture and field trip study. An additional course fee is required.

VISA 203 Three-Dimensional Design 3 credits
This course is an introduction to the theory and practice of various media used for expression through sculptural forms. Various techniques and materials are explored with emphasis on design potential and implementation. An additional course fee is required.

VISA 211 Painting I 3 credits
This course is an introduction to the language and methods of painting in acrylics using opaque and transparent techniques. Working from still life, landscape, the human figure, and the imagination, students explore composition fundamentals as well as color theory. An additional course fee is required.

VISA 213 Printmaking I 3 credits
This course is an introduction to creating relief and intaglio prints using a variety of techniques including oil and watercolor

monotypes. Students are expected to develop a working vocabulary of technical terms and processes. An additional course fee is required.

VISA 222 Clay I: Wheel Thrown Pottery 3 credits
This course emphasizes a concentrated study of the processes, various techniques, and history of ceramic art made on the potter's wheel. Emphasis is on clay construction using potter's wheel, decorating, firing, and glazing pottery. An additional course fee is required.

VISA 223 Clay II 3 credits
This course is a continued study and application of problems in wheel-throwing and handbuilding clay techniques. An additional course fee is required. *Prerequisite: VISA 222 or VISA 223.*

VISA 231 Sculpture I 3 credits
This course investigates the application of creative expression through three-dimensional forms. Emphasis is on the development of skills through processes involving subtractive, additive, casting, and assemblage. An additional course fee is required.

VISA 301 Drawing II 3 credits
This course provides advanced studio experience in drawing with emphasis on experimentation with various drawing media and techniques. An additional course fee is required. *Prerequisite: VISA 201.*

VISA 311 Painting II 3 credits
This course provides advanced studio experience in painting, using acrylics, oils, or watercolors. An additional course fee is required.

VISA 313 Printmaking II 3 credits
This course is an advanced studio experience in relief, intaglio, or lithographic printmaking techniques. An additional course fee is required. *Prerequisites: VISA 213.*

VISA 321 Clay II 3 credits
This course is a continued study and application of problems in wheel-throwing and handbuilding clay techniques. An additional course fee is required. *Prerequisite: VISA 221.*

VISA 331 Sculpture II 3 credits
This course is an advanced study of problems in selected media and subject matter that includes opportunity for stone carving and bronze casting techniques. An additional course fee is required. *Prerequisite: VISA 231.*

VISA 341 Special Topics: Studio Art 3 credits
This course is a series of studio experiences intended to address an array of congruous techniques and processes in the visual arts relevant to contemporary issues and trends. Course topics include such subjects as digital imaging, mural painting, papermaking, watercolor, fibers, batik, and other media. An additional course fee is required.

VISA 351 Special Topics: Art History 3 credits
This course is a series intended to address issues in the visual arts relevant to contemporary trends or historical significance. Course topics include such subjects as Renaissance, contemporary, American art, and other specialized areas.

VISA 401 Drawing III 3 credits
This course is a capstone experience designed to offer students the opportunity to focus on a specific drawing problem and demonstrate a high level of ability and initiative. An additional course fee is required. *Prerequisite: VISA 301.*

VISA 411 Painting III 3 credits
This course is a capstone experience designed to offer students the opportunity to focus on specific painting problems and demonstrate a high level of ability and initiative. An additional course fee is required. *Prerequisite: VISA 311.*

VISA 413 Printmaking III 3 credits
This is a capstone experience designed to offer students the opportunity to focus on specific printmaking problems and demonstrate a high level of initiative and ability. An additional course fee is required.

VISA 421 Clay III 3 credits
This course is a capstone experience designed to offer students the opportunity to focus on specific ceramic problems and demonstrate a high level of ability and initiative. An additional course fee is required. *Prerequisite: VISA 321.*

VISA 431 Sculpture III 3 credits
This course is a capstone experience designed to offer students the opportunity to focus on specific sculptural problems and demonstrate a high level of ability and initiative. An additional course fee is required. *Prerequisite: VISA 331.*

VISA 477 Senior Seminar I 1 credit
In this course academic and professional opportunities in the Visual Arts are explored. A concentrated effort is on portfolio and graduate school preparation. Guidance on the senior project is also provided.

VISA 478 Senior Seminar II 1 credit
This course is a review of material covered throughout the visual art curriculum with particular concern for the student's area

of concentration. Preparation for Senior Comprehensive Examination is a major component of the course.

VISA 480 Middle and Secondary School Art Methods 3 credits
This course is a study of theories and goals of art education in the middle and secondary school with emphasis on growth and development through art. Application and integration of various art techniques and media are explored. *Prerequisites: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to the teacher education program.*

VISA 487-488 Independent Study 2-4 credits

VISA 490 Senior Project (Art Exhibit) 2 credits

VISA 495 Comprehensive Exams
This course is an administrative placeholder used to record a student's score on Comprehensive Exams (CR/NCR).

Fine Arts

FINA 104 Out of the Blues and Into Rock 3 credits
This course focuses on the development of the African American genre of music known as blues and its impact on popular music as it developed in North America and Britain during the 1960s, 1970s and beyond. The student is expected to acquire a comfortable familiarity with the course content. Activities include lectures, readings, watching DVDs, listening to CDs, live in-class performances, and writing. (This course may be taken for credit as MUSI 104.)

FINA 105 College Choir 1 credit
The Bethany College Choir performs music in a broad range of styles. Concerts are on campus and off campus on weekdays and weekends and sometimes during tours. Members attend two weekly rehearsals and performances and extra rehearsals as scheduled. Members are assessed the cost of purchasing appropriate formal concert attire. This course may be repeated for a maximum of eight credits. (This course may be taken for credit as MUSI 105.)

FINA 106 College Wind Ensemble 1 credit
The College Wind Ensemble performs music in a broad range of styles. Members attend weekly rehearsals plus performances and extra rehearsals as scheduled. Concerts are on and off campus. Active student leadership is strongly encouraged. This course may be repeated for a maximum of eight credits. (This course may be taken for credit as MUSI 106.) *Prerequisite: an audition is required.*

FINA 107 Rock Ensemble 1 credit
The Rock Ensemble composes, records, performs, and promotes original music in popular idioms. Members attend frequent rehearsals and recording sessions. The group presents live performances on and off campus and produces audio recordings (CDs) for distribution. In addition to composers and musicians, students interested in the technical and promotional aspects of the project are also encouraged to enroll. Active student leadership is strongly encouraged. (This course may be taken for credit as MUSI 107.) *Prerequisite: An audition and/or interview is required.*

FINA 109 Guitar Ensemble 1 credit
This course prepares and performs music appropriate to the instrument. Members attend weekly rehearsals, plus performances and extra rehearsals as needed. Active student leadership is strongly encouraged. (This course may be taken for credit as MUSI 109.)

FINA 111 Applied Lessons, Individual 1 credit each
This series of courses provides individualized instruction in applied music technique and repertoire focusing on the student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. An additional fee is required for this course. (These courses may be taken for credit as MUSI 111) *Prerequisite: Permission of Instructor.*

SEC 01 Voice
SEC 02 Piano/Organ
SEC 03 Guitar/Bass/Folk Strings
SEC 04 Winds/Brass/Percussion
SEC 05 Orchestral Strings

FINA 125 Integrated Methods for the Elementary School: Art and Music 3 credits
This course is a study of the aims, values, and implementation of fine arts in the elementary school. Emphasis is on fostering creative growth and development in young learners through art and music. The course includes application and exploration of various techniques and media. Enrollment is limited with preference to those preparing to teach in elementary and middle school. An additional course fee is required. *Prerequisite: EDUC 242 or concurrent registration in EDUC 242.*

- FINA 133 Dance for Beginners 1 credit**
 Students will use this course as a kinesthetic art forms that satisfies the human need to respond to life experiences through movement of the physical being. The students will acquire the knowledge and skilled needed to know and use the elements of energy, force, space, and time. This class will cover the basic movements of jumping, running, chasing, walking, and hopping. The students will learn to recognize, use, and demonstrate a variety of arts elements and principles to move, create, and choreograph. There is a performance required at the end of the semester.
- FINA 134 Intermediate/Advance Jazz 1 credit**
 The class will cover jazz movements that will be created and performed in small groups, the outcome should produce a dance with coherence and aesthetic unity. This course exists to teach students how to demonstrate a consistency and reliability in performing dance skills maintaining clarity, and stylistic nuance by assessing and fine tuning jazz technique and performance.
- FINA 135 Ballet 1 credit**
 Student will use this course as a consistence and reliable way to perform and maintain clarity and stylistic nuance by assessing and fine tuning ballet technique and through performances. The student will acquire the knowledge and skills needed to know and use the elements of energy/force, space, and time. The students will learn ballet techniques with use of a proper barre, center, allegro, and adagio work. **FINA 136 Ballet (Barre Only) 1 credit**
 This ballet class is designed for dancers to work at a ballet barre. Proper body placement and alignment will be taught as well as terminology. The dancers will work in all 5 positions as well as second, devant, and derriere.
- FINA 136 Ballet (Barre Only) 1 credit**
 This ballet class is designed for dancers to work at a ballet barre. Proper body placement and alignment will be taught as well as terminology. The dancers will work in all 5 positions as well as second, devant, and derriere.
- FINA 137 Choreography 1 credit**
 Students will research and analyze the style of a choreographer then create a dance in that style. The class will critique the dance performance to assess coherence and aesthetic unity. The students learn to analyze a dance style, create a piece of choreography, and teach the piece for performance. There is a performance required at the end of the semester.
- FINA 138 Tap 1 credit**
 Tap for beginner/intermediate dancers will use sound and movement to create choreography. This course will explore simple one sound steps through complex sound steps. Time-steps and turns will be covered. (Tap shoes are required for participation in the course.)
- FINA 230 Conducting I 3 credits**
 This course is a study of basic conducting technique and ensemble repertoire. Students work with and without a baton in exploring the art of communication by gesture. (This course may be taken for credit as MUSI 230.) *Prerequisite: Permission of the instructor.*
- FINA 487-488 Independent Study 2-4 credits**



Graduate Program

Bethany College also participates in Dual Degree Masters Programs with Carnegie Mellon University and Duquesne University, for additional information see the section on the Dual Degree Programs in this Catalogue.

Education

Faculty

Edward F. Shephard. *Associate Professor of Education; Director*
Sherri Theaker. *Professor of Education*

Program Goals

- To enable a career change for professionals in fields other than education.
- To provide professionals in education a path to enhance their certification and teaching credentials.
- To provide comprehensive curricular and field experiences.
- To provide an integrated, sequenced program with a collaborative cohort of peers.
- To emphasize interdisciplinary, problem-solving curriculum approaches to learning.
- To integrate current technology applications in all areas of teaching and learning.
- To provide/enable/ prepare candidates to utilize recognized best practices for 21st century educators founded on national and state standards
- To prepare future leaders for the field of education
- To prepare program candidates to become “reflective practitioners” in the field of education.

Master of Arts in Teaching (MAT)

The Master of Arts in Teaching Degree is a 39 credit program that provides education courses and teaching internships essential in preparing teacher candidates for teaching in a specific content area in grades PreK-Adult, 5-Adult, or 9-Adult. Candidates may obtain endorsements in the following areas of concentration: Art, Biology, Chemistry, Elementary Education, English, Language Arts, Mathematics, Middle School, Physical Education, Social Studies, or Spanish. This program is designed to be a four plus one year program. Candidates are required to submit a passing content praxis II score(s)* for their intended content discipline prior to admission to the program. Upon completion candidates will take the PRAXIS II-Principles of Learning and Teaching.

Admission Procedures

An applicant for admission to the Bethany College MAT graduate program must possess a baccalaureate degree from an American college or university accredited by one of the recognized regional accrediting associations, or the equivalent from an international college or university. The ordinary standard for regular admission to the MAT program is an undergraduate GPA of at least 2.75 (on a 4.0 scale). The candidate must have passing score on Praxis II Subject Test. Candidates falling below this level may submit other evidence of their ability to successfully complete a graduate program. Students falling below this level may submit other evidence of their ability to successfully complete a graduate program. Applicants may be admitted to the Bethany College MAT graduate program in one of the following categories:

Regular Admission: Applicants are admitted under this category when they have satisfied the admissions criteria detailed above.

Conditional Admission: Applicants are admitted under this category when they have a marginal undergraduate record. Applicants will be permitted to take a maximum of six graduate credits in this admission category. Upon completion of six graduate credits, a conditionally admitted student will either be admitted or denied admission into the program based on his/her performance.

Provisional Admission: Applicants who do not meet all of the criteria for Regular Admission, but show reasonable promise for success in the program, may be admitted provisionally. Students will be permitted to begin graduate studies while completing admissions deficiencies.

Requirements for Degree

EDUC 650, 653, 656, 659, 662, 665, 672, six credits from either 680-89 or 690-95, 696, 699 and 12 credits from EDUC 697 and 698.

Continuation in the MAT Program: a candidate must maintain a 3.00 GPA to continue in the program.

CORE COURSES	(21 HOURS)
EDUC 656 Educational Psychology	3
EDUC 662 Media and Technology	3
EDUC 665 Multicultural Perspectives in Education	3
EDUC 696 Theories, Practices, and Utilization of Educational Research	3
EDUC 655-Educational Statistics and Research Methods	3
EDUC 699 Master of Arts in Teaching Capstone Project	3
<i>Choose one of the following courses:</i>	
• EDUC 650 Teacher as Reflective Practitioner	3
• EDUC 653 Current Issues in K-12 Education	
PEDAGOGY	(12 HOURS)
EDUC 659 The Exceptional Child	3
EDUC 672 Reading Methods and Materials	3
EDUC 680-89 Methods and Materials in Secondary Education	3
• EDUC 681 Methods and Materials in Secondary Education: English	
• EDUC 682 Methods and Materials in Secondary Education: Mathematics	
• EDUC 683 Methods and Materials in Secondary Education: Physical Life Sciences	
• EDUC 684 Methods and Materials in Secondary Education: Social Studies	
• EDUC 685 Methods and Materials in Secondary Education: World Languages	
<i>or</i>	
• EDUC 690 Methods and Materials in Elementary Education	3
• EDUC 691 Methods and Materials in Elementary Education: Mathematics and Science	
• EDUC 692 Methods and Materials in Elementary Education: Language Arts and Social Studies	
CLINICAL STUDENT TEACHING	(6 HOURS)
EDUC 697 Teaching Internship I	3
EDUC 698 Teaching Internship II	3

Praxis Test Requirements for WV Certification

Candidates have completed the PRAXIS II Core Content Exam for Admission Requirements. Candidates upon completion of the program will take Praxis II: Principles of Learning & Teaching. K-6 (5622); Grades 5-9 (5623); Grades 7-12 (5624).

Prerequisite for Program: The MAT Program will work as a four plus one program for graduates of Bethany College and other accredited higher education institutions receiving degrees in Art, Biology, Chemistry, English, Mathematics, Physical Education, Social Studies, and Spanish aspiring to teach grades Pre-K, Adult; 5-9; and 5-Adult. The methods courses will be cross-listed enabling candidates to take courses online or in the traditional classroom setting. Online coursework will only be an option for those enrolled in the graduate program.

Master of Education Teaching and Learning (M.Ed.)

Master of Education in Teaching and Learning is a non-licensure program that will enable candidates develop critical thinking skills while honing their sensitivity toward demographic, economic, cultural and societal differences. The thirty-six hour graduate program is designed to enhance current position and and develop skills for future positions. The program will enable a career change for fields other than education that will enable the candidate to take on leadership roles in a school or organization.

The Master in Education Teaching and Learning degree will enable candidates develop critical thinking skills while honing their sensitivity toward demographic, economic, cultural and societal differences. Based in the liberal arts tradition, the program is designed to meet the educational needs of individual students by promoting breadth, depth, and the integration of knowledge. It will assists students in developing intellectual concepts, sophisticated learning skills, moral values, and good citizenship.

Admission Procedures

An applicant for admission to the Bethany College graduate program must possess a baccalaureate degree from an American college or university accredited by one of the recognized regional accrediting associations, or the equivalent from an international college or university. The ordinary standard for regular admission to the program is an undergraduate GPA of at least 2.75 (on a 4.0 scale). Students falling below this level may submit other evidence of their ability to successfully complete a graduate program. Applicants may be admitted to the Bethany College graduate program in one of the following categories:

Regular Admission: Applicants are admitted under this category when they have satisfied the admissions criteria detailed above.

Conditional Admission: Applicants are admitted under this category when they have a marginal undergraduate record. Applicants will be permitted to take a maximum of six graduate credits in this admission category. Upon completion of six graduate credits, a conditionally admitted student will either be admitted or denied admission into the program based on his/her performance.

Provisional Admission: Applicants who do not meet all of the criteria for Regular Admission, but show reasonable promise for success in the program, may be admitted provisionally. Students will be permitted to begin graduate studies while completing admissions deficiencies.

ADVANCED PRE-PROFESSIONAL EDUCATION CORE COURSES (15 HOURS)

EDUC 650 Teacher as Reflective Practitioner	3
EDUC 656 Educational Psychology	3
EDUC 659 The Exceptional Child	3
EDUC 696 Theories, Practices, and Utilization of Educational Research	3

Choose one of the following courses:

- EDUC 662 Media and Technology 3
- EDUC 665 Multicultural Perspectives in Education

GENERAL EDUCATION COGNATE (12 HOURS)

EDUC 651 The Science of Teaching and Learning	3
EDUC 652 Program Planning and Assessment	3
EDUC 654 Research and Data Driven Decision Making	3
EDUC 655 Educational Statistics and Research Methods	3

PROFESSIONAL EDUCATION COURSES (9 HOURS)

EDUC 699 Capstone Project	3
<i>Choose two of the following courses:</i>	6

- EDUC 657 Teaching the Adult Learner
- EDUC 658 Educational Leadership and Supervision of P-12 Facilities
- EDUC 660 Educational Leadership and Supervision of Education Facilities
- EDUC 653 Current Issues in K-12 Education

**The MAT and M.Ed. candidates will take the same common core courses. EDUC 650, 653, 655, 656, 659, 662, and 665. The Capstone project will be required for all graduated students.

Graduate Courses

EDUC 646 Foundations of Literacy and Language Systems

3 credits

This course focuses on the beginnings of the development of literacy in children including the fundamentals of reading and writing as processes and how children come to understand and use those processes in differing settings. Research-based instructional strategies for supporting the development of children's literacy are explored, including alphabet and print awareness, phonological awareness, phonics, fluency, vocabulary and comprehension. A 10-hour field placement is required. (This course may be taken for credit as EDUC 346) *Prerequisite: EDUC 242; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program.*

EDUC 650 Teacher as Reflective Practitioner

3 credits

This course focuses on areas of knowledge in the liberal arts that approach learning through a process of inquiry and questioning from a variety of disciplines. Areas were chosen to give students a broad understanding of the liberal arts. A variety of instructional strategies and methods will be used to promote active inquiry into learning during class time.

EDUC 651 The Science of Teaching and Learning

3 credits

This course will delve into the role that the teachers and students play in the classroom. It intends to provide the learner with opportunities to explore, analyze compare and contrast different models of teaching and learning. It also provides learners opportunities discover what educational purposes the range of teaching and learning approaches can serve and how it can help create a multidimensional and differentiated learning environment for students. The course assumes, identifies, and uses a body of scholarly knowledge and research appropriate for study and application to the profession of college/university teaching. Topics examined include learning and diversity, teaching models and strategies, teacher and student behaviors and learning outcomes, and instructional improvement strategies.

EDUC 652 Program Planning and Assessment

3 credits

This course will provide the learner with opportunities to research a variety of education institutions at all levels to gain an understanding of program planning and assessment. The learner will discover the variety of Stakeholders at all levels within and outside the organization, including students, administrators, employers, legislators, and the public, expect institutions to demonstrate that their programs accomplish desired goals and that processes are in place to support data-driven improvement. The learner will engage in program planning and assessment which will lead to strategic strategies for improvement within a determined program. Learners will gain a better understanding for how assessment data may be used for accountability and for institutional improvement.

EDUC 653 Current Issues in K-12 Education

3 credits

This course focuses on a critical examination of current issues influencing early and middle childhood education. Topics include both historical and contemporary views of childhood education, as well as social, educational and economic policies that shape the practices within schools. Students are assessed by their contribution to the class discussions throughout the semester. A variety of instructional strategies are used to promote active inquiry into learning during class time.

EDUC 654 Research and Data Driven Decision Making

3 credits

This course is designed to inform the learner of using research and data to make decisions in their institution. The learner will explore strategies for putting into practice data-informed, decision-making processes. The learner will research how and why data driven decision making has been credited with improving teacher quality, improving curriculum, promoting parental involvement, & narrowing the achievement gaps amongst various student populations. Projects will include collecting appropriate data, analyzing the data appropriately, determining the right people and/or venues to receive the data, and using the data make key improvements in educational programs.

EDUC 655 Educational Statistics and Research Methods

3 credits

This course is an introduction to basic statistical techniques used in educational research. This course covers descriptive statistics, and inferential statistics through one-way ANOVA. Attention is given to ethical issues involved in statistical interpretation of data. This course will also provide an examination of various types of research design and important issues in design and statistical analysis. Learners will propose research projects as an application of principles covered in the course.

EDUC 656 Educational Psychology

3 credits

This course focuses on current special education topics and professional development issues that impact the educator, interactions with students, parents and other professions (including the development of communication and consultation skills). A variety of instructional strategies and methods will be used to promote active inquiry into learning during class time.

EDUC 657 Teaching the Adult Learner

3 credits

This course will investigate the characteristics of the adult learner. Adult learners have traits that set them apart from 'traditional' school or college learners. All adults come to courses with a variety and range of experiences, both in terms of their working life and educational backgrounds. This impacts on how and why they participate in learning. Multiples stages of an adult learner's life will be investigated which will include their perspectives on learning, motivation, and diverse backgrounds.

EDUC 658 Educational Leadership and Supervision of P-12 Facilities

3 credits

This course will cover areas concerning the work of curriculum directors, general supervisors, special supervisors, and department heads; study of supervisory methods current plans for staff utilization and use of instructional materials; and stress on evaluation of educational programs and the effects of supervision.

- EDUC 659 The Exceptional Child 3 credits**
 This course provides a survey of current knowledge on individuals with disabilities within the context of human growth and development across the life span. Content includes historical factors, legislation, etiology, characteristics, needs, educational strategies, including existing and emerging technologies, assessment and support services of/for individuals with disabilities ranging from mild, moderate to severe levels of varying disabilities. The course will study the impact of disabilities on academic and social/emotional performances. A 10 hour field experience is required.
- EDUC 660 Educational Leadership and Supervision of Higher Education Facilities 3 credits**
 This course will provide an overview of administrative theory, tools, and technology; educational leadership; legal issues; organizational and community relationships; political structures; and program development, evaluation, and accountability. Duties of the trustees and administrators in relation to the daily operations of a higher education facility will be explored.
- EDUC 662 Media and Technology 3 credits**
 The course focuses on the fundamentals of planning, design and production of instructional multimedia tools. Laboratory activities cover interrelationships of communication theory; selection, utilization and production of materials, the use of media and the operation of equipment. There are opportunities for students to practice and use educational media and equipment in a cooperative, multicultural, learning environment and in various micro-teaching situations.
- EDUC 665 Multicultural Perspectives in Education 3 credits**
 This course focuses on multicultural perspectives in education. This course is designed to prepare individuals associated with education to meet the needs of culturally, linguistically, ethnically, or economically diverse (CLEED) classrooms. It is required of all MAT program participants. The course content includes: 1.) African-American cultures, 2.) Asian cultures, 3.) Hispanic cultures, 4.) Native American cultures, 5.) European cultures, 6.) teaching strategies for ethnic studies, 7.) multicultural education as an academic discipline, and 8.) religious differences in culture. A variety of instructional strategies and methods will be used to promote active inquiry into learning during class time.
- EDUC 672 Reading Methods and Materials 3 credits**
 This course reviews key concepts in reading instruction today. The class includes interactive class time, electronic learning, certificate-specific meetings and activities, and independent study. Candidates will explore methods of differentiating instruction in the reading classroom. A special focus will be given to the end purpose of the reading process-comprehension. Instruction will be provided through relevant discussion of the experiences of professional educators related to the specific area of education. A 10 hour field experience is required.
- EDUC 680-89 Methods and Materials in Secondary Education 3 credits**
 This is a series of courses which address issues related to methods and materials for various areas of secondary education. The classes include interactive class time, electronic learning, certificate-specific meetings and activities, and independent study. Instruction will be provided through relevant discussion of the experiences of professional educators related to the specific area of education.
- EDUC 681 Methods and Materials in Secondary Education: English**
EDUC 682 Methods and Materials in Secondary Education: Mathematics
EDUC 683 Methods and Materials in Secondary Education: Physical Life Sciences
EDUC 684 Methods and Materials in Secondary Education: Social Studies
EDUC 685 Methods and Materials in Secondary Education: World Languages
- EDUC 690-95 Methods and Materials in Elementary Education 3 credits**
 This is a series of courses which address issues related to methods and materials for various areas of elementary education. The classes include interactive class time, electronic learning, certificate-specific meetings and activities, and independent study. Instruction will be provided through relevant discussion of the experiences of professional educators related to the specific area of education.
- EDUC 691 Methods and Materials in Elementary Education: Mathematics and Science**
EDUC 692 Methods and Materials in Elementary Education: Language Arts and Social Studies
- EDUC 696 Theories, Practices, and Utilization of Educational Research 3 credits**
 Students are introduced to two research approaches that are used in special education research: quantitative methods and qualitative methods. Students conduct an extensive review of literature in an area of interest and make a formal oral presentation about their literature review.
- EDUC 697 Teaching Internship I 3 credits**
 This course is designed as a capstone experience for elementary, middle grades or K-12 teaching internships and providesthe M.A.T. program candidate educators with experiences to connect theory and practice in the context of a K-12 classroom. Responsibilities include: long-term planning, implementation of an integrated curriculum, the facilitation of small-and largegroup learning, the development of assessment systems that support the WV graduation standards for K-12 students, and professional interactions with peers and cooperating professions, as well as support and administrative personnel. This course is a directed and supervised first placement of two seven-week placements as a semester-long teaching internship experience in schools with assignments at appropriate grade levels and content areas. Candidates must make application for teaching internship prior to advance registration. Other courses and activities which might interfere with the teaching internship are not permitted. Success in this experience is required for continuation in and completion of the M.A.T. education program; failure results in removal from the M.A.T. education program. (CR/NCR only.) Prerequisite: Admission to the M.A.T. professional block.

EDUC 698 Teaching Internship II 3 credits

This course is designed as a capstone experience for elementary, middle grades or K-12 teaching internships and provides the M.A.T. program candidate educators with experiences to connect theory and practice in the context of a K-12 classroom. Responsibilities include: long-term planning, implementation of an integrated curriculum, the facilitation of small-and largegroup learning, the development of assessment systems that support the WV graduation standards for K-12 students, and professional interactions with peers and cooperating professions, as well as support and administrative personnel. This course is a directed and supervised second placement of two seven-week placements as a semester-long teaching internship experience in schools with assignments at appropriate grade levels and content areas. Candidates must make application for teaching internship prior to advance registration. Other courses and activities which might interfere with the teaching internship are not permitted. Success in this experience is required for continuation in and completion of the M.A.T. education program; failure results in removal from the M.A.T. education program. (CR/NCR only.) Prerequisite: Admission to the M.A.T. professional block.

EDUC 699 Master of Arts in Teaching Capstone Project 3 credits

This course is the capstone experience for the Master of Arts in Teaching in Education. All MAT candidates are required to complete an Action Research Paper. The purpose of preparing a master's research paper is to give candidates experience in carrying out the kind of research that is expected throughout their professional career. Through this process, the faculty expects each candidate to demonstrate his/her ability to work independently on a problem and to document his/her familiarity with the literature in the field of study, a command of the techniques and principles of research, and the ability to form valid generalizations from the research data. Candidates work independently under the supervision of their project advisor.

RDNG 622 Reading Clinic 4 credits

This is a laboratory course which focuses on methods that can be used by classroom teachers, reading specialists, and other special teachers of reading and language arts. The major emphasis of this course is an extensive and supervised tutoring internship with children who have reading difficulties. A 30-hour field placement is required. (This course may be taken for credit as RDNG 422.) *Prerequisites: EDUC 346 or EDUC 646; RDNG 347 or RDNG 647; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program or enrolled as a non-degree seeking student.*

RDNG 647 Reading Assessment and Instruction 3 credits

During this course, students conduct a comprehensive examination of research-based reading assessment tools. Students use both informal and formal reading assessments to plan and implement data-based instruction and plan for reading interventions. Scientifically-based reading intervention and effective reading program components will be modeled and practiced. A 10-hour field placement is required. (This course may be taken for credit as RDNG 347.) *Prerequisite: EDUC 346 or EDUC 646; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program or enrolled as a non-degree seeking student.*

RDNG 676 Content Area Literacy 3 credits

This course explores the use of research based literacy activities in all areas of study. Because of the diverse nature of this class, students create their own portfolio of literacy resources and activities relevant to their particular subject area and grade level. A 10-hour field placement is required. (This course may be taken for credit as RDNG 376.) *Prerequisites: A passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program or enrolled as a non-degree seeking student.*

SPED 512 Autism I: Characteristics and Instruction 3 credits

This course provides an intensive look at the characteristics, identification, and instructional service delivery systems available for students with autism, Asperger's Syndrome, and other developmental delays. Specific instructional program features and the various origins and interventions of autism are emphasized. (This course may be taken for credit as SPED 212.)

SPED 612 Autism II: Teaching Internship and Advanced Research 3 credits

This course provides an opportunity for students to work in the field with students with autism. Special emphasis is on the implementation of research-validated teaching strategies, community-based instruction, home planning, and data collection and analysis. Current and controversial research in the field of autism is also examined and debated. A 30-hour field placement is required. (This course may be taken for credit as SPED 312.) *Prerequisites: SPED 207 and SPED 212 or SPED 512; a passing score on PRAXIS I Core Academic Skills for Educators; admission to teacher education program or enrolled as a non-degree seeking student.*

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Department of Academic Affairs

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Heather A. Taylor, *Director of the McCann Learning Center and Coordinator of the Writing Center*
Cathy Gordon, *Executive Secretary to the Provost and Dean of Faculty*
Sherri Honaker, *Administrative Assistant for Social Work*
Regina Thayer, *Secretary, Education Department*

Mary Cutlip Center for Library and Information Technology

T.W. Phillips Memorial Library

Heather Ricciuti, *The Mary Cutlip Director of the Libraries & Learning Resources*
Sharon Monigold, *Librarian*

Division of Finance

Deidra Parr, *Interim Vice President and Chief Financial Officer*
Jennifer Reed, *Assistant Vice President for Finance & Budget*
TBA, *Director of Financial Aid*
Erika Rohrig, *Assistant Director of Financial Aid*
Lauren Goldinger, *Financial Aid Counselor*
Helen Brancazio, *Director of Human Resources*
Gregory S. Jones, *Staff Accountant*
Robin S. Meyers, *Receivables Accountant*
Caprechia Thompson, *Accounts Payable Processor*
Donna Hall, *Payment Processor*
Sharon Nuzum, *Payment Processor*

Division of Operations

John Lipinski, *Vice President of Operations*
Saralyn L. Dague, *Executive Director of Business Affairs*
Helen Brancazio, *Director of Human Resources*
John Shaffer, *Director of Dining Services*
Donna J. White, *General Manager, Mountainside Conference Center*
Kay Rowland, *Assistant Manager, Mountainside Conference Center*
Cheryl DeYoung, *Manager, Bookstore*
Dorothy Hanson, *Coordinator of Duplicating Center and Mailroom*

Mary Cutlip Center for Library and Information Technology Services

Thomas V. Furbee, *Director of Media Services and Classroom Technology*
Ed Stough, *Director of Network Operations*
Larry Gray, *Systems Support Technician*
Korin Hoskinson, *Database Administrator*

Department of Physical Plant

Jay A. Eisenhauer, *Director of the Physical Plant and Supervisor of Housekeeping*
Doug Hudson, *Assistant Supervisor of the College Physical Plant*
Robert E. Brown, *Supervisor of Gardens and Landscaping*
Ruletta K. Minor, *Secretary, Physical Plant*

Institutional Advancement

Sven M. de Jong, *Senior Vice President*
Robert Oltmanns, *Director of Communications & Integrated Marketing*
Hannah McNerney, *Director of Alumni Relations*
Gregory Caprara, *Director of Development for Special Projects*
Shirley C. Kemp, *Director of Advancement Services*
W. Darwin Collins, *Director of Planned Giving*
Laura Rauch, *Major Gifts Officer*
Megan E. Salatino, *Communications Assistant*
Mary V. Walden, *Executive Assistant to the Senior Vice President*

Center for Enrollment

Mollie Cecere, *Vice President for Enrollment Management*
Becky Pauls, *Director of Enrollment*
Natalie Shaw, *Assistant Director of Enrollment Management*
Cody Latimer, *Enrollment Counselor*
Chris Stephens, *Enrollment Counselor*
Kate Throckmorton, *Enrollment Counselor*
Kristian Zimmerman, *Regional Enrollment Counselor*
Justin T. Miller, *Database Manager*
Julie Bower, *Office Assistant, Center for Enrollment*

Department of Student Life

Gerald E. Stebbins, *Vice President and Dean of Students*
Andrew Lewis, *Assistant Dean of Students*
Samuel Goodge, *Director of Student Activities*
Alyssa R. Pietropaolo, *Director of Student Engagement and Responsibility and Title IX Coordinator*
Charles Neighoff, *Director of Safety and Security*
Carol B. Tyler, *Director of Student Health Services*
Robert C. Marks, *College Physician*
Basil P. Papadimitriou, *College Physician*
Renee Stock, *Director of Counseling*
Michaelynn M. Ulrich, *Executive Assistant to Student Life*

Department of Intercollegiate Athletics and Recreation

Brian K. Rose, *Director of Athletics and Recreation*
Janice L. Forsty, *Associate Director of Athletics and Recreation and Head Softball Coach*
Aaron Anslow, *Faculty Athletics Representative*
Jon Arlet, *Head Women's Soccer Coach*
A. Elizabeth Blake, *Head Women's Lacrosse Coach*
Richard F. Carver, *Head Baseball Coach*
William J. Garvey, *Head Football Coach and Facilities Coordinator*
Michael Guinn, *Head Cross Country Coach and Assistant Track & Field Coach*
Nick Hager, *Head Men's Basketball Coach and Head Women's & Men's Golf Coach*
Ryan Hilyer, *Head Men's Lacrosse Coach*
Abigail Hoard, *Head Athletic Trainer*
W. Bradley Jones, *Head Women's and Men's Tennis Coach*
Courtney J. Kline, *Head Volleyball Coach*
Kimberly Lafferre, *Assistant Athletic Trainer*
Sean Regan, *Head Men's Soccer Coach*
Brian Sansom, *Head Women's Basketball Coach and Fall Game Management*
Deborah L. Soly, *Secretary, Department of Intercollegiate Athletics and Recreation*
S. Andrew Upton, *Associate Head Football Coach and Head Track & Field Coach*
Michael Viscardi, *Head Men's and Women's Swimming & Diving Coach*
Andrew Woodley, *Sports Information Director*
David Arnold, *Assistant Football Coach*
Tyler Williams, *Assistant Football Coach*
Megan E. Salatino, *Cheerleading Coach*

Faculty and Instructional Staff 2017-2018

JOSEPH H. LANE, Jr. *Provost and Dean of Faculty, and Professor of Political Science.* (2017).
B.A., Hampton-Sydney College; Ph.D., Boston College.

Professors

JOHN H. HULL, *Professor of Psychology.* (1976).

B.S., Alma College; M.A., Ph.D., Kent State University.

JOHN J. MCGOWAN, *Professor of Physical Education and Sports Studies.* (1980).

B.S., Manhattan College; M.S., Springfield College.

GARY H. KAPPEL, *Perry E. and Aleece C. Gresham Chair in Humanities, and Professor of History.* (1983).

B.A., Bethany College; M.A., Ph.D., West Virginia University.

KATHERINE SHELEK-FURBEE, *Associate Provost, Professor of Social Work, Program Director, and Chair of the Department of Social Work.* (1984).

B.A., Alderson-Broadus College; M.S.W., West Virginia University.

JOHN T. BURNS, *Professor of Biology.* (1985).

B.A., Wabash College; M.S., Ph.D., Louisiana State University.

FUJIKO O. NITO, *Professor of Computer Science.* (1985).

B.S., Chubu Institute of Technology (Japan); M.S., (Mathematics: Electrical and Computer Engineering), M.S., (Mathematics: Computer Science), Ohio University.

JANICE L. FORSTY, *Professor of Physical Education and Chair of the Department of Physical Education and Sports Studies, Associate Director of Intercollegiate Athletics and Recreation and Head Softball Coach.* (1987).

B.S., Slippery Rock State College; M.S., Slippery Rock University.

KENNETH L. MORGAN, *Jennie Steindorf Renner Chair of Fine Arts and Professor of Fine Arts, Director of Renner Gallery, and Curator of Permanent Art Collections.* (1989).

B.A., Bethany College; M.A., West Virginia University; Art Institute of Pittsburgh; North Carolina State University.

PATRICK J. SUTHERLAND, *Professor of Communications and General Manager of WVBC-Radio.* (1989).

B.A., Marquette University; M.A., University of Florida; Ph.D., Ohio University.

HARALD J. A. MENZ, *Professor of World Languages and Cultures, Director of International Studies, Co-Director of Interdisciplinary Studies and Co-Chair for the Department of Humanities.* (1994).

B.A., Padagogische Hochschule, Heidelberg, West Germany; M.A., Ph.D., West Virginia University.

JOSEPH B. LOVANO, *Professor of World Languages and Cultures.* (1997).

B.A., M.A., Ph.D., University of California, Los Angeles.

HEATHER L. RICCIUTI, *Professor of Learning Resources and The Mary Cutlip Director of Libraries and Learning Resources.* (1997).

B.A., Edinboro University of Pennsylvania; M.L.I.S., University of Pittsburgh.

ELIZABETH M. HULL, *Dr. Robert L. Martin Chair in English Literature and Professor of English.* (1999).

B.A., Kirkland College; Ph.D., University of Virginia.

WILFRID W. CSAPLAR, JR., *Professor of Economics.* (2002).

B.A., Swarthmore College; Ph.D., Duke University.

WILLIAM T. HICKS, *Professor of Biology and Chair of the Department of Biology.* (2003).

B.S., Bloomsburg University; M.S., Miami University, Ohio; Ph.D., Oregon State University.

ANJU RAMJEE, *John F. and Evelyn Casey Steen Professor in Finance and Professor of Business and Chair of the Department of Business.* (2004).

B.Com., Goenka College of Commerce & Business Administration (affiliated with the University of Calcutta), India; M.B.A., Ph.D., University of Cincinnati.

SHERRI THEAKER, *Professor of Education, Chair of the Education Department, and CAEP Coordinator.* (2011)

B.S., The Ohio State University; M.S., Youngstown State University; Ph.D., Ohio University.

Associate Professors

- LUKE L. HARDT, *Associate Professor of Theatre and Director of the Bethany College Theatre*. (2002).
B.A., Bethany College; M.F.A., Temple University.
- MARK A. AFFELTRANGER, *Associate Professor of Psychology and Chair of the Department of Psychology*. (2003).
B.S., M.S., Ph.D., University of Pittsburgh.
- MELANEE W. SINCLAIR, *Associate Professor of Social Work and Coordinator of Social Work Field Placements*. (2004).
B.A., West Virginia Wesleyan College; M.S.W., West Virginia University.
- BROOKE LEMMONS DEAL, *Thomas W. Phillips Chair of Religious Studies, Associate Professor of Religious Studies, Co-Director of Interdisciplinary Studies and Co-Chair of the Department of Humanities*. (2005).
B.A., Southwest Missouri State University; M.Th., Brite Divinity School; Ph.D., Brite Divinity School.
- ROBERT S. SPANGLER, JR., *Associate Professor of Physics*. (2005).
B.S., Rochester Institute of Technology; M.S., Ph.D., West Virginia University.
- ADAM C. FLETCHER, *Associate Professor of Mathematics*. (2006).
B.S., Bethany College; M.S., John Carroll University.
- VIRGIL G. THOMPSON, *Associate Professor of Accounting*. (2006).
B.S., West Liberty State College; J.D., West Virginia University College of Law; C.P.A.
- STEVEN A. CARELLI, *Associate Professor of History and Chair of the Department of History and Political Science*. (2007).
B.A., West Virginia Institute of Technology; M.A., Ph.D., Southern Illinois University, Carbondale.
- AMANDA B. STEWART, *Associate Professor of Biology*. (2007).
B.S., University of Tennessee, Knoxville; M.S., Ph.D., West Virginia University.
- LISA M. REILLY, *The Goulding-Woolery Professorship in Chemistry, Associate Professor of Chemistry and Chair of the Department of Physical and Computational Sciences*. (2008).
B.S., Mercyhurst University; Ph.D., Oklahoma State University.
- MARY ELIZABETH YANCOSEK GAMBLE, *Associate Professor of Communications and Media Arts and Chair of the Department of Communications and Media Arts*. (2009).
B.A., California University of Pennsylvania; M.A., Marshall University.
- AARON S. ANSLOW, *Associate Professor of Fine Arts*. (2011).
B.A., Bethany College; M.F.A., West Virginia University.
- JESSIE L. JANESHEK, *Associate Professor in English, Director of Writing Across the Curriculum*. (2011).
B.A. Bethany College; M.F.A. Emerson College; Ph.D, University of Tennessee, Knoxville.
- EDWARD F. SHEPHARD, *Associate Professor of Education and Director of the Master of Arts in Teaching Program*. (2011).
B.A., California University of Pennsylvania; M.A., D.Ed., Indiana University of Pennsylvania.

Assistant Professors

- RICHARD F. CARVER, *Assistant Professor of Physical Education and Head Baseball Coach*. (1990).
B.A., Maryville College; M.S., United States Sports Academy.
- PANDEL L. COLLAROS, *Assistant Professor of Music and Chair of the Department of Visual and Performing Arts*. (1999).
B.A., M.A., The Ohio State University.
- S. ANDREW UPTON, *Assistant Professor of Physical Education, Associate Head Football Coach, and Head Track and Field Coach*. (2004).
B.S., West Virginia Institute of Technology; M.B.A., West Virginia Wesleyan College.
- HEATHER A. TAYLOR, *Assistant Professor of English, Director of the McCann Learning Center and Director of First-Year Studies*. (2007).
B.A., Bethany College; M.A., MFA, Wilkes University.
- COURTNEY J. KLINE, *Assistant Professor of Physical Education and Head Women's Volleyball Coach*. (2008).
B.A., Cedarville University; M.S., California University of Pennsylvania.
- SHARON MONIGOLD, *Reference, Instruction & Archives Librarian*. (2010).
B.A., Youngstown State University; M.L.I.S., Kent State University School of Library & Information Science.

- MATTHEW PAYMENT, *Assistant Professor in Physical Education*. (2011).
B.S., M.S., University of Dayton.
- SCOTT M. BROTHERS, *Assistant Professor of Chemistry*. (2012).
B.S., Wheeling Jesuit University; Ph.D., Texas A&M University.
- HOLLY HILLGARDNER, *Assistant Professor of Religious Studies*. (2012).
B.A., University of Texas at Arlington; M.T.S., Texas Christian University, Brite Divinity School; Ph.D., Drew University.
- CAROLYN A. KITCHENS, *Assistant Professor of Chemistry*. (2012).
B.S., Appalachian State University; Ph.D., University of Pittsburgh.
- JASON K. SMITH, *Assistant Professor of Communications and Media Arts*. (2012).
B.A., University of Rhode Island; M.A., University of Hartford; Ph.D., Florida State University.
- JOSEPH W. WALSH, *Matthew Quay Ammon Professor of Mathematics and Assistant Professor of Mathematics*. (2012).
B.S., Rutgers University; Ph.D., Stony Brook University.
- TRAVIS STRAUB, *Assistant Professor of English*. (2013).
B.A., West Virginia University; MFA, University of Pittsburgh.
- AARON M. HONSOWETZ, *Assistant Professor of Economics*. (2015).
B.A., B.S, Michigan State University; M.A., Ph.D., George Mason University.
- WILLIAM J. TON, *Assistant Professor of Music*. (2015).
B.A., Berea College; M.M., University of Nevada, Reno.
- DUSTIN HIXENBAUGH, *Assistant Professor of English*. (2016).
B.A., Southern Illinois University at Carbondale; M.A. University of Texas, Austin.
- DIANE S. SYNDER, *Visiting Assistant Professor of Psychology*. (2016)
B.A., San Diego State University; M.A., National University; Psy.D., Carlow University.
- KATHLEEN CHINI, *Visiting Assistant Professor of Education*. (2017)
B.S., Ohio University Eastern; M.S., University of Dayton.
- WILLIAM A. FLETCHER, *Visiting Assistant Professor of Business*. (2017)
B.S.B.A., WVU; M.B.A., East Tennessee State University.
- FLYNN POLLARD, *Visiting Assistant Professor of Political Science*. (2017)
B.A., Bethany College; M.P.A./M.A., Middlebury Institute of International Studies at Monterey.
- ANTHONY G. POLSINELLI, *Visiting Assistant Professor of Biology*. (2017)
B.S., Virginia Tech; Ph.D., The Ohio State University.

Professors of Practice

- JOHN E. OSBORNE, *Associate Professor of Practice, Director of Career & Professional Development*. (2007).
B.A., Bethany College; M.S., Massachusetts Institute of Technology.

Distinguished Lecturers

- WILLIAM J. CURRAN, III, *Lecturer in Political Science*. (2002).
B.S. and J.D., The Creighton University.
- AARON L. CAREY, *Lecturer in Music*. (2005).
B.A., West Virginia University.
- LORI L. BOHENKO, *Lecturer in Equine Studies*. (2006).
B.S., University of New Hampshire; D.V.M., Ohio State University.
- SCOTT C. THAYER, *Lecturer in Religious Studies and Acting Director of International Studies*. (2009).
B.A., Central Michigan University; M.Div., Yale Divinity School.
- JON C. GREINER, *Lecturer in Communication & Media Arts*. (2017).
B.A., University of Kentucky.
- KEVIN CLANCY, *Lecturer in Visual Arts*. (2017)
B.S., Bethany College; M.F.A., Savannah College of Art & Design

GERALD SCHULTZE, *Lecturer in Mathematics*. (2017)
B.S., West Virginia University.

SCOTT THAYER, *Lecturer in Religious Studies*. (2017)
B.A., Central Michigan University; M.Div, Yale Divinity School.

Emeriti

J. DANIEL DRAPER, *Professor of Chemistry Emeritus*. (1951-1984).
B.S., Franklin and Marshall College; Ph.D., University of Maryland; Michigan State University; Louisiana State University; University of East Anglia; Sc.D., Bethany College.

JOSEPH M. KUREY, *Vice President and Treasurer Emeritus*. (1962-2007).
B.S., Bethany College; M.S., University of Dayton.

JOHN W. LOZIER, *Professor of History Emeritus*. (1964-2007).
B.A., University of Colorado; M.A., Ph.D., Ohio State University; Massachusetts Institute of Technology.

JOHN D. DAVIS, *Professor of Economics and Business Emeritus*. (1965-2002).
B.A., American International College; M.A., University of Connecticut; West Virginia University; University of Chicago.

W. RANDOLPH COOEY, *John F. and Evelyn Casey Steen Professor in Economics Emeritus*. (1966-2011).
B.A., Bethany College; M.A., West Virginia University; Mississippi State University.

JOHN S. CUNNINGHAM, *Vice President Emeritus*. (1967-2007).
B.A., Slippery Rock State College; M.Ed., Kent State University; Ed.D., West Virginia University.

ANTHONY L. MITCH, *Professor of English Emeritus*. (1967-2005).
B.A., Cornell University; M.A., St. John's University; New York University.

ROBYN R. COLE, *Professor of English Emeritus*. (1968-2008).
B.A., University of Maryland; M.A., University of Georgia; Ed.D., West Virginia University; Ohio University.

ALBERT R. BUCKELEW, JR., *Professor of Biology Emeritus*. (1969-2011).
B.S. Fairleigh Dickinson University; Ph.D., University of New Hampshire.

LARRY E. GRIMES, *Professor of English in the Perry and Aleece Gresham Chair in Humanities Emeritus*. (1970-2009).
B.A., Bethany College; B.D., Yale University; Ph.D., Emory University.

PAULINE R. NELSON, *Professor of Foreign Languages Emeritus*. (1971-2006).
B.A., Upsala College; M.S., Ph.D., University of Pittsburgh; University of Paris.

MILTON R. SMITH, JR., *Goulding-Woolery Professor in Chemistry Emeritus*. (1972-2008).
B.S., Sul Ross State University; Ph.D., Texas A&M University; Iowa State University; Ohio State University; Carnegie Mellon University.

MARY ELLEN KOMOROWSKI, *Matthew Quay Ammon Professor of Mathematics*. (1982-2011).
B.A., M.S., Ed.D., West Virginia University; The American University of Beirut

ALBERT J. OSSMAN, JR., *Professor of Political Science Emeritus*. (1982-1992).
B.A., M.A., Ph.D., Syracuse University.

ROBERT A. PAYSEN, *Goulding-Woolery Professor in Chemistry Emeritus*. (1983-2012).
B.A., College of St. Thomas; Ph.D., University of Tennessee.

DONALD L. EILENSTINE, *John F. and Evelyn Casey Steen Professor in Economics Emeritus*. (1987-2002).
B.A., Ottawa University; M.A., Ph.D., University of Kansas.

D. DUANE CUMMINS, *President Emeritus of the College and Professor of American History*. (1988-2002).
B.A., Phillips University; M.A., University of Denver; Ph.D., University of Oklahoma; LL.D., William Woods College; H.H.D., Phillips University; Litt. D., Chapman University.

Advisors

For Majors

Accounting.....	Virgil G. Thompson
Biology.....	William T. Hicks
Chemistry.....	Lisa M. Reilly
Communications and Media Arts.....	M.E. Yancosek Gamble
Computer Science.....	Fujiko O. Nito
Computer Science and Accounting.....	Fujiko O. Nito and Virgil G. Thompson
Economics.....	Wilfrid W. Csaplar, Jr.
Economics and Mathematics.....	Wilfrid W. Csaplar, Jr. and Adam C. Fletcher
Education.....	Sherri Theaker
English.....	Jessie Janeshek
Environmental Science.....	William T. Hicks
Equine Studies.....	TBA
Finance.....	Anju Ramjee
History.....	Steven A. Carelli
Interdisciplinary Studies.....	Brooke Lemmons Deal and Harold J. A. Menz
International Economics with Study Abroad.....	Wilfrid W. Csaplar, Jr.
International Relations.....	Steven A. Carelli
Management.....	Anju Ramjee
Marketing.....	Anju Ramjee
Master of Arts in Teaching.....	Edward Shephard
Mathematics.....	Adam C. Fletcher
Music.....	Pandel L. Collaros
Physical Education and Sports Studies.....	Janice L. Forsty
Political Science.....	Steven A. Carelli
Psychology.....	Mark Affeltranger
Psychology and Education.....	Mark Affeltranger and Sherri Theaker
Psychology and Social Work.....	Mark Affeltranger and Katherine Shelek-Furbee
Religious Studies.....	Brooke Lemmons Deal
Social Studies.....	Steven A. Carelli
Social Work.....	Katherine Shelek-Furbee
Spanish.....	Joseph B. Lovano
Theatre.....	Luke L. Hardt
Visual Art.....	Kenneth L. Morgan

For Career Interests

Advertising.....	M.E. Yancosek Gamble
Dentistry.....	Carolyn A. Kitchens
Engineering.....	Robert S. Spangler, Jr.
Law.....	Steven A. Carelli
Medicine.....	Carolyn A. Kitchens
Ministry.....	TBA
Occupational Therapy.....	Mark Affeltranger
Physical Therapy.....	John H. Hull
Print.....	M.E. Yancosek Gamble
Public Relations.....	M.E. Yancosek Gamble
Radio.....	Patrick J. Sutherland
Television.....	M.E. Yancosek Gamble
Veterinary Medicine.....	William T. Hicks

For Special Services

Counseling.....	Renee Stock
Career Counseling.....	John E. Osborne
Fundamental Studies.....	Heather Taylor
International Students.....	Joseph B. Lovano
Graduate Fellowships, Scholarships.....	John E. Osborne
Social Security and Veterans' Benefits.....	Lisa Cucarese, Maureen Golick and Financial Aid
Social and Recreational Activities.....	Sam Goodge
PASS.....	Heather Taylor
Study Abroad.....	Scott Thayer
Transfer Students.....	Lisa Cucarese
Undergraduate Scholarships.....	Financial Aid



Map Legend:

- | | | | |
|---|---|--|--|
| 1. Harder Hall | 24. Alpha Sigma Phi | Heights | 52. Faculty Apartments |
| 2. Gresham Inn | 25. Delta Tau Delta | 41. The Aleece Gresham Garden and Fountain | 53. Sigma Nu |
| 3. Mountainside Conference Center | 26. Alpha Xi Delta | 42. Cramblet Hall | 54. Beta Theta Pi |
| 4. Highland Hearth | 27. Phi Mu | 43. Olgebay Gates | 55. Hurl Education Center |
| 5. Thomas Phillips Johnson Recreation Center | 28. Outdoor Classroom | 44. Benedum Commons/Bookstore/Boomer's | 56. Hibernia |
| 6. Bison Stadium | 29. Amphitheater | 45. Bethany House—Renner Art Gallery/Enrollment/Student Life | 57. The Old Meeting House |
| 7. Hoag Soccer Field | 30. T.W. Phillips Memorial Library | 46. Cochran Hall | 58. The John Cunningham Soccer Complex |
| 8. Bethany Softball Field | 31. Morlan Hall | 47. Campbell Hall | 59. Renner (Historic Bethany) Visitor's Center |
| 9. Hummel Field House | 32. Harlan Hall | 48. Bethany Memorial Church | 60. Campbell Mansion |
| 10. John J. Knight Naratorium | 33. Phillips Hall/Renner Too/Maxwell's | 49. Delta Tau Delta Founder's House | 61. God's Acre Cemetery |
| 11. Campbell Village 1 | 34. Commencement Hall | 50. Erickson Alumni Center | 62. Bethany Community Cemetery |
| 12. Campbell Village 2 | 35. Old Main | 51. Bethany Baseball Field | |
| 13. Campbell Village 3 | 36. Kirkpatrick Hall | | |
| 14. Campbell Village 4 - Jordan Hall | 37. Richardson Hall of Science | | |
| 15. Cummins Community Center | 38. Grace Phillips Johnson Visual Arts Center | | |
| 16. Woolery House | 39. Steinman Fine Arts Center | | |
| 17. Goodnight House | 40. Christman Manor at Pendleton | | |
| 18. Bethany Bridge | | | |
| 19. Robert C. Byrd Health and Wellness Center | | | |
| 20. Mary Ewing Tennis Center | | | |
| 21. Coal Bowl (Parking Lot) | | | |
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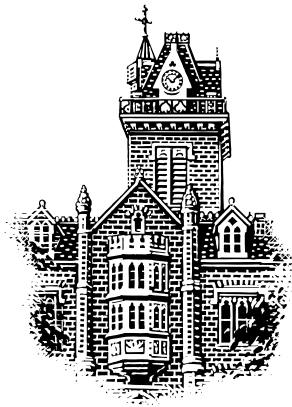
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