



Bethany

A Small College of National Distinction

A photograph of the Bethany College campus. In the foreground, there is a circular fountain with a central water jet, surrounded by a bed of yellow and white tulips. In the background, a large, multi-story brick building with Gothic architectural features, including a prominent tower with a clock face, is visible. The scene is set on a sunny day with a clear blue sky and lush green trees.

Course Catalogue 2009-2010

Bethany Catalogue

2009-2010



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Bethany on the World Wide Web: www.bethanywv.edu

Bethany College
Bethany, West Virginia 26032
304-829-7000
1-800-922-7611

College Calendar 2009-2010

The Bethany calendar includes two 15-week semesters and a three-week January Term. 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 2008

July
6 Monday Statements for Fall Semester Mailed

August
7 Friday Fall Balance Due
21-23 Friday-Sunday Orientation and evaluation for new students
21 Friday Matriculation Convocation
23 Sunday Final Registration
24 Monday First day of classes for all students

September

1 Tuesday Last day for adjustment of schedules without academic and financial penalty
1 Tuesday Last day to add a course
7 Labor Day No Classes/Employee Holiday
8 Tuesday Last day to determine credit/no credit
10 Thursday Fall Convocation

October

9 Friday Mid-term grades due
9 Friday Last day of classes for first-half semester courses
10 Saturday Homecoming (Thiel College)
19 Monday Mid-term Break

November

9-13 Monday-Friday Registration for second semester
20 Friday, 4:00 p.m. Thanksgiving vacation begins
25-27 Wednesday-Friday Employee holiday (starting at 1:00 PM on Wednesday)
30 Monday, 8:00 a.m. Thanksgiving vacation ends

December

4 Friday Statements for Spring Semester Mailed
8 Tuesday Last day of classes
9 Wednesday Reading Day
10-12 Thursday-Saturday Final examination period
14 Monday Final grades due
22 Tuesday Last day for non-freshmen to register for January Term
24-31 Thursday-Thursday Employee holiday (except as needed to conduct necessary College business)

JANUARY TERM 2010

January
1 Friday Employee holiday
4 Monday Staff returns to work
4 Monday Spring Balance Due
4-22 January Term
18-19 Monday-Tuesday Comprehensive Examinations (Written)
20-23 Wednesday-Saturday Comprehensive Examinations (Oral)

WINTER/SPRING SEMESTER 2010

January
24 Sunday Final Registration for all students
25 Monday First day of classes for all students
29 Friday Last day for adjustment of schedules without academic or financial penalty
29 Friday Last day to add a course

February
5 Friday Last day to determine credit/no credit

March

4 Thursday Founder's Day Convocation
12 Friday Mid-term grades due
12 Friday Last day of classes for first-half semester courses
12 Friday, 4:00 p.m. Spring vacation begins
22 Monday, 8:00 a.m. Spring vacation ends

April

5 Easter Monday No classes/Employee holiday
12-13 Monday-Tuesday Oreon E. Scott Lectures
12-16 Monday-Friday Registration for first semester (2010-2011)
15 Thursday Honors Day and Convocation
23 Friday Last day of classes for seniors taking Comprehensive Examinations
26 Monday Grades due for students taking Comprehensive Examinations

May

3-4 Monday-Tuesday Comprehensive Examinations (Written)
5-8 Wednesday-Saturday Comprehensive Examinations (Oral)
7 Friday Last day of classes
10-12 Monday-Wednesday Final examination period
14 Friday Baccalaureate
15 Saturday Commencement
20 Thursday Final grades due
31 Monday Memorial Day/Employee holiday

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 170th 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 30 fields of study, many with options for emphasis. Students also may include one or more minors as part of their program.

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 four-year 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.

The approximately 850 Bethany students represent 27 states, the District of Columbia, Puerto Rico, and a number of foreign countries.

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 is accredited by or holds membership 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
- Council of Independent Colleges
- Council on Social Work Education
- Division of Higher Education of the Christian Church (Disciples of Christ)
- East Central Colleges
- Eastern College Athletic Conference
- The Higher Learning Commission, North Central Association of Colleges and Schools, 30 North LaSalle St., Chicago, IL 60602; 1-800-621-7440
- Independent College Enterprise
- InterAmerican Consortium of Higher Education
- National Association of Independent Colleges and Universities
- National Collegiate Athletic Association, Division III
- National Council for Accreditation of Teacher Education
- Online Consortium of Independent Colleges and Universities
- Presidents' Athletic Conference
- West Virginia Independent Colleges & Universities

Admission

Application

Bethany accepts applications for admission from candidates who feel they would benefit from and contribute to a Bethany education. Prospective students may submit applications by either paper application or online application from the Bethany College website at www.bethanywv.edu/prospective-students/apply-online.

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 Monday through Friday from 8:30 a.m. to 4:30 p.m. and most Saturdays from 10 a.m. to noon throughout the academic year. Appointments may be made by calling 304-829-7611 or 800-922-7611, or by writing to the Center for Enrollment, Bethany College, Bethany, West Virginia 26032; e-mail: admission@bethanywv.edu. Three days advance notice is requested to make proper arrangements for visits.

First-Year Students

Application for admission requires the submission of the following: a completed application form; a transcript of secondary school work; and scores from either the College Entrance Examination Board Scholastic Aptitude Test (SAT) or the American College Testing Program (ACT). An on-campus interview is strongly recommended but not required.

Candidates for admission may share other materials with their enrollment counselors, such as examples of poems, plays, or short stories that they have written, samples of their art work or photography, journalistic pieces they have had printed, programs indicating their musical or dramatic endeavors, or clippings depicting activities for which they have received recognition. Rolling admission enables Bethany to evaluate and act on completed applications as soon as they are submitted. Therefore, each applicant is notified of Bethany's decision approximately two weeks after all credentials have been received.

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 in the institution attended and must present full credentials for both college and preparatory work.

Applications for the Fall Semester should be submitted before August 1 of the year in which entrance is desired. Decisions on these applications are announced by August 15. Application for transfer at mid-year should be received by December 20. Financial aid is available for transfer students.



Community College and Junior 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 and Financial Aid.

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.

Program for Academic and Social Success

The Program for Academic and Social Success (PASS) 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. Additional fees are assessed each semester for participation in PASS.

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.

International Students

Bethany encourages applications from residents of other countries. As many as 10 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. Students must also provide evidence of English language skills by submitting results of the Test of English as a Foreign Language (TOEFL). Bethany does provide merit-based scholarships for international students, but does not provide limited 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.

Tuition Deposit

A student accepted for admission or readmission is required to pay a \$150 tuition deposit. This deposit is refunded after graduation or when one of the following procedures is completed: 1) a student accepted for admission who has paid the registration deposit but decides not to attend Bethany submits a request in writing for the refund before May 1 prior to the intended matriculation; 2) a matriculated student who withdraws from Bethany gives written notice to the Business Office prior to the advance enrollment date for the next regular term.

Application for Readmission

Students who were previously enrolled at Bethany who have not been enrolled for two semesters or more may apply for readmission through the Center for Enrollment.



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 and from gifts and contributions. Bethany continues to keep costs as low as possible.

Charges and fees stated on the following pages apply only to 2009-2010 academic year.

Schedule of Charges 2009-2010

Full-Time Students (12-18 hours per semester):	Per Year	Per Semester
Tuition ¹	\$20,565	\$ 10,282.50
Technology	\$450	\$225
Student Activity	\$450	\$225
January Term	\$350/credit	
May Term	\$350/credit	
Residential Life ²		
Campbell Village (I, II, III, and IV)	\$5,000	\$2,500
Goodnight/Woolery/Harlan/Phillips Halls	\$4,600	\$2,300
Fraternity/Sorority Houses	\$4,600	\$2,300
Double Room as a Single Additional \$450.00/Semester (subject to availability)		
Traditional single room subject to appropriate charges		
January/May Term Housing (no charge for full-time fall/spring residential students)	\$45/week	
Meal Plans		
Board	\$4,100	\$2,050
May Term Board	\$100/week	
January Term Board ³	\$100/week	
Part-Time Students (1-11 credit hours per semester):		
Tuition per credit hour ^{4,5}	\$650	
January Term	\$350/credit	
May Term	\$350/credit	
Audit ⁶		
• Full-time students	Part of load	
• Part-time students	\$100 per credit hr	
• Community audit	\$100 per credit hr	
• Alumni (graduates)	\$50 per credit hr	
Deposits – New Students Only:		
Orientation	\$125	
Registration Deposit	\$150	
Miscellaneous Fees/Fines:		
Transcript Fees (official and student issued)	\$10	
Vehicle Registration Fee	\$150	
Late Parking Fines	\$15	
Returned check fee	\$25	
Health Insurance	\$225	
Laundry Fee	\$100	\$50
Private Music Lessons (each semester for one-half hour weekly)	\$300	
Student Teaching Placement fee (for teacher education students)	\$100	
Social Work Placement fee (for social work students)	\$100	
BethBridge Program (enrollment by invitation)	\$1,400	
Program for Academic and Social Success (PASS) ⁷		\$500-2,500

¹ Students enrolled for more than 18 credit hours in the Fall or Spring Semester will be charged \$600 for each credit hour beyond 18 in addition to the regular full-time tuition.

² Reference the Bethany College Student Handbook for residential policy. Students found to be in violation of this policy will be charged \$500 per semester or \$1,000 for the year.

³ Students living on campus while preparing for or taking senior comprehensive examinations will be charged appropriately.

⁴ Senior Citizens (55 years of age and up) may take up to three credit hours per semester without charge. Students must pay all applicable registration and course (studio, laboratory, etc.) fees.

⁵ Students and residents enrolled at Bethany for the purpose of completing comprehensive exams and/or senior projects will be charged an appropriate amount as per the fees listed for part time tuition per credit hour. Should students reside in campus housing this period, appropriate room and board charges will apply.

⁶ Requires permission of the instructor. Permission to audit will not be granted if auditors would displace students who are taking the course for credit.

⁷ Student must be qualified for admittance.

Tuition and Fees are subject to change

Billing Information and Dates

Billing Information

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.

January Term (freshmen)—January Term is required of all freshmen. Financial aid packaging will include appropriate January Term fees.

January Term (other students)—Those students wishing to include January Term in their annual packaging, must notify the Office of Student Financial Planning prior to annual packaging. Otherwise, students will be billed subject to the fees stated above and billed according to the timetable below.

Billing and Payment Dates

- Fall Semester 2009 invoices will be issued July 5, 2009 and are due by August 7, 2009
- Deadline for non-freshman students to register for January Term 2010 is December 22, 2009. After the deadline a \$50 late fee will apply.
(Please note for all non-freshman students, financial aid packages must be included in the fall billing period. Students wishing such packaging should so indicate prior to annual packaging)
- Spring 2010 invoices will be issued December 4, 2009 and are due by January 4, 2010.
- May Term, Summer Term, on-line, off-campus, and study abroad programs may have different charges and due dates. Consult the Office of Business/Finance for specific charges.

Graduation Requirement

All students graduating must have their financial obligations to the institution met prior to graduation. Students owing more \$150 will not be permitted to participate in graduation; in addition, diplomas and transcripts will be withheld until the financial obligation is satisfied.

Work Study

All students having an outstanding balance who participate in any work program offered at Bethany College are mandatorily required to apply their earnings to their outstanding account balance.

Refund Policies

Any notification of withdrawal or cancellation and request for refund must be in writing. A withdrawal form must be completed and all necessary signatures obtained. Oral requests for refunds will not be acted upon.

- **Tuition**—One hundred percent of the tuition charges, less special course fees, will be refunded if written notification of cancellation is made before the first day of classes. Other refunds of tuition will be made upon receipt of written notification of withdrawal or cancellation according to the following schedule:
 - * 75% in the first week of the academic period
 - * 50% in the second week of the academic period
 - * 25% in the third week of the academic period
 - * No refund will be made following the third week of the academic period.

The academic period referred to above is the normal semester (fifteen weeks) of the College. If a student is enrolled in an academic period of different duration, the refund periods stated above will be adjusted proportionally (in an academic period of one half the length of a normal semester the refund periods above would be one half as long). Refund checks will be issued within thirty days if all financial aid has cleared.

- **Room and Board**—One hundred percent of the room and board charges, less any cleaning and damage fees, will be refunded if written notification of cancellation is made before the first day of classes. After classes start, room and board charges will be refunded on a pro-rata basis through the end of the first month of the semester. After this date, no refund will be given for room and/or board.
- **Discipline**—In case of dismissal for breach of college disciplinary rules, no refund will be given.
- **Deposits**—Any refundable deposit (for example, a key deposit) will first be applied against the student's outstanding balance. If the student's outstanding balance exceeds the refundable deposit, the student will not be entitled to the refund of such deposit.
- **Appeals**—Students or parents who feel that unusual circumstances warrant exception from published refund policy should submit a written explanation of these circumstances to the Dean of Students.
- **Title IV Federal Financial Aid Recipients**—The Refund/Replacement Policy governs the return of Title IV funds when a student withdraws before completing more than 60% of the semester. Funds must be returned to the following sources in specific order until the total amount of the school's responsibility has been satisfied:
 - * Unsubsidized Federal Stafford Loans
 - * Subsidized Federal Stafford Loans
 - * Subsidized Direct Stafford Loans
 - * Perkins Loans
 - * Federal PLUS Loans
 - * Direct PLUS Loans
 - * Federal Pell Grants
 - * FSEOG
 - * Other Title IV Assistance

Fees Specific to Off-Campus Study

- **Heidelberg**—\$10,282.50 for one semester (includes tuition, fees, stipend to sponsor in Germany). Airfare and other travel is the responsibility of the student.
- **Paris Sorbonne**—\$10,282.50 for one semester (includes tuition and fees, stipend to sponsor in France). Airfare and other travel is the responsibility of the student.
- **Seigakuin**—\$10,282.50 for one semester (includes tuition and fees), and an additional \$4,350 for room and board. Airfare and other travel is the responsibility of the student.
- **Regents College**—\$10,282.50 for one semester (includes tuition and fees) and an additional \$4,350 for room and board. Airfare and other travel is the responsibility of the student.
- **Oxford University**—\$17,800 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**—\$13,233 for one semester (includes tuition, room, board, London airport pick-up, and fees). Airfare and other travel are the responsibility of the student.
- **Spain**—\$10,282.50 for one semester (includes tuition and fees, stipend for sponsor in Spain). Airfare and other travel is the responsibility of the student.
- **Student Teaching**—\$10,732.50 for one semester (includes tuition and fees) and the additional cost for pre-school week board and \$100 fee for placement.
- **Social Work Placement**—\$10,732.50 for one semester (includes tuition and fees) and the additional cost for pre-school week board and \$100 fee for placement.

Unpaid Accounts

A \$250 late fee will be imposed if Fall Semester payment (or alternative) is not received by August 7, 2009 and Spring Semester payment by January 4, 2010. The College reserves the right to cancel a student's registration, meal plan, and room assignment for lack of payment. 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 grades, diploma, certificates or transcripts provided until balance is cleared. Re-instatement to the College will require payment of amounts due and compliance with the usual re-admission procedures. The student is responsible for all collection agency fees, attorney fees, court costs and other costs necessary for the collection of amounts not paid by the due date. Students whose accounts are assigned to collections may have their credit adversely affected and may have difficulty in obtaining credit in the future.

Also note, unpaid balances on accounts of former students will incur interest at the rate of 1% per month (APR 12.68%) on the unpaid balance commencing on the first day of the third month following the close of the term which they last attended the college.

Course Fees

COMM 307	\$50
COMM 315	\$50
COMM 408	\$50
COMM 409	\$75
FINA 125	\$25
GENS/PHYS 151	\$25
INTD 210	\$25
MUSI 103	\$50
MUSI 250	\$50
MUSI 251	\$50
PHED 180	\$400
PHED 183	\$400
PHED 184	\$400
PHED 185	\$400
PHED 186	\$400
PHED 187	\$400
PHED 188	\$400
PHED 189	\$400
PHED 190	\$400
PHED 193	\$400
PHED 194	\$400
PHED 196	\$400
PHED 197	\$400
PHED 198	\$400
PHED 340	\$50
PSYC 188	\$25
THEA 103	\$25
THEA 153	\$50
VISA 201	\$25
VISA 202	\$50
VISA 203	\$50

VISA 211	\$50
VISA 213	\$50
VISA 221	\$50
VISA 231	\$50
VISA 301	\$50
VISA 311	\$50
VISA 313	\$50
VISA 321	\$50
VISA 331	\$50
VISA 401	\$50
VISA 411	\$50
VISA 413	\$50
VISA 421	\$50
VISA 431	\$50

Financial Aid

Financial assistance is available to those students whose resources will not fund a Bethany education but who sincerely desire to attend. Good students, regardless of financial need, are frequently eligible to receive scholarships and grants to attend Bethany. An applicant to Bethany is reviewed for scholarship eligibility during the admission process. No separate applications are required.

All need-based aid is awarded after evaluation of the Free Application for Federal Student Aid (FAFSA). All applicants for admission are sent information regarding the financial aid process. All accepted new students will receive offers of financial aid beginning in mid-February. Returning students will receive their offers after review of second semester grades in May. Priority deadlines for financial aid are March 1 for new students and May 1 for returning students.

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.

Satisfactory Academic Progress

The Educational Amendments of 1976 (P.L.94-482, October 12, 1976) under section 132 states that “a student shall be entitled to receive Federal student assistance benefits only if that student is maintaining satisfactory progress in the course of study.”

At Bethany College, a student who is making satisfactory academic progress has completed at least 13 credits during the previously enrolled semester or has completed cumulative credits averaging at least 13 credits per enrolled semester. Failure to maintain satisfactory academic progress for two consecutive semesters will result in the loss of financial aid eligibility until the student completes at least 13 credits during the next enrolled semester.

In addition, students who receive Title IV Federal aid for the first time after July 1, 1987 are required to have a cumulative grade point average of at least 2.0 at the end of four semesters. They are then required to maintain a cumulative GPA of 2.0 until completion of the course of study.

Students receiving scholarships and grants from Bethany College must meet any academic requirements or other criteria associated with those awards to maintain them.

Student Drawing Account

The Office of Business/Finance provides a limited banking service through which students and their parents may deposit funds which the student may draw on as required. Establishing a student drawing account is recommended to avoid the necessity of keeping on hand any substantial amount of money. All checks for this account must be made payable to the Bethany College Student Drawing Account.



Academic 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 Seminar (FSEM 111)
 - First-Year Transition (FSEM 112)
 - First-Year January Seminar (FSEM 113)
 - The Bethany Writing Requirement
 - a course in the study of Religion
 - The Bethany Fitness/Physical Activity Requirement
 - World Languages and Cultures Requirement
 - Liberal Arts Core
 - a Major Field of Study
 - a Senior Project in the major field
- the senior comprehensive examination in the major field
- the residence requirement

Bachelor of Arts degrees are awarded in Accounting, Business Administration, Communication, Computer Science, Cultural Studies, Economics, Education, English, French, German, History, Interdisciplinary Studies, Music, Physical Education, 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, Interdisciplinary Studies, Mathematics, Physics, 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 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 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
- provide students with an interdisciplinary introduction of important issues, methodologies, and texts in the arts and humanities

A student transferring to Bethany with more than 12 credits from another college is exempted from the First-Year Seminar. All other students must successfully complete their first year seminar within their first year at Bethany. Students who do not successfully complete their First Year Seminar in the Fall term will be required to make up this course during the May term of their first year, at additional expense. Additionally, students who do not successfully complete FSEM 112 (First Year Engagement, First Year Success: A Transition Course) in the Fall term of their first year will be required to register for, and successfully complete, the course in the Fall term of their sophomore year. If these courses are not successfully completed, students will not be eligible for graduation.

The Bethany 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 five courses designated as writing intensive, including FSEM 111 and ENGL 111. Writing intensive courses are designated by the Writing Across the Curriculum Advisory Committee. A list of courses so designated may be obtained from the Office of the Registrar.

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 Religious Studies and Philosophy and is preferably taken during the Freshman 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.

The Bethany 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 of either PHED 102 Introduction to Lifelong Fitness, or PHED 103 Introduction to 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 Skills Sequence (PHED 110, 120, 121, 122, 123, 124), the Intense Conditioning Sequence (PHED 132, 137, 138, 139), or the Equestrian Performance Courses Sequence (PHED 180-198). 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.

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 (French, German, Italian, Japanese, Latin, 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 French, German, Italian, Japanese, Latin, 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.

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. Only courses taken in the year they appear on the approved list can count toward fulfillment of the requirement.

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

Communication 203 Principles of Advertising, 204 Principles of Public Relations, 208 Principles of Broadcasting and New Media, 304 Media Law; **Economics** 162 Principles of Macroeconomics, 163 Principles of Microeconomics; **English** 212 Writing for College and Community; **Political Science** 225 American Politics, 304 Public Policy Analysis, 330 Media and Politics; **Religious Studies** 224 Religion and Culture; **Sociology** 150 Social Problems.

Aesthetic Awareness and Creativity: *to develop an understanding of the principles which influence the creative process in human endeavor.*

Communication 205 Principles of Graphic Design, 218 Audio-Video Performance and Production, 228 Video Animation, 305 Feature Writing, 410 Desktop Publishing; **English** 160 Introduction to Film, 230 Writing from Nature, 311 Poetry Writing Workshop, 312 Fiction Writing Workshop; **Department of Visual and Performing Arts**, all courses offered by the department. (**NOTE:** Students may elect to complete three one-credit courses in this area rather than one three-credit course to fulfill this category.)

Cultural Awareness: *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.*

English 267 Masterpieces of World Literature, 283 African American Novel; **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** 326 Latin America, 330 Modern China, 331 Modern Japan; **Japanese** 130 Japanese III, 321 Modern Japan; **Psychology** 250 Ethnicity and Psychology; **Religious Studies** 220 Introduction to World Religions, 228 Buddhism, 352 Islamic Civilization; **Sociology** 210 Human Diversity; **Spanish** 130 Spanish III, 220 Conversation and Composition: Spain, 320 Civilization of Spain.

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

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, 224 Psychology of Personal Growth, 287 Organizations and Human Behavior, 324 Personality: Theory and Application, 325 Abnormal Psychology, 326 Social Psychology, 328 Interpersonal Aspects of Psychotherapy and Counseling, 329 Theories of Psychotherapy and Counseling; **Social Work** 145 Women's Issues Across the Lifespan; **Sociology** 145 Women's Issues Across the Lifespan.

International Understanding: *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.*

Communications 403 International Communication; **English** 268 Modern World Literature; **Economics** 260 Comparative Economic Development, 270 Comparative Economic Systems, 360 International Trade; **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** 201 The World Food Supply, 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, 364 International Relations Theory; **Spanish** 221 Conversation and Composition: Latin America, 321 Civilization of Latin America.

Life Science: *To examine the nature of living things.*

Biology 100 Modern Concepts in Life Science, 102 Horticultural Science, 108 Botany, 326 Ecology; **Physical Education** 327 Physiology of Muscular Activity; **Psychology** 100 General Psychology.

Literature: *To explore the human dimensions of literature by reading and interpreting major literary works.*

English 150 Honors Freshman English, 200 Literature and Literary Diversity, 245 British Literature I, 246 British Literature II, 255 American Literature I, 256 American Literature II, 264 Masterpieces of Drama, 266 Masterpieces of European Literature, 270 Shakespeare, 275 American Short Stories, 280 American Novels, 1970 to the Present, 285 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, 421 Survey of Latin American Literature.

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, 107/108/109 Tools of Mathematical Understanding, 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 Quantitative Methods in Psychology.

Physical Science: *To examine the nature of the physical world.*

Chemistry 100 Consumer Chemistry, 108 Introduction to Forensic Science, 111 Organic Chemistry I, 112 General Chemistry I; **General Science** 100 Consumer Chemistry, 103 Everyday Physics, 151 Astronomy, 220 Geology; **Physics** 103 Everyday Physics, 151 Astronomy, 201 General Physics I, 202 General Physics II.

The Western Tradition: *To become familiar with historical and cultural developments which have contributed to the formation of the western world.*

Communication 211 The Documentary Tradition, 308 Sight, Sound, and Motion, 338 Surrealism and Cinema; **French** 320 French Civilization; **History** 101 World Civilization I, 102 World Civilization II, 201 U.S. History I, 202 U.S. History II; **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; **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; **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** 311 Studies in the Gospels, 326 The World of Late Antiquity, 417 A History of Biblical Interpretation.

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)

Business Administration

Chemistry

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

Communication

(with options for emphasis on Advertising, Digital Media and Journalism, Graphics, and Public Relations)

Computer Science

Economics

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

Education

(Elementary Education; Middle Childhood Education through individual department programs in the areas of French, General Science, German*, Language Arts, Mathematics, Physical Education, Social Studies, and Spanish; Secondary Education through individual department programs in the areas of Art, Biology, Chemistry, English, French*, General Science, German, Mathematics, Physical Education, Physics*, Psychology, Social Science, and Spanish; Education in a Non-School Setting)

English

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

Environmental Science (Interdisciplinary)

Equine Studies (Interdisciplinary)

French*

German*

History

Interdisciplinary Studies

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

International Economics with study abroad

(Interdisciplinary)

International Relations (Interdisciplinary)

Mathematics

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

Music

Physical Education and Sports Studies

(with options for emphasis on Sports Communication, Sports Management, Sports Services, and Teaching Physical Education)

Physics*

Political Science

Psychology

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

Psychology and Education (Interdisciplinary)

Religious Studies

Social Studies (Interdisciplinary)

Social Work

Spanish

Theatre

(with options for emphasis on Acting and Technical Theatre)

Visual Art

Engineering degrees are also possible through cooperative programs with Case-Western Reserve University or Columbia University.

There are sequences preparing students for programs in Dentistry, Engineering, Law, Medicine, the Ministry, Physical Therapy, and Veterinary Medicine.

**The French, German, and Physics majors will be discontinued at the end of the 2011-2012 academic year. No new students will be accepted into these majors.*

Senior 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 senior 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 senior 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, is completing 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 apply in the Office of the Registrar at least two months prior to the first day of the written section of the Examination. The Examination, which is offered in January and in May, includes both written and oral sections. In some majors, portions of the Graduate Record Examination are part of or prerequisite to the Senior Comprehensive Examination.

Students who have completed all requirements in their majors 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.

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.

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 generally require between 15 and 24 credits of directed study in one or more departments. Minors are offered in:

Accounting	History
American Government and Politics	International Relations
American Literature	Management
Botany	Mathematics
British Literature	Medieval and Renaissance Studies
Business	Music
Chemistry	Multi-Category Special Education K-Adult
Communication	Philosophy
Computer Science	Religious Studies
Creative Writing	Secondary Education
Cultural Studies	Spanish
Economics	Theatre
Environmental Biology	Theoretical Physics
Equine Studies	Visual Art
Experimental Physics	Women's Studies
French	Writing and Language
German	Zoology

A student may earn a minor in a curricular department in which the student earns a major only if the minor requires no more than six credits in courses also required for the major.

January Term

The Bethany program includes a required three-week January Term for all First-Year Students. The First-Year January Term provides students with a small topic driven seminar experience (most often students will remain in their seminar group from first semester and continue to study with their seminar professor, although they may explore a new topic). The seminar will allow students to learn deeply, rather than broadly, since this seminar will be the only course they take during January Term. Topics will vary, but all seminars are designed to enhance college-level reading, writing and research skills. In addition to the required First-Year January Term seminars, a limited number of courses will be offered for upper class students who choose to take a three-week January Term course.

May Term

The Bethany program includes a voluntary two to four-week May Term. The May Term provides 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 May Term. Since the May Term is 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 one of several support programs that Bethany College provides to assist students in becoming successful college graduates. Bethany only invites students into the program who demonstrate a sincere interest in attending college, but whose records indicate that there will be great benefits gained from a meaningful early college experience. This two-week summer program consists of several preparatory courses for academic credit, transition to college workshops, and planned on- and off-campus activities.

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, Professor Majid A. Sawtarie, Department of Physical Science.

Medical and Health Professions

Programs for advanced degrees in medical fields such as dentistry, medicine, optometry, pharmacy, and podiatry, as well as physician's 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 exams such as the DAT, GRE, MCAT, OAT, or PCAT. Students interested in health related professions should plan to take Chemistry 111-112 and Biology 100 during their first year. Mathematics 201 is highly recommended during the first year. Chemistry 221-222 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, Dr. Robert A. Paysen.

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 111-112, 221-222, 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. Some large animal experience may be obtained by enrolling in General Science 293. 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 three schools: Auburn University, University of Georgia, and Mississippi State University. There are at present 13 contract seats among the three schools. Eligible students must complete the application for the West Virginia Contract Seat, which can be obtained from the Division of Animal and Veterinary Sciences at West Virginia University by contacting Ms Gretchen Riggs at 304-293-2231, Ext. 4420 or by email to griggs@wvu.edu. Applications are available by early July and are due in late August for the year of application. 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.

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: Political Science 225, Political Science 322, Political Science 361-363, Political Science 401, Accounting 211-212, Communication 206, Communication 304, Philosophy 100, Philosophy 123, and courses in English literature, composition, and world languages. Students interested in pre-professional preparation in law should consult the pre-law advisor, Professor Gary Kappel, Department of History and Political Science.

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 the Faculty.

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 Religious Studies and Philosophy.

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, Professor John H. Hull, Department of Psychology.

Other Professions

Bethany also provides thorough preparation for professions in the fields of business administration, 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.

Internships

Students may spend a semester combining practical professional experience with formal off-campus study. A student wishing to do this must obtain full-time employment 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. No additional academic work may be taken during the semester of the project.

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 remains eligible for Bethany financial aid. Students and their advisors should consult with the Director of International Studies before registering for a study abroad program to determine whether funding is available. A list of these programs follows.

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 Study 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. Students make application for the programs through the Honors Committee. Restrictions on the use of financial aid resources may apply. For more information, contact Dr. Elizabeth Hull, Professor of English in the Dr. Robert L. Martin Chair in English Literature.

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. Internships may also be available

East Central Colleges Exchange Programs

By a series of exchange agreements developed by the consortium of East Central Colleges and administered through Muskingum College, qualified Bethany students may remain registered at Bethany while living and studying for a semester or full year at one of the following institutions:

- The American College of Thessalonica in Greece
- Blas Pascal University at Córdoba in Argentina
- The Inter-American University at San Germán in Puerto Rico
- Kansai Gaidai University at Osaka in Japan
- The University of Karlstad in Sweden
- The University of Passau in Germany
- The University of Prince Edward Island at Charlottetown in Canada
- The University of Québec, at any of six campuses, in Canada
- The University of Saskatchewan at Saskatoon in Canada

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

InterAmerican Consortium of Higher Education

The InterAmerican Consortium of Higher Education, composed of six U.S. colleges and universities and eleven international institutions, provides study abroad opportunities for students of member institutions. U.S. members include Bethany College, Elmira College, Lake Erie College, Lewis University, Neumann College, and Wesley College.

The consortium presently operates in collaboration with Universidad Interamericana of Costa Rica and Panama. Additionally, the consortium has relationships with institutions in Australia, Bulgaria, Honduras, Italy and France. Other partnerships are pending. For more information, please contact the Office of Academic Affairs.

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, Professor Clinton W. Maffett, Department of History and Political Science, and have the approval of the Vice President for Academic Affairs.

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.

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, CO. Through membership to the OCICU, Bethany is able to make online courses offered by more than 60 other Consortium members available to students at Bethany College.

Although Bethany does not provide any courses to the consortium, 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.

Programs for International Students

The American College Experience

The American College Experience program is designed to provide students or young professionals who have never been to the United States with the opportunity to develop their knowledge of American culture and to improve their language proficiency in English. Applicants must provide evidence of English language skills by submitting results of the Test of English as a Foreign Language (TOEFL). Students participate in a number of courses selected from the regular curriculum and are awarded a certificate at the end of either a one or two-semester experience.

The Pre-MBA Program

The pre-MBA program provides post-undergraduate preparation for admission into a Master of Business Administration program. The program is open only to students who have already completed a baccalaureate degree or its equivalent and who provide evidence of English language skills by submitting results of the Test of English as a Foreign Language (TOEFL). A certificate is awarded at the end of the two-semester sequence.

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.

Appalachian College Association

Bethany College is a member of the Appalachian College Association (ACA), a non-profit consortium of 36 private two- and four-year liberal arts colleges and universities spread across the central Appalachian mountains in Kentucky, North Carolina, Tennessee, Virginia, and West Virginia. From its headquarters in Berea, Kentucky, 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.

East Central Colleges

Bethany College is a member of East Central Colleges, a consortium formed in 1968. Other members are Heidelberg College, Hiram College, Marietta College, Mount Union College, Muskingum College, Otterbein College, and Westminster College. These colleges collaborate to share programs and further their common interests. The consortium also maintains a relationship with an office and representative in Washington, D.C.



Library and Information Technology Services

The Mary Cutlip Center for Library and Information Technology Services facilitates teaching and learning at Bethany College by providing a rich collection of resources and equipment, knowledgeable staff, and support services for the campus community.

For complete information about library and technology services available at Bethany College, including recommended computer specifications, please visit the following websites: www.bethanywv.edu/library/ or www.bethanywv.edu/technology/

Library Collections: The T.W. Phillips Memorial Library, the main facility of the Mary Cutlip Center for Library & Information Technology Services, serves the Bethany College community by helping users identify, select, access, and evaluate information resources in a variety of formats. Local holdings include more than 250,000 physical items: books, periodicals, newspapers, audiovisuals, and archival materials. Additionally, the library subscribes to a broad yet selective group of electronic databases that provide access to online magazines, journals, primary source documents, and eBooks. Access to these resources is provided both in-house and through the Internet. Specialized collections located in the library building include the Bethany College Archives, the Center for Campbell Studies, the Upper Ohio Valley Collection, the James Schuyler Poetry Collection and related materials. Bethany College also participates in the the Bowen Central Library of Appalachia, a subscription library owned and operated by the Appalachian College Association. BCLA operations are supported by a committee structure involving representatives from a majority of the participating libraries. Many libraries outsource a significant percentage of their electronic services to the BCLA, with 25 also participating in a shared catalog and 29 receiving proxy services from the BCLA.

The Grace Ryland and William Henry Robinson Children's Library located in the Judith R. Hurl Education Center welcomes children of all ages. The Children's Library provides a substantial collection of children's literature suitable for infants through young adults as well as materials that support the curriculum of the Bethany College Education Department. Various programming opportunities geared towards children are offered including Storytime and study help. The Children's Library is staffed with librarians from the Mary Cutlip Center for Library & Information Technology Services and is also supported by student employees.

Computer Labs: There are multiple open-use computer labs on campus. Two labs are available 24 hours a day, 7 days a week. Both Apple Macintosh and Windows OS computers are available for student use. Strategically placed "walk-up" computer stations enable access to the Internet for e-mail and course needs.

Residence Halls: Each room in the residential halls contains high-speed network connectivity, basic cable TV service, and telephone ports. Telephone service includes local and campus phone calls, along with voicemail service. Cable TV service is also in common areas of residential buildings.

Wireless: Wireless access is available in a variety of academic and student life buildings on campus. Students, faculty and staff are able to utilize this service for high-speed internet connectivity.

Classroom Media: Numerous classrooms contain academic instructional technology such as computers, projectors, DVD/VCRs, TVs, visual presenters, "smart boards", etc.

Student Use Media Facilities: Maxwell's Lounge, located in Phillips Hall, contains a video and sound system for casual use by students, faculty, and staff.

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 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, Hummel Field House, and various playing fields are available for student use at most hours.

Academic Procedures

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 Vice President for Academic Affairs. Applications for excess credits are available in the Office of the Registrar.

Students enrolled for more than 18 credit hours in the Fall or Spring Semester will be charged \$600 for each credit hour beyond 18 in addition to the regular full-time tuition.

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.

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.



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.

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.

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 Vice President for Academic Affairs. 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.

Change of Schedule

During the first five class days of each semester, a student, with the approval of the advisor, may drop or add any course. No courses may be added after this time. To withdraw from a course the student must follow the procedures established by the Office of the Registrar.

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.

A student who misses a class session may choose to verify the reason for that absence by submitting to the instructor a completed Explanation of Absence Form. Forms are available in the Office of the Registrar.

Academic Honesty

Academic honesty is essential to a college community’s purpose and pursuits. Thus, academic integrity is expected of all Bethany College students. A student’s academic work and conduct should always represent the student’s personal effort and thus be above reproach. Examples of breaches in honesty include such acts as cheating, plagiarism via traditional or electronic means, collusion, and fabrication or falsification of either records or research data.

All students are expected to have a general understanding of plagiarism. They are also responsible for knowing the established departmental definitions of plagiarism, and in particular those stated in course syllabi. Plagiarism is the presentation of borrowed material without a citation of its source.

Depending on the circumstances and the severity of the infraction, incidents of academic dishonesty may result in consequences ranging from a failing grade for an assignment through dismissal from the College in accordance with policies governing violations of the Student Code of Conduct.

An instructor who believes that academic dishonesty has occurred should notify and discipline the student as detailed in the class syllabus or College documents.

A student may appeal within a two-week period of the notification by submitting a written appeal to the Academic Standards Committee. Upon receipt of this written appeal, the chair of the Academic Standards Committee will arrange a conference. Conference participants will include the student, the faculty member, and a member of the Academic Standards Committee. A report of this conference will be submitted to the full Academic Standards Committee. The Committee may choose to interview any or all parties involved in the appeal.

The Committee serves as a review panel to assure that academic integrity and appropriate appellate processes have been maintained. The Academic Standards Committee will notify the faculty member, the student, and the Vice President of Academic Affairs of its recommendation. The Vice President of Academic Affairs will render a decision on the matter.

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, *Superior*; B, *Excellent*; C, *Average*; D, *Below Average*; 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.

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.

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, with the exception of FSEM 112 Transitions.

Grade Discrepancies

Any grade that has been submitted to the Registrar by an instructor is considered final. Grades may not be changed by allowing the student to do additional work (e.g., retaking exams, rewriting papers or other assignments); 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 Honesty Policy); 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 first 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:

- No later than 30 days into the semester immediately following the semester for which the grade report in question was sent out, the student must send to the course instructor a written request for a specific change in the grade. The written communication must include specific details about the graded work (such as grades received on exams and papers) and must describe the nature and magnitude of the apparent grade discrepancy. The course instructor (if still on the faculty and not on sabbatical or other leave) must respond within 30 days of receiving the letter to questions raised by the student and undertake to correct any grade found to be erroneous or unjust. If the instructor believes the grade should remain as recorded, the response to the student must be a written one. If the course instructor is the department chair, the appeal process continues with step 3.
- Within 14 days of the date on which the response was mailed, 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 whether procedures specified were followed in the appeal stages. The department chair will then render a decision which will be transmitted in writing to the student and to the course instructor.
- Within 14 days of the date on which the response was mailed, the student or the instructor may appeal the decision by notifying the Dean of the Faculty. The Dean of the Faculty will promptly (within 14 days) confer with the student, the course instructor, and such others as may be helpful, including (if desired by the student) a tenured Bethany College faculty member selected by the student. The Dean of the Faculty 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 and whether procedures specified were followed in the appeal stages. The Dean of the Faculty will then render a decision which will be transmitted in writing to the student and to the course instructor.

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 appeal within the time specified, the grade will remain as recorded.

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.

Withdrawal

An honorable dismissal is granted to students in good standing who may desire to withdraw from the College if they have satisfied their advisors and a responsible officer of the College that there is good reason to justify such action. Students asking to withdraw should present a written statement to the Dean of Students, the Executive Vice President and General Counsel, and the Registrar. No withdrawal is considered complete until this procedure has been carried out.

Academic 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. Students who have failed to meet the academic standards expected by the College are placed on academic probation.

Academic probation is a warning that academic performance is unsatisfactory and that unless significant improvement is made, continuation at Bethany will not be permitted. At the end of a semester on probation a student's entire academic record is reviewed by the Academic Standards Committee. Continued enrollment depends on the trend in academic performance.

Students are subject to dismissal if they receive a grade-point average less than 0.50 in any semester or when their grades fall below requirements at any time during or after academic probation. Detailed academic policies and procedures may be obtained from the Registrar.

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.

Transcript of Records

Students wishing transcripts of records in order to support applications for graduate or professional 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. 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 a transcript is issued.

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.

Scholarships, Recognition Awards

Bethany recognizes promise and intellectual attainment by awarding a large number of scholarships. These awards vary in value and are available to a limited number of entering students. Most scholarships are awarded to first-year students on a four-year basis, but are continued from year to year only if the recipient has met the following conditions:

- a satisfactory scholarship index
- satisfactory conduct as a student
- worthwhile contributions to the College program
- constructive citizenship in the College community
- payment of student accounts as scheduled

Bethany offers a wide range of scholarships, designated and external trust scholarships, as well as sustained awards and loan funds. These awards, most named for distinguished alumni and faculty members and friends of the College, are awarded to worthy and eligible students. Some are designated for specific fields and interests.

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.

A complete listing of all scholarships is available from Bethany's Center for Institutional Advancement and the Office of Admission.

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).

Senior Fellowships

Certain members of the junior class may be designated as senior fellows for the following year. The selection is made from students who have demonstrated unusual excellence in a major and the character and ability to do work in the department. No more than 14 full-year senior fellowships or the equivalents are awarded in any one year. Usually no more than one full-year fellowship or the equivalent is awarded in any one department. The selection of senior fellows is made by the Honors Committee, usually from nominations presented by the department chairs.

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. This distinction is determined by the Honors Committee.

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 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.

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 Department.

Communication

Alpha Epsilon Rho, an honor society in the National Broadcasting Society, is for students in telecommunication, television, film, cable, or other programs in electronic media. It promotes leadership and exposes students to telecommunications industries, career preparation, and the development of media education programs. Membership is open to National Broadcasting members who are nominated for scholastic excellence, and/or recognized for creative achievement.

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

Epsilon Chi Chapter of Kappa Pi is for students of graphic arts. Its purpose is to uphold the highest ideals of a liberal education, to provide a means whereby students with artistic commitment meet for the purpose of informal study and entertainment, to raise the standards of productive artistic work, and to furnish the highest reward for conscientious effort in furthering the best interest in art in the broadest sense of the term.

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 of economics, including either Economics 301 or 302, and who have achieved both a departmental and overall grade-point average of 3.25 or better.

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 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

Lambda Iota Tau is an international honor society for the encouragement and reward of scholastic excellence in the study of literature. Membership is limited to juniors and seniors who are in the upper 35 percent of their class, who have completed a minimum of 12 credits of literature courses with at least a 3.0 grade-point average in them and in all prerequisite courses, and who have presented a scholarly, critical, or creative paper which has been accepted by the chapter. The chapter presents an annual award for the best senior project in literature. *Lambda Iota Tau* is a member of the Association of College Honor Societies.

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.

Physical Education

Phi Delta Psi is a 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 the second semester level 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 the department.

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.

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 12 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. Eligibility for membership in the society requires high performance both in general studies and in the study of religion.

Social Science

Pi Gamma Mu is a 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* 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.

Visual and Performing Arts

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.

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.

Sigma Tau Epsilon music honorary 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.

World Languages and Cultures

Delta Phi Alpha 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.

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.

Vira I. Heinz Awards are granted to up to three sophomore women who have distinguished themselves by leadership, character, and scholarship and whose proposals for international travel most significantly supplement their educational objectives. These awards for summer travel are provided by the fund of the late Vira I. Heinz, recipient of the honorary Doctor of Religious Education degree from Bethany in 1969.

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.

Library

The Edna W. Woolery Bibliography Prize, named for a Librarian who served Bethany from 1947-1960, was established in 1981. It is awarded to senior students who have compiled an annotated bibliography and requested that it be considered for receiving an award of which there are four, one in the Humanities, one in the Natural Sciences, one in the Social Sciences, and one in Interdisciplinary Studies.

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.

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.

Communication

E. E. Roberts Distinguished Prize in Campus Journalism is awarded to an outstanding student who excels in work with one of the student media, in academic work in the Department of Communication, or both.

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

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

Charlotte Manion Yurko Award is presented to the Communication 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.

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.

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 Burlison 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 Burlison 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.

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.

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.

Literature

Lambda Iota Tau Outstanding Senior Project Award is presented annually to the student submitting the best senior project in literature.

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

Leonard Emory Yurko Award is presented annually to the senior pre-medical student exhibiting outstanding character and excellent scholarship as determined by the Health Professions Advisory Committee.

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 Award, first presented in 2000, is awarded to the junior or senior who has demonstrated outstanding leadership ability and potential in the area of Christian ministry. It is named in honor of Harold Watkins, a Bethany alumnus, trustee, and ordained minister of the Christian Church (Disciples of Christ), and Evelyn Watkins, a long-time friend and advocate of Bethany and the Christian Church.

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.

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 Fine Arts who has an emphasis in one of the art 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.

Jane Judy Phillips Memorial Award in Theatre is presented to a Bethany student for an outstanding debut season in the Bethany Theatre. Selection of the recipient is made by the faculty of the Department of Fine Arts. The award honors the late Jane Judy Phillips, who was a volunteer assistant theatre director to her brother, Jennie Steindorf Renner Professor of Fine Arts David J. Judy.

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 Fine Arts 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 *Student Handbook* provides information that depicts the campus climate through statements of the College's mission, goals, and objectives. The *Student Handbook* also explains policies, procedures, and community expectations.

Student Government

The Student Government Association, comprised of representatives from all residence groups and recognized student organizations, manages a substantial budget and disburses funds for student activities and clubs. Students are appointed to some College committees and have responsibilities in all aspects of campus governance.

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, suite style, and apartment living. The apartments 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 Snack Bar, and the Bethany Beanery in Morlan Hall lobby, as well as catering for special events.

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, Circle K, Big Brothers Big Sisters, International Student Association, Math and Computer Science Club, 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, sororities, and independent house associations constitute important social groups for upperclass men and women on campus. There are six fraternities and three sororities that are nationally affiliated and one local sorority. Their membership constitutes approximately 50% 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, Kappa Alpha, Phi Kappa Tau, and Sigma Nu. Sororities are Alpha Xi Delta, Phi Mu, Zeta Tau Alpha, and the local sorority Delta Epsilon Pi.

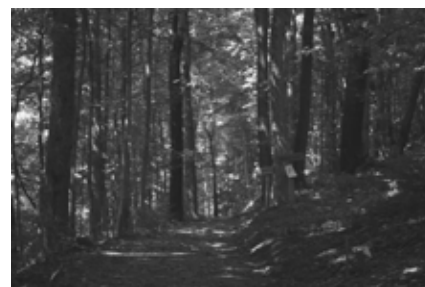
The D. Duane and Suzi Cummins Community Center, a student-managed activity center on campus, provides a place for students, faculty, and staff to go for a workout in the 24-hour fitness facility or to gather for conversation and relaxation.

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 (a weekly newspaper, a yearbook, a magazine, a literary magazine, an FM radio station, and a cable TV station) command much student interest and involvement.

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. On College property adjoining the campus are ten miles of mountain biking/hiking trails. 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 skydiving, caving, whitewater rafting, camping, and sailing.



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.

Student Regulations

The Student Handbook 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 is a residential college and, as such, all students are required to live in College-owned housing, or, for members of Beta Theta Pi, Kappa Alpha, and Sigma Nu, in their privately-owned fraternity houses. *Exceptions to this policy may be made only for* students whose permanent residence is within commuting distance of the College, ninth semester seniors, student teachers doing their student teaching, students over 25 years of age, independent students, students with serious medical concerns (validation must be made with the Dean of Students), international students who require year-round housing accommodations, and part-time students. Exceptions must be requested of and approved by the Department of Student Life.
- All students (except commuters) are required to board in the College dining hall unless excused by the Department of Student Life. There are four 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 *Student Handbook*.
- 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.

Student Health Services

The Robert C. Byrd Health and Wellness Center is an on-campus facility which 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.

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, relational 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.

Office of Career Counseling and Placement

The Office of Career Counseling and Placement (OCCP) assists students and alumni in developing, evaluating, and initiating and implementing their career paths. Career counseling is provided and workshops are offered on such topics as developing resumes, writing cover letters, and preparing for interviews. The OCCP maintains a Career Resource Center which includes career planning literature, job announcements, material on internships, information about graduate and professional schools and graduate program pre-admission, registration, and informational bulletins. The office coordinates a graduate school fair each fall and a job fair each spring. Credential service is available without charge to all students and alumni who register with the OCCP.

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, St. Vincent, Thiel, Thomas More, Washington & Jefferson, Waynesburg, and Westminster. Men's teams compete in baseball, basketball, cross country, football, golf, 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.

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, whitewater rafting, and skydiving 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 new fitness center in Cummins Community Center allows students 24-hour access to state-of-the-art training equipment.

College Facilities

Facilities and Resources

Substantial resources are invested in the education of Bethany students. The gross assets of the College on June 30, 2008, totaled \$98,126,598 at book value. Property, plant, and equipment at cost value were \$40,944,677. The market value of all endowment funds was \$46,807,050.

Buildings

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

Benedum Commons (1969) is the dining facility for all Bethany students. In addition to the main dining room, the Ogden Room, the building houses Boomer's snack bar, lounge facilities, the book store, and several small dining rooms, including The Berkman Room (The Bethany Club), for special student and faculty events.



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. The Center is at the site of the former John J. Knight natatorium (1967).

Campbell Mansion (1793-1818-1840) is the restored home of Bethany's founder and first president, Alexander Campbell. Located 1/2 mile east of the campus, the mansion was designated a National Historic Landmark by the Department of the Interior in 1994. It is open daily for tours from April 1 to October 30, and at other times by appointment through the Office of Historic Bethany.

Campbell Village (2000) is Bethany's newest student residence facility. A four-building complex, housing 380 students, Campbell Village was completed in the 2000-2001 academic year.

Centenostone (2002), often identified as one of the most interesting and overlooked historic places on campus, is located in front of Old Main. It was erected in 1941 to mark the one hundredth anniversary of Bethany's first college classes under the direction of Alexander Campbell, the College's founder and first president. In 2002, a brick walkway and decorative chain barrier were constructed around the area and plaques were installed identifying and explaining it and the smaller stones near it, which have been gathered from places of significance in the history of the College and the Christian Church (Disciples of Christ).

Christman Manor at Pendleton Heights (1841) was built during the College's first year by W.K. Pendleton, a member of the first faculty and second president of the College. Pendleton Heights is listed in the National Register of Historic Places. In the fall of 2008, the residence was christened **Christman Manor at Pendleton Heights**.

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. Named in honor of two presidents of the College, Thomas E. Cramblet and his son, Wilbur Haverfield Cramblet, it is now the home of the McCann Learning Center.

Erickson Alumni Center (1992) houses Bethany's Alumni Relations Office, Development Office, Church Relations Office, and Public Information and Publications Office, as well as an Alumni Council Room, the Wilkin Parlor, and the Martin Guest Rooms. Originally part of the McLean-McEachern residence complex, it was completely reconstructed as the result of the gift of Charles O. Erickson, a West Virginia philanthropist whose generosity made possible the creation of alumni centers at colleges and universities throughout West Virginia.

Gresham Inn at Mountainside (1972) is a full-service hotel with 40 newly remodeled guest rooms. Each room has Ethernet and phone line data ports. The Inn is named for Dr. Perry Gresham, Bethany's twelfth president, and his wife, Aleece.

Harder Hall Dining Room (1981) is the conference center dining facility. It adjoins Gresham Inn, the guest facility. Besides serving meals to conference attendees, it is the site of wedding receptions, and anniversary, graduation, and birthday parties. It honors Delmar C. Harder, a pioneer in automation in the American auto industry.

The Hibernia - Renner Visiting Scholars Residence (1836), located on Main Street across from the Old Meeting House, was built by Alexander Campbell. Hibernia, Latin for Ireland, is the name of the ship on which Campbell and other members of his family sailed for America from Ireland in 1808. Campbell used the basement of this house as a printing shop. Later, the house served as an inn for the growing town. For many years, students lived in The Hibernia. Additionally, it has served as the home to two Presidents and Vice-presidents of Bethany College. Beginning in the fall of 2008, the primary purpose of the house will be to serve as home to the Renner Visiting Scholar.

Hummel Field House (1990) provides physical education facilities for men and women. It is also used for concerts. 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. A new floor and bleachers were added in the Nutting Gymnasium in 2002.

Grace Phillips Johnson Visual Arts Center (1984) offers facilities for computer graphics, 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). Complete renovation accomplished during 1983-1984 makes this an outstanding facility for instruction in the visual arts.



Thomas Phillips Johnson Recreation Center (1994) is located adjacent to the Hummel Field House. The Center includes the natatorium, 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.

Judith R. Hurl Education Center (2008), formerly the Bethany Public School (1924). The Center opened in the fall semester of 2008, The Judith R. Hurl Education Center houses state-of-the-art classrooms, Education Department offices, and a day care center.

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.

Mountainside Conference Center (1972) is a newly renovated meeting facility with offices, seminar rooms, exhibition areas, and a 100-seat circular conference room. All rooms are equipped with internet connections. Each year the Center hosts conferences, seminars, and workshops. The center is accredited by the International Association of Conference Centers (IACC).

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.

Pegasus Farm Equestrian Center (2008) is located four 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.



T. W. Phillips Memorial Library (1959) is the primary center for information technology including library services and resources, campus technology services, and Archives and Special Collections.

Renner Union-Bethany House (1948) is the student union. Here are found the Student Services Office, campus radio station, music listening rooms, a spacious lounge and art gallery, and the Admission Office. The alumni joined in 1969 with the R.R. Renner family of Cleveland, Ohio, to remodel this facility.

Renner Visitors' Center (2002), located adjacent to the Campbell Mansion, is an information and hospitality center which houses the offices of Historic Bethany.

Richardson Hall of Science (1964) provides contemporary facilities for the chemistry, physics, and mathematics departments and two computer labs. 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

Faculty

Albert R. Buckelew, Jr. *Professor of Biology; Chair*

John T. Burns. *Professor of Biology*

William T. Hicks. *Associate Professor of Biology*

Amanda B. Stewart. *Assistant Professor of Biology and Director of Equine Studies*

Program Goals

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

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, and those listed below. All students majoring in Biology must also complete PHYS 201, 202; CHEM 111, 112, 221, and 222; and one of the three following tracks:

Biology Track: BIOL 326; two courses from BIOL 341, 343, 351, 425; one course from BIOL 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, 110, 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.

German or French is recommended for those students preparing for graduate school. A semester of calculus is highly recommended. Statistics is recommended for students preparing for graduate work in ecology, wildlife biology, genetics, and certain other fields. Students with a special interest in botany should elect BIOL 338 as the course from BIOL 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

Botany: BIOL 100, 108, 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.

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 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 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. (This course may be taken for credit as PHED 168.) *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. (This course may be taken for credit as PHED 169.) *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. *Prerequisites: CHEM 112, 221.*
- 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 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 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 including equilibrium processes. Applications of physical concepts to systems of biological interest are emphasized. A study of the rate processes including enzyme mechanisms in the liquid phase is included. (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 3 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 111, 222.*
- 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 and present a writing portfolio and 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.

Communication

Faculty

Patrick J. Sutherland. *Professor of Communication; General Manager of WVBC; Chair*

Jay A. Libby. *Assistant Professor of Communication*

Stephanie Tuszynski. *Assistant Professor of Communication*

Program Goals

The Communication program 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 research.
- Demonstrate a proficiency in invention, construction, and delivery of oral and written communication.
- 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 majors are expected to complete 48 credits of departmental course study. All students majoring in the department are required to complete the following courses: COMM 101, 102, 104, 105, 201, 306, 311, 403, 420, and 490. In addition, all majors must complete 6 credits in courses offered by the English program exclusive of ENGL 111, and one of the following courses offered by the Economics and Business Department: ECON 163, ECON 290, or ACCT 202.

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

Advertising: COMM 203, 205, 412.

Digital Media and Journalism: COMM 200, 218, 310.

Graphics: COMM 205, 315, 408.

Public Relations: COMM 202, 204, 412.

Requirements for Minor

COMM 101, 102, 104, 105, and six credits from COMM 200, 201, 203, 204, 205, 206, 208, 218, 228, 303, 308, 311, 314, 318, 344, 345, 403, 409, 410.

Courses

COMM 101 Introduction to Mass Communication 3 credits

This course examines aspects of the impact of new technologies on the creation of the "Information Society." The course also considers the history and theory of mass communication, including newspapers, magazines, radio, television, books, movies, and adjunct agencies in modern society, and their effects on audiences.

COMM 102 Human Communication 3 credits

This course is an introduction to the analysis of human relationships. The processes by which perceptions are created, expressed, and influence interpersonal relationships are examined. Emphasis is on identifying and controlling the use of language and non-verbal modes of communication within a wide range of contexts.

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 105 Digital Skills and Information Gathering 3 credits

This course teaches basic digital production skills in audio and video editing, personal digital assistants technology (such as iPhones), photo publishing software, and basic Web Design. Students learn to conduct searches for information, to evaluate a variety of sources, to take effective notes, to prepare and conduct interviews, and to convey the meaning of verbal and written forms appropriately. Students will have interactive experiences with digital hardware and software in laboratory sessions to be held in campus media locations.

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.

- 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. *Prerequisite: COMM 105.*
- COMM 202 Copy Editing** **3 credits**
The course focuses on the principles and practice of editing for publications. Emphasis is on editing for correct grammar, punctuation, and style. Students also learn the basics of proofreading, headline writing, and caption writing. *Prerequisite: COMM 201.*
- COMM 203 Principles of Advertising** **3 credits**
This course is a study of advertising history, principles, processes, rules, and effects. Also included is an overview of advertising's place in integrated marketing communication and the analysis of advertising agency structures, tasks, and responsibilities. Emphasis is on media planning and buying, promotions, regulatory requirements, and copywriting for the print and broadcast media. (This course may be taken for credit as BUSA 203.)
- COMM 204 Principles of Public Relations** **3 credits**
This course provides students with a practical understanding of public relations and the role it plays in everyday society. Students are introduced to various types of public relations opportunities in industry and in non-profit organizations. The course centers on public relations as a process and involves fact-finding and research, planning and programming, communication and action, and evaluation. Included are examinations of public relations case studies through group interaction and problem solving. (This course may be taken for credit as BUSA 204.)
- 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** **3 credits**
This course is an introduction to the dynamics of speaking in front of large audiences and includes the uses of vocal qualities, non-verbal signals, language, logical and emotional arguments, and the delivery of short speeches.
- COMM 208 Principles of Broadcasting and New Media** **3 credits**
This course provides the student with basic knowledge of broadcasting and new media's histories, structures, processes, and practices and the effects on both individuals and society. Included is an overview of seminal theories such as cultivation, diffusion of innovations, and uses and gratifications. The course also provides an overview of sales and advertising aspects of the media business, including ratings and promotional activities, governmental controls and self-regulation, ethical considerations, global characteristics, and technological advances.
- COMM 211 The Documentary Tradition** **3 credits**
This course examines the documentary film tradition of Europe and North America, including works of Robert Flaherty, Leni Riefenstahl, Pare Lorentz, Alain Resnais, Richard Leacock, Robert Gardner, Frederick Wiseman, Peter Davis, and Michael Moore. Students study, analyze, and write about essential theories and issues related to the documentary, including objectivity, audience, social activism, and characteristics distinguishing the documentary from photography, journalism, and history.
- COMM 218 Digital Production** **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. To a lesser extent, students are provided a primer on digital software used for print based mediums which includes limited study of speech personality variables, as well as practice in basic announcing, interviewing, microphone and camera performance techniques.
- COMM 228 Video Animation** **3 credits**
In this course students study video animation with computer tools employed by video professionals. Emphasis is on the basic aspects of video animation and the application of graphic design principles. Each student in the course produces a video animation project.
- 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.
- COMM 304 Media Law** **3 credits**
This course is a study of the law as it pertains to the mass media. Specific topics include the First Amendment, libel and slander, privacy, and prior restraint. *Prerequisite: Junior or Senior status or permission of the instructor.*
- 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 Computer Graphics and Applied Design** **3 credits**
 This course is an examination of practical applications of graphics and communication design techniques as related to the computer and other technological aids. An additional course fee is required.
- COMM 308 Sight, Sound, and Motion** **3 credits**
 This course examines media aesthetics as used to examine how pictures, sounds, and motions communicate sense and meaning in contemporary electronic media, including radio, sound recordings, television, motion pictures, video games, and computer applications. Learning activities include spoken and written analysis and interpretation of sample works.
- COMM 309 Newspaper Reporting** **3 credits**
 This is a practical course designed to sharpen students' skills in writing print news. Emphasis is on the development and use of news sources and various reporting techniques. *Prerequisite: COMM 202.*
- 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, telephony, 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 314 Public Opinion** **3 credits**
 This course explores the complexity of issues of concern to individuals or groups which influence our daily lives and how information sources, styles, and channels help formulate public opinion on those issues. The influence of mass media and social relationships on how opinions change is also explored. *Prerequisite: Junior or Senior status or permission of the instructor.*
- COMM 315 Design Application** **3 credits**
 This course emphasizes problem-solving experiences as related to visual communication. The mechanics and psychology of two-dimensional and three-dimensional design are explored as a foundation for graphic designs. An additional course fee is required. *Prerequisite: COMM 205.*
- COMM 318 Telemedia Programming and Management** **3 credits**
 This course prepares students for a leadership career in the telemedia, including radio and television broadcasting, cable, corporate communications, computer applications, and the Internet. Topics include technological change, economics and ownership issues, programming and marketing strategies, organization and management, industry self-governance, government regulation, and ethics. Students undertake a project related to individual professional interests. *Prerequisite: COMM 208.*
- COMM 338 Surrealism and Cinema** **3 credits**
 This course is an examination of original texts of the surrealist movement, including the manifestoes of its self-proclaimed leader, André Breton. Surrealist concepts of mechanisms to promote creativity are investigated, such as dreams, automatic writing, the "exquisite corpse," the Freudian slip, and eroticism. Emphasis is on the surrealist influence on films such as *Andalusian Dog, Mechanical Ballet, Blood of the Poet, Beauty and the Beast, Fellini's Satyricon, Repulsion, Eraserhead, Brazil, Barton Fink, and Naked Lunch.*
- 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.
- 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 Journalism track of the Communication major. (This is an activity course with letter grades required for Communication 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 402 Semiotics 3 credits**
 This course is a study of semiotics (the science of signs) which focuses on how meaning is communicated by cultural artifacts. After studying its history and principal techniques, students apply semiotics to the interpretation of literature, art, and the mass media of their own and other cultures. Useful to all persons seeking understanding of communication in the modern world, especially writers, artists, dramatists, musicians, philosophers, historians, political scientists, and scholars of language, religion, and media. *Prerequisite: Junior or Senior status or permission of the instructor.*
- COMM 403 International Communication 3 credits**
 This course is a comparative study of media systems, including theory and practices in print and electronic media and advertising, public relations, and journalism education in Europe, Asia, Latin America, the Middle East, and Africa.
- COMM 408 Graphic Design Practice 3 credits**
 This course is a study of professional procedures, structures, communication functions, and processes as applied to areas of graphic design. An additional course fee is required. *Prerequisite: COMM 315.*
- 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 410 Desktop Publishing 3 credits**
 This course provides students with the practical experience of learning and using a variety of computer desktop publishing programs. Students develop and produce publications and presentations integrating text, art, and other graphic elements using layout and design software.
- COMM 411 Documenting Human Experiences 3 credits**
 In this course students produce their own documentary and share their relevant experiences in discussions.
- COMM 412 Integrated Marketing Communications Campaigns 3 credits**
 This course used 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. *Prerequisites: ECON 290. (Additional Prerequisites: For Advertising Track students, COMM 203 and COMM 205; For Public Relations Track students, COMM 202 and COMM 204.)*
- COMM 420 Professional Internship 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 160 hours in the experience is required. Students generally take the course during the senior year. *Prerequisites: three on-campus media experiences, at least one in Print and one in Electronic Media; permission of the instructor. Advertising and Public Relations track students may earn one campus media experience working for the BISON Productions Agency. Details about prerequisites are available from the Department of Communication.*
- 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 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 Department of Communication. *Prerequisite: COMM 306.*

Economics and Business

Faculty

W. Randolph Cooley. *Professor of Economics and Business in the John F. and Evelyn Casey Steen Professorship in Economics; Chair*
Wilfrid W. Csaplar, Jr. *Associate Professor of Economics and Business*
Anju Ramjee. *Professor of Economics and Business*
Virgil G. Thompson. *Assistant Professor of Accounting*

Program Goals

Business Administration and Economics Program Goals

For the Business Administration major and the three tracks in the Economics major the goal of the department 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:

- Organizing data in a logical, goal oriented or problem solving manner
- Analyzing implicit and explicit elements of a problem using deductive reasoning by identifying the relationship of the variables involved
- Apply theoretical knowledge (marginal decision analysis) to practical problem solving
- Thinking logically about data and its application to problem solving
- Developing more efficient solutions for current problems and new solutions for future problems

Accounting Program Goals

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

- To teach the application of generally accepted accounting principles to interpret and use financial and management data.
- To prepare students for careers in accounting and to prepare students to do work in a graduate accounting program.
- To develop the ability to communicate financial and managerial results using numbers.
- To prepare students to relate accounting information to critical economic and financial analysis.
- To teach the application of generally accepted auditing standards and auditing theory.
- To teach the application of tax law and ability to prepare personal income tax returns.
- To teach the application of business law and ethical principles used in the business environment.
- To teach and provide accounting students with oral and written communication and presentation skills

Requirements for Majors

All majors in the department are required to complete the following courses: ECON 162, 163, 302; ACCT 202, 203; and MATH 201 or 205, 281, 282. Students considering a major in the Department should complete all of the 200-level courses listed above by the end of the sophomore year.

Economics

In addition to the courses required of all departmental majors, students majoring in Economics are required to complete one of three tracks:

Managerial Economics: ACCT 222 or ECON 222; ECON 280, 290, 301, 304, 312, 332, 350, 477; PSYC 287, ECON 287, or BUSA 287; and a Senior Project in Economics.

International Economics: ACCT 222 or ECON 222; ECON 260, 270, 301, 304, 360, 365, 371, 477; POLS 243, 351 or 352; and a Senior Project in Economics.

Financial Economics: ACCT 222 or ECON 222; ECON 301, 304, 312, 316, 325, 350, 371, 477; ACCT 425; and a Senior Project in Economics.

Business Administration

In addition to the courses required for all department majors, students majoring in Business Administration are required to complete ECON 280, 301, and 304; BUSA 222, 287, 290, 312, 332, 350, 477, and 490; and ACCT 425.

Accounting

In addition to the courses required of all departmental majors, students majoring in Accounting are required to complete ACCT 222, 312, 313, 314, 332, 350, 361, 425, 435, 478; ECON 280, 290, and 350; PSYC 287, ECON 287, or BUSA 287; and a Senior Project in Accounting.

The American Institute of Certified Public Accountants requires that all candidates sitting for the CPA examination have completed 150 credits of course work. The major in accounting allows students to complete a substantial portion of this requirement in an undergraduate program. To be eligible to sit for the CPA examination, students must complete additional course work or pursue a master's degree program.

Requirements for Minors

Economics: ECON 162, 163, 222, 301, 302, 304; MATH 201 or 205, 281, 282.

Accounting: ACCT 202, 203, 350, 425; ECON 163, 222; MATH 281, 282.

Management: ECON 163, 222, 280; ACCT 202; MATH 281, 282, or 383 or PSYC 205, MATH 282 or 384; PSYC or ECON 287.

Business Administration: ECON 162, 163, 222; ACCT 202, 203; BUSA 287, 290, 312. (*Math 281 is a Prerequisite for ECON 222.*)

Economics Courses

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.

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.

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. *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 270 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 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 BUSA 287.)

ECON 290 Principles of Marketing 3 credits
Principles of Marketing 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 concept of product development, the psychology of consumer behavior, the mix of intermediate channel members, and the role of promotion and pricing. (This course may be taken for credit as BUSA 290.)

ECON 301 Intermediate Price Theory 3 credits
Intermediate Price Theory is a study of consumer behavior, demand analysis, market development, output determination, cost analysis, and pure and imperfect competition. The course includes exposure to mathematical constructs. *Prerequisites: ECON 163 and either MATH 201 or 205.*

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 Price Theory 3 credits
Advanced Price Theory is a study of general equilibrium and welfare economic analysis, resource pricing, price discrimination, information and time, external costs and benefits, public goods, transportation, and microeconomic foundations of aggregate demand and supply. This course also includes exposure to appropriate mathematical constructs. *Prerequisite: ECON 301.*

ECON 312 Financial Management 3 credits
Financial Management 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. (This course may be taken for credit as ACCT 312 or as BUSA 312.) *Prerequisites: ACCT 202, 203, and ACCT 222 or ECON 222.*

ECON 316 Money and Banking 3 credits
Money and Banking 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; ACCT 222 or ECON 222; MATH 281.*

ECON 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 222 or ECON 222; ACCT 202; MATH 281 or permission of the instructor.*

ECON 332 Business Law 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 ACCT 332 or as BUSA 332.)

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 365 Open Economy Macroeconomics 3 credits
Open Economy Macroeconomics is an examination of the macroeconomic implications of economic systems that are open to international trade. Emphasis is on building the fundamental macroeconomic model with international trade as an integral element. The political implications of open economy economic policies are also explored. *Prerequisite or corequisite: ECON 302.*

ECON 371 International Finance 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: ECON 162, 163, and ACCT 222 or ECON 222.*

ECON 477 Senior Seminar 3 credits
The Senior Seminar in Economics is a review of economic analysis with some attention to its historical development. In the course students gain command of the research methods characteristic of contemporary economics and their incorporation in the preparation of written reports in economics. *Prerequisite: Calculus and Senior standing in Economics 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.

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 222 Research Methods in Accounting 3 credits
This course is an introduction to elementary research methods in accounting. Emphasis is on using spreadsheets to prepare quantitative research projects in accounting. The course includes instruction in the use of microcomputers in economics and business and in writing quantitative reports in accounting. *Prerequisites: ECON 163 and MATH 281 or 383 or PSYC 205. Prerequisite or corequisite MATH 282 or 384.*

ACCT 312 Financial Management 3 credits
Financial Management is an exploration of corporate organizations and of 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. (This course may be taken for credit as ECON 312 or as BUSA 312.) *Prerequisites: ACCT 202 and 203.*

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 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 ECON 332 or BUSA 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 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 Senior Seminar 3 credits
The Senior 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 Introduction to Peachtree Accounting 1 credit
This course is an introduction to Peachtree Accounting software used in the accounting profession.

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 Chair of the Department of Economics and Business.

Business Courses

BUSA 203 Principles of Advertising 3 credits
This course is a study of advertising history, principles, processes, rules, and effects. Also included in the course is an overview of advertising's place in integrated marketing communications and the analysis of advertising agency structures, tasks, and responsibilities. Emphasis is on media planning and buying, promotions, regulatory requirements, and copywriting for print and broadcast media. (This course may be taken for credit as COMM 203.)

BUSA 204 Principles of Public Relations 3 credits
This course provides students with a practical understanding of public relations and the role it plays in everyday society. Students are introduced to various types of public relations opportunities in industry and in non-profit organizations. The course centers on public relations as a process and involves fact-finding and research, planning and programming, communications and actions, and evaluation. Included are examinations of public relations case studies through group interaction and problem solving. (This course may be take for credit as COMM 204.)

BUSA 222 Research Methods 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. (This course may be taken for credit as ECON 222 or ACCT 222.) *Prerequisites: ECON 163 and MATH 281 or 383 or PSYC 205. Prerequisite or corequisite: MATH 282 or 384.*

- BUSA 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 ECON 287.)
- BUSA 290 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. (This course may be taken for credit as ECON 290.)
- BUSA 312 Financial Management 3 credits**
 Financial Management is an exploration of corporate organizations and the planning of their financial requirements. The course includes an intensive study of cash flow, ration analysis, budgeting, capital decision making, external financing, and corporate failure and reorganization. (This course may be taken for credit as ECON 312 or ACCT 312.) *Prerequisites: ACCT 202, 203, and ACCT 222 or ECON 222.*
- BUSA 332 Business Law 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 ECON 222 or ACCT 222.)
- BUSA 350 Business Cycles and Forecasting 3 credits**
 This course 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 forecast. *Prerequisites: ECON 302 and MATH 282.*
- BUSA 477 Senior Seminar 3 credits**
 The Senior Seminar in Business is a review of business practices and policies with respect to the goal of achieving an efficient model for for-profit and non-profit organizations. In the course students gain an integrated insight in the various business disciplines as applied to contemporary business problems and issues. This course also includes focused writing instruction for the preparation of business reports. *Prerequisite: Senior standing in the department or permission of the instructor.*
- BUSA 487-48 Independent Study 3 credits**
- BUSA 490 Senior Project 3 credits**
 The Senior Project is open only to students majoring in Business Administration. Students prepare and present a senior project. The topic of the senior project must be selected during the first semester of the senior year and must be approved by the department chair.

Education

Faculty

Janice Garrison Shepherd. *Assistant Professor of Education*
 Lisa J. Hicks. *Assistant Professor of Education*
 Richard T. Rushton. *Assistant Professor of Education*
 Christina M. Sampson. *Assistant Professor of Education*
 Laurel Tangen-Foster. *Assistant Professor of Education*
 Traci Tuttle. *Assistant Professor of Education*

Programs

The Education Program offers:

- Majors in
 - Elementary Education Grades K-6
 - Middle Childhood Education Grades 5-9
 - Psychology and Education (Interdisciplinary)
 - Social Studies (Interdisciplinary)
- Minors in
 - Multi-categorical Special Education K-6 or 5-Adult
 - Secondary Education
 - (Art, Biology, Chemistry, English, French, German, Mathematics, Physical Education, Social Studies, Spanish)
- Endorsements in
 - Autism
 - Reading

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, French, General Science, German, Language Arts, Mathematics, Physical Education, Physics, Social Studies, and 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 National Council for Accreditation of Teacher Education (NCATE). 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, 490; FINA 125; MATH 103 (or higher), MATH 250, MATH 252 (or higher); RDNG 215, 347; SOCI 210; SPED 207, 208.

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: Elementary K-6 candidates interested in grades 5-9 certification must complete the Middle Childhood Education 5-9 program in one field selected from English, French, General Science, German, Mathematics, Physical Education, Social Studies, or Spanish.

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

Middle Childhood Education (5-9): A candidate seeking certification to teach in middle childhood settings (Middle School and Junior High School) must complete specific Professional Education requirements stated in advising materials located in the Department of Education.

Note: Candidates interested in grades 5-9 certification only must complete the Middle Childhood Education 5-9 program in two fields selected from English, French, General Science, German, Mathematics, Physical Education, Social Studies, and Spanish.

Requirements for Interdisciplinary Majors in Social Studies and in Psychology and Education

The Department administers the faculty-initiated interdisciplinary major in Social Studies and cooperates with the Psychology Department in administering the faculty-initiated interdisciplinary major in Psychology and Education. Requirements for these majors 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 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.

Secondary Education: EDUC 203, 242, 282, 295, 348, 426, 427, 445, 470, 472; PSYC 100; SOCI 210. Secondary Education Teaching fields include Art, Biology, Chemistry, English, French, General Science, German, Mathematics, Physical Education, 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.

Education Program

Typically, Human Development (EDUC 203) is taken during the first semester of the freshmen year. Candidates must earn a B- or higher in this course to advance to Professional Principles (EDUC 242) course. During Professional Principles, the application to the Education Program is reviewed with candidates. Candidates must be formally admitted to the Education Program during the junior year to register for Classroom Discipline and Instruction (EDUC 348).

Application forms are available in the Department Office and on the Education Department website. To be admitted to the program, the following criteria must be met:

- Grade Point Average 2.50 overall and in Education courses
- Two positive letters of recommendations from faculty of Bethany College outside the Education Program
- Successful completion of PRAXIS I-PSST (Reading, Writing, and Math) with passing West Virginia scores
- Successful completion of EDUC 295 (Multi-Cultural Field Experience)
- West Virginia Criminal Background Check results submitted to Department
- Positive review of Professional Dispositions conducted by Education faculty in Human Development (EDUC 203), Professional Principles (EDCU 242), and Exceptionalities and Diversities (SPED 207)

A candidate may be granted full admission, granted provisional admission, or denied admission. Appeal of the decision can be made through the Education Department Chair to the Teacher Preparation Committee.

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

Field Experiences and Student Teaching Semester: Beginning in Professional Principles (EDUC 242), typically taken during the freshmen 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 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. 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:

- grade-point average of 2.50 overall, in education, and in the area(s) of certification.
- successful completion of the PRAXIS I-PPST and PRAXIS II-Content subject Area Test and PRAXIS II-Principles of Learning Test
- 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 Unit 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 National Council for the Accreditation of Teacher Education (NCATE), 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 2005-2010.

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 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.
- 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 300-309 Issues in Education 3 credits**
 These courses examine special topics in Education for majors and non-majors.
- EDUC 300 Juveniles, Law, and School 3 credits**
 This course is a review of the social and legal status of juveniles from 1899 to the present. Law libraries, Supreme Court decisions, juvenile authorities, detention centers, and school and college authorities serve as sources of information on the basic concept of justice as it applies to juveniles in this country.
- EDUC 309 Educational Ethnography: Field Research in the Schools 3 credits**
 This course is an investigation of the process of employing direct observation to construct a theory of the functioning of a particular culture (i.e., schools). Students study the theoretical base, rationale, and methodology used in collecting and analyzing data through the ethnographic approach.
- 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. Various instructional strategies for supporting the development of children's literacy are explored, including phonemic awareness, phonics, and decoding skills. Children's literature appropriate for students in the elementary school is studied extensively. A classroom placement is an important part of the course. *Prerequisite: EDUC 242.*
- 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 self-directed decision maker model. A required field placement provides the opportunity for reflection and the application of theory to practice. *Prerequisites: EDUC 242; a passing score on PPST-PRAXIS I; admission to teacher education.*
- 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. *Prerequisite: EDUC 242.*
- 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.
- 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. *Prerequisite: EDUC 242.*
- 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. *Prerequisite: EDUC 242.*
- 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. *Prerequisite: EDUC 242.*
- 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 Interstate New Teachers Assessment and Support Consortium (INTASC).
- 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.
- 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**

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. Students are required to participate in a field placement.
- 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 field placement is required.
- 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, and other developmental delays. Specific instructional program features and the various origins and interventions of autism are emphasized.
- 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 field placement is required. *Prerequisites: SPED 207 and SPED 212.*
- SPED 320 Assessment and Methods in Special Education I 3 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 field placement is required. *Prerequisite: SPED 207.*

SPED 330 Assessment and Methods in Special Education II 3 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 field placement is required. *Prerequisite: SPED 207.*

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 330.*

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. This course may be taken only on a credit/no credit basis.

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 provides students with the foundations necessary for teaching children to read and learn through reading. It emphasizes the role of literature in literacy development and learning across the curriculum from K-12. Students learn to identify the stages in reading development, to select appropriate literary texts for diverse learners at each stage, to analyze adolescent and children's literary texts, and to assess the developing literacy and language development of learners.

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 field placement component is required. *Prerequisites: EDUC 346*

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.

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.

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 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
- provide students with an interdisciplinary introduction of important issues, methodologies, and texts in the arts and humanities

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.

SEC. A Bethany College History: The Truth?

This seminar engages students in basic research into the history of Bethany College. Students search through the College archives (examining old newspapers, letters, minutes of meetings, yearbooks, etc.), engage in interviews, and read existing histories of the College. In the process they encounter fundamental issues of historical research and writing. As the capstone experience of the seminar, students engage in primary research on a prominent Bethanian, develop a fictional persona, and create an interaction between the two. (*Gary H. Kappel, Professor of History*)

SEC. B Country Roads

This seminar examines the daily customs, folklore, and historical events unique to Appalachia, primarily through music, crafts, and stories. Sessions include lectures, research activities, field trips, film study, and guest artisans. All presentations, discussions, and assignments are designed to promote better understanding and appreciation of this region while writing, reading, and research skills are brought to the appropriate college level. (*Laura L. Cramblet, Coordinator of Library Technical Services*)

SEC. C Exploring Frontiers in the Health Sciences.

This seminar is an exploration of current topics in the health sciences. These include diagnostic methods, mainstream and alternative treatments, ethical issues, and the mind-body interactions for healing. The course does include a short overview of the history of several health fields. (*Robert Paysen, The Goulding-Woolery Professorship in Chemistry and Chair of the Department of Physical Science*).

SEC. D Happiness 101: Philosophies of Happiness

This seminar is an attempt to identify, describe and implement habits of body and mind that can lead to increased happiness. Using Tal Ben-Sharar's *Happier* as a starting point, students will identify through critical thought, reading and writing, a personal practice of eudemonia. Student will also read Barry Schwarz's *The Paradox of Choice* in addition to researching the topic of happiness from the standpoint of eminent thinkers of the student's choosing. (*Luke L. Hardt, Associate Professor of Theater*)

SEC. E I'm in Charge!

Feel like things are always happening TO you? Instead of complaining, why don't you take a stand?! You CAN control your education, social life, and the world in which you live. You simply need the right tools and know-how. By interacting with a variety of media and experiences, the students in this class will strengthen their abilities to advocate for justice in education, society, and the world at large. (*Traci Tuttle, Assistant Professor of Education and Coordinator of the Program for Academic and Social Success; and Heather Taylor, Coordinator of the Writing Center*)

SEC. F Sports Information and Broadcasting

This is a course for those who show an interest in sports and sports broadcasting. The course will integrate writing, copying, and production skills with varsity sports at Bethany College. We will use historical research, as well as written and oral exercises. Actual game day broadcasts on radio/TV or web will be communicative outcomes of this seminar. (*Jay Libby, Assistant Professor of Communication*)

SEC. G Leadership: What is It Really About?

This seminar is a study of leadership styles, the development of practical leadership skills, and the application of leadership skills within organizations (primarily within student organizations at the college level) and the community. Classes include discussions and individual and group experiential activities which focus on such topics as communication, motivation, ethics, and community service. (*Kosmas M. Mouratidis, Assistant Professor of Physical Education*)

SEC. H Living on the Fringe

This seminar will focus on the lives of people with disabilities throughout history. Through an examination of films, speakers, readings about and by people with disabilities, and service learning, members of this seminar will be given the opportunity to understand and appreciate the capabilities of this marginalized group in our society. (*Christina M. Sampson, Assistant Professor of Education*)

SEC. I MyNews.com: News Literacy

This seminar will help students to become more discriminating news consumers. Topics covered include a limited historical overview of journalism and its practices in the United States and how to recognize differences between news and propaganda, news and opinion, assertion and verification, and evidence and inference in news articles and broadcast/internet news reports. Students will study how the journalistic process works and how professional journalists make decisions. The effects of emerging technologies and innovations such as Web 2.0 features, cell phones, texting, and blogging on the news industry will also be examined. (*Patrick Sutherland, Professor of Communications, General Manager of WVBC Radio and Chair of the Department of Communication*)

SEC. J Politics and Slavery

This seminar introduces students to the problems of political ethics by examining the debate over slavery before the Civil War. Political ethics involves the recognition that goods often conflict, such as peace and justice, freedom and security, or, in the case of slavery, morality, the Constitution, and political, economic and social stability. Our discussion will begin with Jefferson, continue with the abolitionist writings during the 1830s, and examine a variety of writings from

the 1850s debate. The full range of positions includes pacifists, advocates of violence, slave owners opposed to slavery and pro-slavery apologists from both the South and Free States. The course will conclude with a close examination of Lincoln's remarkable "solution" to the slavery question, which attempted to balance all the constitutional, practical and moral values in conflict. (*Marc Sable, Assistant Professor in Political Science and Director of International Studies*)

SEC. K Science vs. Pseudoscience

This seminar is an exploration of the wide variety of phenomena that are at the borderline of mainstream science and the sometimes outrageous claims of the popular and tabloid press. In the seminar, students learn to decide for themselves which claims merit further study and which are too ridiculous to believe. Phrenology, homeopathic medicine, spirits, UFOs, water dowsing, psychokinesis, fortune telling, Big Foot, sea serpents, astrology, and spontaneous human combustion are the kinds of subjects investigated. Readings and videos provide the basis for discussions, essays, and an oral report. (*John Burns, Professor of Biology*)

SEC. L Sex, Drugs and Rock n Roll

The psychology of the rock n roll lifestyle is explored. Topics discussed include popular music lyrics and their effects on listeners, sexuality as a theme and potential danger in the rock n roll lifestyle, drug use and abuse, and body art as an expression of personal uniqueness. Students will be required to read and discuss a variety of scholarly and popular sources, attend a field trip to a local tattoo shop, and write a variety of papers pertaining to the topic. (*Katrina L. Cooper, Assistant Professor of Psychology and the Director of First-Year Experience*)

SEC. M Stress, Coping and Health

This seminar is intended to teach freshmen about the link between stress and mental as well as physical health. Initial discussions will focus on the effects of stress on anxiety, depression, cardiovascular function, and susceptibility to disease. After that, discussion will focus on ways to cope with stress. Coping techniques for everyday stresses will include humor, social support, exercise, and developing a positive self image. The seminar will also emphasize coping styles specific for the college experience including time management, open communication, conflict resolution, using on-campus resources, and developing effective studying techniques to deal with such issues as adjusting to college-level academics, dealing with separation from home, and adjusting to a new environment. Students will be graded on attendance, seminar participation, and weekly self-reflection papers. Any student is welcome to take this seminar, but the anxious student may benefit the most. (*Mark A. Affeltranger, Assistant Professor of Psychology and Chair of the Department of Psychology*)

SEC. N The Beatles and Popular Culture

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 L. Collaros, Assistant Professor of Music*)

SEC. O Who Am I Now?

Making changes can be exciting as well as frightening. The transition from high school to college can be one of the most significant changes in a person's life. It brings with it academic, social, and personal challenges associated with newfound freedom and additional responsibilities. In this seminar, students will explore their response to change and reflect on their adaptation to this new environment and lifestyle. Through an exploration of personality and temperament, students will assess their coping skills, involving decision-making, time management, grieving, and other related topics. Ultimately, students will identify how to X navigate successfully this transitional period, uncovering their potential as students and future leaders. (*Kathy Shelek-Furbee, Professor of Social Work*)

SEC. P Bond, James Bond

Shaken, not stirred, the coolest man who never lived, James Bond has a special place in Western mythology as the ultimate hero, making and surviving death traps and high-velocity explosions all over the world. Explore the films and short novels about the character who inspired both President John F. Kennedy and George Lucas: *Casino Royale*, *Diamonds are Forever*, *From Russia with Love*, *Dr. No*, *Goldfinger*, *On Her Majesty's Secret Service*, and short stories like *Quantum of Solace*. (*Elizabeth Hull, Dr. Robert L. Martin Chair in English Literature, Professor of English and Chair of the Department of Interdisciplinary Studies*)

FSEM 112 First-Year Engagement, First-Year Success: A Transition Course

1 credit

This course helps students to become engaged in college life beyond the classroom, provides a bridge from the high school experience to the Bethany experience, helps students become familiar with campus resources, leads students in the exploration of personality traits and learning styles that will improve their success inside and outside the classroom, guides them in the exploration of significant social issues, and helps them to understand developmental and social issues common to the first year of college life.

FSEM 113 The First-Year J-Term Experience

3 credits

Students enroll in a small topic driven seminar (generally students remain in their seminar group from first semester and continue to study with their seminar professor, although they may explore a new topic). The seminar allows students to learn deeply, rather than broadly, since this seminar will be the only course they take during January Term. Topics vary, but all seminars are designed enhance college-level reading, writing and research skills.

FSEM 114 Cultural Issues I—Arts and Humanities: “Our Bodies, Ourselves—Identity, Sexuality and Gender in the Arts and Humanities” 4 credits
 Students engage in an interdisciplinary exploration of issues surrounding identity, sexuality, and gender. Lectures are given twice a week to set specific agendas for the close “reading” of significant “texts.” Students assemble twice a week to think critically about these texts in small, guided, discussion groups.

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 086 Fundamentals of Reading (Summer Bridge) 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 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 112; CPSC 482; EDUC 428; 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 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 180 Equine Husbandry 3 credits
This course focuses on equine history, breeds, genetics, basic behaviors, and vices.

GENS 182 Equine Husbandry II 3 credits
This course is a continuation of Equine Husbandry I and covers additional aspects of equine care and business practices to include nutrition for performance horses, modern options for veterinary care, traditional treatments for veterinary care, advanced veterinary diagnostics, horse show production, marketing, publications, and secondary business outlets. *Prerequisite: GENS 180.*

GENS 183 Horse Management and Facility Design I 4 credits
This course is an introduction to key aspects involved in care and management of the horse with emphasis on the proper design of the facility, equipment, pasture, waste management, portfolios, legal issues, including contracts and liability, and professionalism.

GENS 184 Horse Management and Facility Design II 4 credits
This course is a continuation of GENS 183 Horse Management and Facility Design I with an emphasis on issues related to agricultural science and the environmental impact of stables. *Prerequisite: GENS 183.*

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 111.*

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 2 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 286 Equine Anatomy, Physiology, and Health** **3 credits**
 This course is a systems approach to the anatomical and physiological systems of the horse as related to common equine health concerns. *Prerequisites: GENS 180, BIOL 168 and 169.*
- GENS 290 Starting the Young Horse** **2 credits**
 The course is a laboratory focusing on the behavioral development of foals and yearlings. It includes approaches to training backing, imprinting, leading and handling, and ground-driving. Activities include three to four weekly sessions involving handling and starting young horses. *Prerequisite: GENS 180 and one course from PHED 180-196.*
- GENS 293 Training and Schooling** **2 credit**
 This course is a laboratory involving the theory of horsemanship and experiences with the proper methods, horse handling and tacking, equine behavior, and green horses for those in training and competition. *Prerequisites: GENS 180 and one course from PHED 180-196.*
- GENS 295 Farrier Science** **2 credits**
 This course emphasizes important theories and their applications in addressing common hoof problems. *Prerequisite: GENS 286.*
- GENS 352 Natural Philosophy** **3 credits**
 The course is an examination of changing ideas about the universe. Emphasis is placed upon the role of science as a social institution contributing to these changing beliefs. (This course may be taken for credit as PHIL 352.)
- 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 385 Equine Sports Medicine and Lameness** **3 credits**
 The course is a study of equine conditioning, cardiopulmonary problems, conformation and selection for various sports, associated lameness and injury, and available diagnostics and therapy. *Prerequisite: GENS 286 and 293.*
- GENS 470 Equine Reproduction** **3 credits**
 The course is an examination of breeding farm production, mare and stallion handling, artificial insemination, embryo transport, mare and foal care, breeding problems, record keeping, and sale preparation. This course includes a weekly laboratory focusing on observation of procedures associated with reproductive techniques. *Prerequisite: GENS 282 and GENS 286.*
- 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. *Prerequisite: 16 credits in one of the physical or life sciences or permission of the instructor.*

History & Political Science

Faculty

Clinton W. Maffett. *Professor of Political Science; Chair*
 Steven A. Carelli. *Assistant Professor of History*
 Gary H. Kappel. *Professor of History*
 Erich D. Lippman. *Assistant Professor of History*
 Marc B. Sable. *Assistant Professor of Political Science*

Program Goals

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.

History Program Goals

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

- Identify and employ key terminology and conventions specific to the discipline of history
- Understand the variety of ways by which ideas, institutions, and societies change over time
- Analyze particular aspects of these trends through critical reading of historical documents
- Create defensible interpretations of historical phenomena and articulate them in verbal and written form
- Compare and contrast different models of political, social, and cultural changes and continuities

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 understand 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 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 377; a Senior Project. Also required are three credits in Political Science 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 Major in Political Science

A minimum of 38 credits in courses in Political Science, including POLS 225, 243, one course from 361, 362, 363, 364, or 365, 370, 470, 477; 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 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 Minors

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

American Government and Politics: POLS 225 and six courses from 229, 303, 304, 320, 321, 322, 330, 334, 335, 337, 338, 363, 380, 381, 401.

International Relations: POLS 120, 243 and five courses from 244, 253, 325, 341, 351, 352, 364.

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.

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 297-298 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 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 The Rise and Fall of the Soviet Union 2 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, and the prospects for post-Soviet Russia.
- HIST 326 Latin America 3 credits**
 This course is a basic survey of modern Latin America. Following an introduction to the geography and history of the region, the course focuses on the art, modern literature, cinema, culture, sociology, politics, economy, and current conditions in Latin America.
- 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 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 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 353 The Birth of Modern America, 1877-1914 3 credits**
 This course examines the industrialization of the United States following the Civil War and the massive immigration and rapid industrialization that accompanied that process, as well as the various reform movements that arose in response to these developments. Other topics include the development of the West and the rise of the United States as a world power.
- 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 377 Historical Writings and Methods 4 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 418 History as the Novel, the Novel as History 2 credits
This course is an examination of the use of historical evidence as the background for a work of fiction and the relationship between the historian and the artist. Historical periods and works to be examined change regularly.

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.

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 304 Public Policy Analysis 3 credits
This course provides a study of policy issues of contemporary and historical interest and the mechanisms for making policy. Emphasis is on the dynamics of setting agendas, formulating and enacting policy, allocating resources, and evaluating programs. *Prerequisite: 3 credits in Political Science.*

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 330 Media and Politics 3 credits**
This course examines the ways in which media coverage influences the behavior of political actors and helps shape public attitudes toward public affairs. The class examines the role that technological changes in communication media have had upon politics. It focuses on the ways in which different media produce different types of behavior among elected officials and journalists and on the ways in which these differences shape public understanding of politics. *Prerequisite: Either POLS 225 or COMM 101.*
- 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*.
- 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.
- 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 364 International Relations Theory 3 credits**
This course is an examination of various theoretical explanations of how the international system functions and is evolving. Special emphasis is accorded to the study of realist, neo-realist, and post-realist theories.
- 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 381 Environmental Politics** **2 credits**
 This course is an introduction to the scientific study of environmental politics emphasizing the environmental problems of the tri-state area. Students are expected to learn both qualitative and quantitative methods for study of environmental politics. Major topics include governmental regulation of the environment, environmental interest groups, environmental justice, and environmental health.
- POLS 382 Human Rights Policy** **2 credits**
 This course examines human rights policy at the national and international levels. Discussion focuses on the philosophical, legal, and practical issues in enforcing human rights regimes as well as the role of diplomacy, trade sanctions, NGOs, and war crimes tribunals in effectively bringing about improvements in human rights.
- POLS 401 Constitutional Law** **4 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.) *Prerequisite: Previous study of the topic in a survey course or permission of the instructor.*
- 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.

Interdisciplinary Studies

Faculty

Elizabeth M. Hull. *Professor of English in the Dr. Robert L. Martin Chair in English Literature, Chair*

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.

Student-Initiated Interdisciplinary Majors

To initiate a major in Interdisciplinary Studies, a student must submit a formal proposal to the Chair 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 Chair 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 Chair of Interdisciplinary Studies and approval of the Faculty Committee on Interdisciplinary Studies. The Chair 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, 477; two courses selected from PSYC 324, 325, 326; EDUC 203; EDUC 242, 348, 401; EDUC 475 or PSYC 470; SOCI 150, 210; INTD 490.

Environmental Science

BIOL 100, 110 or 108, 180, 221, 228, 231, 326, 343, 378, 379; CHEM 111, 112, 221, and either 315 or 335, with 335 preferred; GENS 202, 220, 225; MATH 281 and 282, or PSYC 205 and 207; PHYS 103, or PHYS 201 and 202; INTD 490. Recommended electives; ACCT 220; BIOL 168, 169, 425; CHEM 324; ECON 163; GENS 204; INTD 201, 202; MATH 201; PHIL 124; POLS 253, 304, 320, 325; PSYC 287; SOCI 150.

Equine Studies

The following courses are required for all students: GENS 180, 286, INTD 490. In addition each student must complete the courses in one of the following tracks:

Equine Management: GENS 182, 183, 184, 290, 293, 380, 385, 470; 4 credits from PHED 180, 183, 184, 185, 186, 187, 188, 189, 190, 193, 194, 196, 197, and 198; 6 credits from BIOL 280, 291, PHED 191, 192, any 2 courses from PHED 180, 183, 184, 185, 186, 187, 188, 189, 190, 193, 194, 195, 196, 197, and 198; BIOL 168, 169; ECON 163, 222, 280, 287, 290; ACCT 202; MATH 281, 282

Pre-veterinary Medicine: BIOL 100, 108 or 180, 280, 290, 343; CHEM 111, 112, 221, 222, 351, 352; MATH 201, 281; PHYS 201, 202; 3 credits from GENS 293, PHED 180, 183, 184, 185, 186, 187, 188, 189, 190, 193, 194, 195, 196, 197, 198.

International Economics with Study Abroad

ACCT 202; ECON 162, 163, 222, 260, 301, 302, 304, 360, 365, 371, 477; MATH 201 or 205, 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.

International Relations

ECON 162, 163, 260, 270, 360; HIST 101, 102, 314; one course selected from INTD 202, 203, 204, 306; MATH 281; POLS 120, 243, 244, 325, 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 256, 283, 285, HIST 202, 355, POLS 225, 229, 334, 335, PSYC 250, SOWO 140, or THEA 335); INTD 490.

Social Studies

ECON 162 or 163; GENS 202; HIST 101-102, 201-202, 225; POLS 225; PSYC 100; SOCI 150, 210; at least 9 credits from 300-400 level history offerings and an additional three credits from either Economics or Political Science; INTD 490.

To be recommended for certification to teach Social Studies grades 5-12 a student must also complete 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.

Interdisciplinary Minors

Equine Studies: GENS 180, 183, 184, 286; at least 4 riding/driving courses are required. (BIOL 168 and 169 are prerequisites for GENS 286)

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 Chair 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 Chair of Interdisciplinary Studies), POLS 361, one 3-credit independent study on a relevant topic taken at Bethany (with prior approval of the Chair 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 Chair of Interdisciplinary Studies).

Women's Studies: Fifteen credits from the following courses: COMM 343, 346; ENGL 285, 320, 321, 434; INTD 204, 211; PSYC 210; RELS 101; SOCI 145; one 3-credit independent study in an appropriate subject taken at Bethany (with prior approval of the Chair of Interdisciplinary Studies); one 3-credit course focusing on a relevant subject not included in the Bethany curriculum transferred to Bethany from another college (with approval of the Chair of Interdisciplinary Studies).

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.

Senior Project: A student who wishes to do a Senior Project of more than two credits must have the project approved by the Chair of Interdisciplinary Studies on or before the last day of the final semester of the junior year.

Courses

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 301-302 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. (Scheduled for January Term 2009.)

INTD 487-488 Independent Study 2-4 credits

INTD 490 Senior Project 2-4 credits

Literature and Language

Faculty

R. Wiley Cash, Jr. *Assistant Professor of English*
Elizabeth M. Hull. *Professor of English in the Dr. Robert L. Martin Chair in English Literature*
Elizabeth Langemak. *Assistant Professor of English*
Joseph B. Lovano. *Professor of World Languages & Cultures*
Harald J. A. Menz. *Professor of World Languages & Cultures*
John R. Taylor. *Professor Emeritus of English*
J. Walton Turner, Jr. *Associate Professor of English; Director of Writing*

Program Goals

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

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 Major in English

The following courses are required for all students: ENGL 156, 245, 246, 255, 256, 477, 490; one other course in American literature; one other course in either British or European literature. (The European literature course may be selected from courses offered by the World Languages and Cultures Department.)

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

Creative Writing: Required are ENGL 240; twelve additional credits chosen from any of the following courses: ENGL 311, 312, 313, 411, 412, 413.

Education: Required are ENGL 111, 160, 200, 240, 267; THEA 120; WLAC or ENGL 370; ENGL 379; EDUC or ENGL 480; EDUC or ENGL 483. 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 English courses are prerequisite to student teaching: ENGL 379, 480, 483.*

Literature: Required are twelve additional credits in specialized and/or advanced courses offered by the English Department; INTD 251, 252, 253. (Participation in an approved study abroad program may be substituted for INTD 251 or 252 or 253.) Recommended is a minor related to the student's special interests or vocational plans.

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

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

Requirements for a Major in French*, German*, or Spanish

A minimum of 27 credits in the language of the major (not including FREN 110, 120, 130; GRMN 110, 120, 130; SPAN 110, 120, 130) plus WLAC or ENGL 370, and a Senior Project. Required are at least one conversation course (220 or 221), and three of the following courses: 320, 321, 420, 421. However, students are encouraged to take all four of these courses, the contents of which will be included in the senior comprehensive examination. Students are also required to take two of the three interdisciplinary Origins of Western Thought courses (INTD 251, 252, 253). All students are required to spend a minimum of one semester studying in a country where the language of the major is spoken. To that end, Bethany maintains programs in Paris, Heidelberg, and Pamplona. Students planning to teach a world language must complete WLAC 480 and 481.

Majors in World Languages & Cultures should consider developing a strong second field in an area related to career goals and acquiring a working knowledge of an additional world language.

Requirements for Teaching Certification

French: Only students who have completed the following courses will be recommended for state certification to teach French: FREN 110, 120, 130, 220 or 221, and at least three of the following four courses: 320, 321, 420, 421, plus three additional semester credits in French courses; 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* and on the department's website or in the resource area in the College's courseware solution. *The following are prerequisite to student teaching: WLAC or EDUC 480; WLAC 481; and a minimum level of Advanced Low in the ACTFL Oral Proficiency Interview.*

German: Only students who have completed the following courses will be recommended for state certification to teach German: GRMN 110, 120, 130, 220 or 221, and at least three of the following four courses: 320, 321, 420, 421, plus three additional semester credits in German courses; 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* and on the department's website or in the resource area in the College's courseware solution. *The following are prerequisite to student teaching: WLAC or EDUC 480; WLAC 481; and a minimum level of Advanced Low in the ACTFL Oral Proficiency Interview.*

Spanish: Only students who have completed the following courses will be recommended for state certification to teach Spanish: SPAN 110, 120, 130, 220 or 221, and at least three of the following four courses: 320, 321, 420, 421, plus three additional semester credits in Spanish courses; 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* and on the department's website or in the resource area in the College's courseware solution. *The following are prerequisite to student teaching: WLAC or EDUC 480; WLAC 481; and a minimum level of Advanced Low in the ACTFL Oral Proficiency Interview.*

Requirements for Minors

American Literature: ENGL 156, 255, 256, 365, one specialized course in American Literature, six additional credits in English courses devoted to American writing.

British Literature: ENGL 156, 245, 246, 360, one specialized course in British Literature, six additional credits in English courses devoted to British writing. English 270 is strongly recommended.

Creative Writing: ENGL 156, 240; two courses selected from ENGL 311, 312, or 313; one additional course selected from ENGL 411, 412, 413.

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.

For each of the minors in World Languages & Cultures, 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, either 420 or 421. (*Study abroad may replace either GRMN 220 or 221.*)

Spanish: SPAN 220, 221, either 320 or 321, either 420 or 421. (*Study abroad may replace either SPAN 220 or 221.*)

**The French and German majors will be discontinued at the end of the 2011-2012 academic year. No new students will be accepted into these majors. Officially recognized majors will have the opportunity to complete the major. Please consult with the appropriate academic advisor.*

English Courses

Offerings include courses in the following areas of the discipline:

Writing and Language

ENGL 111 College Writing
ENGL 155 Writing from Sources
ENGL 212 Writing for College and Community
ENGL 220 Writing for Business and Industry
ENGL 223 Technical Writing
ENGL 230 Writing from Nature
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 431 British Modernism
ENGL 433 The Restoration
ENGL 434 Jane Austen and Virginia Woolf
ENGL 435 Brides, Bribes, and Bibles: The Early English Renaissance
ENGL 440 Topics in Shakespeare
ENGL 441 Twentieth Century British Writers
ENGL 442 Major Works of James Joyce
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

American Literature

ENGL 255-256 American Literature I & II
ENGL 275 American Short Stories
ENGL 280 American Novels, 1970 to the Present
ENGL 283 African American Novel
ENGL 285 Women & Literature: The American Experience
ENGL 365 Classic American Novels
ENGL 450-459 Seminar in American Literature
ENGL 453 Contemporary American Poetry
ENGL 454 Hemingway

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 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 155 Writing from Sources

3 credits

This course is a continuation of College Writing which includes additional instruction and practice in the writing process; continued emphasis on writing correct, coherent, and fluent prose; and additional practice in the use of rhetorical modes. Writing assignments focus on analyzing, evaluating, and responding to published writings and on developing resource-based essays.

ENGL 156 Introduction to Literary Studies

3 credits

This course is dedicated to the study and application of various literary-critical approaches to a small number of literary works (poetry, fiction, drama). Close reading of texts is stressed. Particular emphasis is given to the theory and practice of Reader Response, Feminist, Marxist, and New Historical-Cultural criticism of literary texts. Other approaches to literary study are also examined. Usually offered Spring semester.

ENGL 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. Primary emphasis is on how to “read” film art. To insure that students understand “the art” of film, small production groups make short videos. Usually offered Fall semester.

- 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 from Nature 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 255-256 American Literature I & II 3 credits each**
 These courses examine the development of American literature from the Colonial Period to the present with emphasis upon the writers of the 19th and 20th centuries. First semester: the beginnings through mid-19th century Romanticism. Second semester: mid-19th century 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 American Novels, 1970 to the Present** **3 credits**
This course is a study of important novels written by Americans between 1970 and the present. Emphasis is on close readings of the novels.
- ENGL 283 African American Novel** **3 credits**
This is a study of African American novels from slavery to the present. Emphasis is on the relationship of African American culture to the fiction produced by its writers.
- ENGL 285 Women & Literature: The American Experience** **3 credits**
This is a study of poetry, fiction, drama and non-fiction prose about women by American women. 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; and to life-style and vocation. Consideration is also given to theoretical formulations about women and their social and literary functions.
- 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 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 411 Advanced Poetry Writing Workshop** **3 credits**
 This is an intensive workshop for advanced students writing poetry (Enrollment is limited.) *Prerequisite: ENGL 313.*
- 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 431 British Modernism** **3 credits**
 This course examines British modernism from its immediate antecedents in W.B. Yeats and Joseph Conrad through authors such as Joyce, Eliot, and Woolf. In addition to these writers, the course examines early 20th-century art, music, and history as contexts that helped shape this literary period. The course seeks to develop a sense of the key characteristics of British modernism while complicating that definition through critical engagement with the readings.
- 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 442 Major Works of James Joyce** **3 credits**
This course is a close reading in chronological order of the major works of James Joyce. Students examine both the formal development of these works and the cultural and historical contexts in which they were written.
- 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 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: 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.) Offered only in Spring semester of odd-numbered years.
- 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.

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

FREN 490 Senior Project 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: GRMN 220 or 221 or 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 487-488 Independent Study** **2-4 credits**
- GRMN 490 Senior Project** **2-4 credits**

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 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 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 3 credits
This course provides a panoramic view of Spanish literature from the earliest periods to the present. The course is conducted in Spanish. *Prerequisite: SPAN 220 or 221 or equivalent.*

SPAN 421 Survey of Latin American Literature 3 credits
This course provides a panoramic view of Latin American literature from the Colonial 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

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 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 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. (This course may be taken for credit as EDUC 480.)
- 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.)
- WLAC 487-488 Independent Study in World Languages & Cultures 2-4 credits**

Mathematics and Computer Science

Faculty

Mary Ellen Komorowski. *Professor of Mathematics; Chair*
Adam C. Fletcher. *Assistant Professor of Mathematics*
Fujiko O. Sawtarie. *Professor of Computer Science*

Program Goals

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 Major in Mathematics

The student is required to take the following core courses: MATH 106, 201, 202, 203, 220, 354, 371, 372, 400, 403, 477, and either MATH 326 or 410; plus 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-Economics: MATH 210, 383, 384; ACCT 202; ECON 162, 163, 301, 302; CPSC 151.

Mathematics-Physics: MATH 341; PHYS 201, 202, 251 or 261, 300; CPSC 151.

Mathematics-Computer Science: CPSC 151, 152, 275, 390; MATH or CPSC 210.

Mathematics-Actuarial Science: MATH 210, 341, 383, 384, 390; 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.*

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 105, 151, 152, 210, 275, 370, 380, 490, plus one additional 3-credit course at 300 level or above; MATH 201, 281; ACCT 202, 203; ECON 312. Strongly recommended are CPSC 477; ECON 162, 163, 280; ACCT 425. Beginning students are expected to complete CPSC 151 and MATH 201 during the first semester.

Bachelor of Science Degree: CPSC 105, 151, 152, 210, 275, 330, 360, 370, 440, 490, plus two additional 3-credit courses at 300 level or above; MATH 201, 202, 354, 383; PHYS 201, 202. Strongly recommended are CPSC 310, 477. Beginning students are expected to complete CPSC 151 and MATH 201 during the first semester.

Requirements for Minors

Computer Science: CPSC 151, 152, 275, 380.

Mathematics: MATH 106, 201, 202, 203, 354, plus a minimum of six credits from MATH 210, 281, 326, 341, 383, 400, 403, 410, 430.

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 MATH 201 or the equivalent.*

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 MATH 201 or the equivalent.*

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 107-109 Tools of Mathematical Understanding 1 credit each
The following courses provide a focused treatment of three parts of pre-calculus mathematics. These courses are offered online with a proctored final. They may be taken individually to provide in-depth review of an area in which the student feels she or he is deficient, or they may be taken as a block to replace MATH 105 delivered in a classroom setting. *Not open to students who have credit for MATH 105, 201, or their equivalents.*

MATH 107 Using Functions 1 credit
This course examines the concepts of the function, including domains, ranges, graphing, combinations and compositions, inverse functions, quadratic equations, exponential and logarithmic equations, and their applications to both mathematical and real-life situations.

MATH 108 Using Statistics 1 credit
This course examines the concepts of elementary statistics, including sampling, censuses, measures of central tendency, visual representation of data, and their applications to both mathematical and real-life situations. *Not open to students who have credit for MATH 281 or the equivalent.*

MATH 109 Using Trigonometry 1 credit
This course examines the concepts of trigonometry, including the unit circle, measuring of angles in radians and degrees, reference triangles and basic trigonometric functions, graphing, inverse trigonometric functions, and their applications to mathematical and real-life situations.

MATH 120 Foundations of College Mathematics 3 credits
This course represents the achievement of a 70% proficiency level in pre-collegiate mathematics on the Bethany College Mathematics Placement Examination. Successful completion of MATH 120 bars students from credit for any lower numbered Mathematics course with the exception of MATH 106 (Mathematica)

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: 3 1/2 years of high school math, MATH 103, MATH 105, 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. (The course includes four hours of class and one laboratory session each week.) *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. (The course includes four hours of class and one laboratory session each week.) *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: MATH 103, MATH 105 or the equivalent.*

- 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 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: permission of the instructor. 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 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 371 Writing for Mathematics and Computer Science I** **1 credit**
 This course is an introduction to the process of presenting solutions to mathematical problems and proofs to mathematical theorems in standard written form. (This course may be taken for credit as CPSC 371.)
- MATH 372 Writing for Mathematics and Computer Science II** **1 credit**
 This course is an introduction to the process of preparing and presenting a research paper in mathematics. (This course may be taken for credit as CPSC 372.)
- 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 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 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.)

MATH 487-488 Independent Study **2-4 credits**

MATH 490 Senior Project **2-4 credits**

Computer Science Courses

CPSC 103 Presentations and Multimedia Authoring **2 credits**
This course is designed to give students an introduction to multimedia. During the first half of the course, students learn how to make presentations using common presentation software in the Macintosh and the Windows environments. During the second half of the semester, students learn how to create hypermedia applications. Throughout the course, students experiment with graphics software, a color scanner, a digital camera, a video camera, and sound tools.

CPSC 104 Programming in Multimedia **3 credits**
This course introduces students to the tools and techniques used in developing interactive multimedia programs. During the course, students become familiar with the authoring packages, Apple Media Tool and Director, and learn how to use them to produce multimedia presentations. Special emphasis is on Lingo programming and Director's scripting language.

CPSC 105 Web Design **3 credits**
This course introduces students to the tools and techniques used in designing web pages. Students learn HTML, Javascript, and the web authoring software packages Dreamweaver, Fireworks, and Flash.

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 148 Programming in PROLOG **3 credits**
The programming assignments in this course are related to problems in the area of artificial intelligence.

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 **3 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 **3 credits**
This course is an introduction to advanced features of a high-level computer language including user-defined data structures. The programming assignments involve the techniques of searching, sorting, and recursion. *Prerequisite: CPSC 151 or the equivalent.*

- 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.) *Prerequisites: MATH 103, MATH 105, or the equivalent.*
- CPSC 222 Digital Electronics 4 credits**
 This course is an introduction to basic digital electronic components and devices. Beginning with simple logic gates, students learn to analyze and work with increasingly complex digital circuits. Topics include logic gates and IC chips, Boolean algebra, adders, flip-flops, shift registers, counters, digital/analog conversions, multiplexers and decoders, and an introduction to memory and microcomputers. (The course includes three hours of lecture and two hours of laboratory each week. May be taken for credit as PHYS 222.) *Prerequisite: MATH 103 or equivalent or permission of the chair of the department.*
- 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 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 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 275 or the equivalent.*
- CPSC 371 Writing for Mathematics and Computer Science I 1 credit**
 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 be taken for credit as MATH 371.)
- CPSC 372 Writing for Mathematics and Computer Science II 1 credit**
 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 be taken for credit as MATH 372.)
- 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 275.*
- 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 400 Computer Graphics 3 credits**
 This course focuses on the study of line-drawing algorithms, circle generation, transformation, clipping and windowing, segmented display files, picture structure, graphic input techniques, raster graphics, scan conversion algorithms, three-dimensional transformations, and hidden surfaces. *Prerequisite: CPSC 275.*
- CPSC 430 Compiler Design 3 credits**
 Techniques of design and implementation of compilers, including lexical analysis, parsing (both L L and L R), syntax-directed translation, and symbol table management are examined. *Prerequisites: CPSC 275,330.*

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. <i>Prerequisites: CPSC 275,330.</i>		
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

Physical Education and Sports Studies

Faculty

Kosmas M. Mouratidis. *Assistant Professor of Physical Education, Coordinator*
 Richard F. Carver. *Assistant Professor of Physical Education*
 Barry J. Christmas. *Assistant Professor of Physical Education*
 Janice L. Forsty. *Assistant Professor of Physical Education*
 Courtney J. Kline. *Assistant Professor of Physical Education*
 Megan K. Lowry. *Assistant Professor of Physical Education*
 John J. McGowan. *Professor of Physical Education*
 Wallace B. Neel. *Professor of Physical Education*
 Rebecca L. Upton. *Assistant Professor of Physical Education*
 Steven A. Upton. *Assistant Professor of Physical Education*
 Corey J. Wingen. *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, Sport Communication, and Physical Education Teacher Certification. 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 and biology with complementary courses in mathematics, business, economics and accounting. In Sport Communication, emphasis is on integrating academic courses in physical education and biology with complementary courses in communication. In Physical Education Teacher Certification, emphasis is on integrating academic and lab analysis courses in physical education and biology with complementary courses in education. All students are required to meet the College's requirements in the general education.

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

All majors in the Department are required to complete the following courses successfully: BIOL 168 and 169; PHED 243, 244, 326, 327, 337, and 490. All majors must also complete successfully one of the following tracks:

Sports Communication: PHED 300, 335, 340, 355, 470; COMM 101, 102, 104, 105, 388, and six credits selected from 200, 201, 202, 203, 204, 205, 206, 208, 218, 228, 303, 308, 314, 344, 345, 403, 409, 410.

Sports Management: PHED 335, 336, 338, 471; COMM 203; ECON 163, 222, 280, 287, 290, 312; ACCT 202, 203; MATH 281, 282. Recommended is COMM 388.

Sports Services: PHED 110, 215, 333, 335, 336, 338, 471; ECON 163, 222, 280, 287, 312; ACCT 202, 203; MATH 281, 282.

Teacher Education Grades K-12: PHED 110, 175, 210, 211, 212, 213, 214, 215, 216, 331, 333 and 350; EDUC 353.

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 prerequisites to student teaching: PHED 110, 175, 210, 211, 212, 213, 214, 215, 216, 243, 244, 331, 333, 337, and 350; EDUC 353.

Teacher Education Grades 5-8: PHED 110, 175, 211, 212, 213, 214, 215, 216, 243, 244, 326, 327, 333; BIOL 168, 169; EDUC 353.

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 prerequisites to student teaching: PHED 110, 175, 211, 212, 213, 214, 215, 216, 243, 244, 331, 333; EDUC 353.

Courses

PHED 100-165 Physical Education Performance Courses

1 credit each

These courses examine the following: skills in performance; the knowledge of strategies, rules, equipment, and methods; participation in forms of sport. PHED 101-140 may not be repeated for credit. PHED 150-164 may be repeated for credit. (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 101	Gymnastics	PHED 138	Strength Conditioning
PHED 110	Advanced Aquatics I (Lifeguarding)	PHED 139	Physical Fitness
PHED 120	Team Activities	PHED 150	Varsity Baseball
PHED 121	Individual and Dual Activities	PHED 151	Varsity Basketball (Men)
PHED 122	Outdoor Activities	PHED 152	Varsity Basketball (Women)
PHED 123	Dynamic Toning Activities	PHED 153	Varsity Cross Country (Men and Women)
PHED 124	Dance for Fitness (May be taken for credit as THEA 124)	PHED 155	Varsity Football
PHED 132	Basic Aquatics	PHED 157	Varsity Soccer (Men)
PHED 133	Bowling (An additional course fee is required.)	PHED 158	Varsity Swimming (Men and Women)
PHED 134	Racquetball	PHED 159	Varsity Tennis (Men)
PHED 135	Tennis	PHED 160	Varsity Tennis (Women)
PHED 136	Golf	PHED 161	Varsity Track (Men and Women)
PHED 137	Aerobic Conditioning	PHED 162	Varsity Volleyball
		PHED 163	Varsity Softball
		PHED 164	Varsity Soccer (Women)

PHED 102 Introduction to Lifelong Fitness

1 credit

This course provides experiences in a variety of activities delivered in segments which become incrementally more intense through the semester. Activities include: Tai chi; Yoga; Pilates; Tae Bo; Aerobics; Circuit Training; and various resistance training techniques, including Isometric and Nautilus principles. (Accommodation will be made available for students with document disabilities.)

PHED 103 Introduction to Sports Fitness

1 credit

This course provides experiences in intense physical activities delivered as an integrated program designed to improve sports related fitness. Emphasis is on flexibility, agility, muscular strength, and muscular endurance.

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.

PHED 180-198 Equestrian Performance Courses

1 credit each

These courses provide instruction and participation in equestrian activities. Most riding courses involve approximately 90 minutes per week of mounted activity. Students majoring in Equestrian Studies are expected to provide their own equipment. An additional course fee is required for each of these courses. (Activity courses: CR/NCR only. Exception: courses taken to fulfill requirements for a major in Equestrian Studies must be taken as one-credit academic courses for letter grades. PHED 180-196 may be repeated for credit.)

PHED 180	Eventing I Prerequisite: GENS 180
PHED 183	Basic Horsemanship
PHED 184	Intermediate Stock Seat Prerequisite: PHED 183, 20 minutes tape or test
PHED 185	Intermediate Hunt Seat Prerequisite: PHED 183, 20 minutes tape or test
PHED 186	Intermediate Hunt Seat II Prerequisite: PHED 185, 20 minutes tape or test
PHED 187	Elementary Dressage Prerequisite: PHED 183, 20 minutes tape or test
PHED 188	Dressage II Prerequisite: PHED 187, 20 minutes tape or test
PHED 189	Introduction to Equine Driving
PHED 190	Equine Driving II Prerequisite: PHED 189
PHED 193	Jumping
PHED 194	Intermediate Stock Seat II Prerequisite PHED 184
PHED 196	Eventing II Prerequisite PHED 180
PHED 197	Eventing III Prerequisite PHED 196
PHED 198	Intermediate Hunt Seat III Prerequisite PHED 186

PHED 191 Horseback 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. (This course may not be repeated for credit.)

- PHED 192 Horseback Riding Instructor II: Community Outreach 1 credit**
This course emphasizes outreach to community organizations, physical therapy and its application to the disabled rider, and preparation for certification as a riding instructor. Students in the course spend one to three hours weekly observing and participating in instructing therapeutic riding classes and classes for community organizations. (This course may not be repeated for credit.)
- PHED 201 Introduction to Health 3 credits**
This course examines individual health related lifestyle issues.
- 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.
- 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. American Heart Association Certificates may be earned by those passing the examination. Opportunity for receiving an instructor's certificate is an option at the end of the course.
- 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 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.
- PHED 251 School Health 3 credits**
This course emphasizes important health issues related to public education systems in the United States.
- 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 168 and 169.*

- PHED 327 Physiology of Muscular Activity 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 168 and 169.*
- 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. *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.
- 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.
- PHED 340 Prevention and Care of Injuries 3 credits**
 This course provides the student with basic insight into prevention and treatment strategies of athletic injury. The student is expected to participate in lab activities that include taping, bandaging, bracing, wound care, therapeutic modality usage, etc. Students learn healthcare administration, legal concerns in sports medicine, environmental hazard identification, rehabilitation techniques, skin disorder recognition, gait training, basic sports pharmacology, psychosocial aspects of sports medicine, emergency procedures, and tissue response to injury. *Prerequisite: PHED 226 or permission of the instructor.*
- PHED 341 Principles of Physical Therapy and Orthopedic Evaluation 3 credits**
 This course prepares the student for graduate study in allied health fields, such as Athletic Training, Chiropractic, Medicine, Nursing, and Physician Assistant, as well as specifically for Physical Therapy. The course covers topics including orthopedic evaluations, therapeutic modalities, goniometry, medical terminology, medical abbreviations, manual muscle testing, privacy laws (HIPAA and FERPA), medical documentation, and record keeping. *Prerequisites: BIOL 100, 168; PHED 200, 226, 326, 327, 340; PSYC 100.*
- 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.
- 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 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 470 Internship in Sports Communication 2 credits**
 This experience is a professionally supervised internship with an off-campus sports communication agency. *Prerequisites: A minimum of 160 hours is required with two on-campus media experiences and a professional observation.*
- 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 160 hours is required with two on-campus sports administrative experiences and a professional observation.*
- PHED 487-488 Independent Study 2-4 credits**
- PHED 490 Senior Project 2-4 credits**

Physical Science

Faculty

Robert A. Paysen. *The Goulding-Woolery Professor in Chemistry, Chair*
Daniel J. Phillips. *Assistant Professor of Chemistry*
Lisa M. Reilly. *Assistant Professor of Chemistry*
Majid A. Sawtarie. *Professor of Physics*
Robert S. Spangler, Jr., *Assistant Professor of Physics*

Program Goals

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.

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 Chemistry

All students majoring in Chemistry are required to complete the following core courses: CHEM 111, 112, 221, 222, 324, 385, 386, either 477 or 478, 490; PHYS 201, 202; MATH 201, 202. In addition, each student must complete one of the following tracks:

Professional Chemistry Track: CHEM 320, 315 or 335, 326, 404; four additional elective credits in chemistry; and one course from the following group: PHYS 221, 222, 300; MATH 203, 210, 341.

Forensic Chemistry Track: CHEM 108, 255, 320, 351, 420, three courses in Advanced Methods of Analysis (315, 335, 345, 355); BIOL 290; MATH 281 or PSYC 205; SOSC 101.

Biochemistry Track: CHEM 315 or 335, 320, 351, 352; BIOL 290 and either BIOL 341 or 343. Two additional courses from the following are recommended: BIOL 100, 308, 338, 341, 343, 440, 442; MATH 210, 281.

Chemistry Education Grades 9-12 Track: CHEM 315 or 335, 320, 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.

Entering freshmen interested in chemistry should enroll in CHEM 111 and a mathematics course at the appropriate level. 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 faculty member in the Chemistry Department for placement in a course at the appropriate level. Students who plan to do graduate work in chemistry should develop a reading knowledge of chemical German, French, or Russian. Additional courses in mathematics are strongly recommended.

All courses in chemistry and all required courses in mathematics, biology, psychology, and physics must be taken for a letter grade.

Requirements for Major in Physics*

A minimum of 43 credits of course work is required in the Department: PHYS 201, 202, 221, 241, 251, 261, 300, 302, 304, 318, 401, 490, and two courses selected from 222, 252, 262, 402, and 404. In addition, 20 credits in courses outside the department are required: MATH 201, 202; CHEM 112, 221; and CPSC 151. Students who pass both MATH 203 and MATH 341 are exempted from taking PHYS 241.

Combined Three-Two plans with Case Western Reserve University and Columbia University are available to students interested in various engineering or industrial management degrees.

Students interested in careers in engineering, industrial management, mathematical modeling, etc., which might require a background in physics, mathematics, computer science, economics, or chemistry, are encouraged to speak to the appropriate department head and the director of the dual-degree engineering program, or to the Chair of Interdisciplinary Studies, if they wish to design an interdisciplinary program of study more suited to their career goals than is a traditional departmental program.

Requirements for Minors

Chemistry: CHEM 111, 112, 221, 222; 6 credits from CHEM 315, 320, 324, 326, 335, 351, 352. (Math 201 and 202 and CHEM 222 are prerequisites for CHEM 320.)

Experimental Physics: PHYS 201, 202, 221, 222.

Theoretical Physics: PHYS 201, 202, and three additional courses selected from PHYS 251, 261, 300, 302, and 304.

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. (This course may be taken for credit as GENS 100.)

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 111 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.

CHEM 112 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: CHEM 111, two units of high school algebra or concurrent enrollment in MATH 103, or permission of the instructor.*

CHEM 215 Organic Chemicals in Our Environment

3 credits

The classes of organic compounds including structure, stereochemistry, uses, possible environmental sources, and environmental fates are systematically studied in the course. Laboratory and field work emphasizes sampling, detection, and analysis. *Prerequisite: CHEM 221.*

CHEM 221 General Chemistry II

4 credits

This course is a continuation of the lecture portion of CHEM 112 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 112 or permission of the instructor.*

**The Physics major will be discontinued at the end of the 2011-2012 academic year. No new students will be accepted into these majors. Officially recognized majors will have the opportunity to complete the major. Please consult with the appropriate academic advisor.*

- CHEM 222 Organic Chemistry II** **4 credits**
This course is a continuation of CHEM 111 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 221 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 222 or concurrent enrollment in CHEM 222.*
- CHEM 311 Bonding and Symmetry in Organic Chemistry** **2 credits**
This course is an introduction to group theory and simple molecular orbital calculations as they apply to organic chemistry and to the spectra of organic compounds. Emphasis is on problem solving and structural determination from spectroscopic data. *Prerequisite: CHEM 320 or permission of the instructor.*
- 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 111 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 including equilibrium processes. Applications of physical concepts to systems of biological interest are emphasized. A study of the rate processes, including enzyme mechanisms in the liquid phase, is included. (This course may be taken for credit as BIOL 320.) *Prerequisites: CHEM 222 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 221.*
- CHEM 326 Physical Chemistry II** **4 credits**
The differing energy states of atoms and molecules, statistical principles governing the distribution of particles, and the transitions within these states are studied in detail. An introduction to transport processes, surface and interface problems, and advanced topics in thermodynamics is included. *Prerequisites: CHEM 222, 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 111 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 221.*
- 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 111, 222.*
- 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 221.*
- 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 **2 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 222 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 455 Medical Applications of Biochemistry **2 credits**
This course studies the biochemical causes of many common diseases using actual medical case studies. The course emphasizes discussion and seminar work. Issues in medical ethics are included as appropriate. *Prerequisite: CHEM 352 or concurrent enrollment in CHEM 352.*

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 480.) *Prerequisite: 16 credits in one of the physical or life sciences or permission of the instructor.*

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. An additional course fee is required.

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 221 Analog Electronics 4 credits**
 This course is an introduction to analog electrical devices and components with an emphasis on laboratory experience and applications. Among the topics considered are DC circuit analysis using Kirchoff's laws, mesh equations, transformations, multimeters and oscilloscopes, AC circuit analysis using complex impedances, capacitors and inductors, resonance, step function analysis, operational amplifier circuits, and transistors. The course includes three hours of lecture and two hours of laboratory each week. *Prerequisites: PHYS 201-202 or permission of the Chair of the Department.*
- PHYS 222 Digital Electronics 4 credits**
 This course is an introduction to basic digital electronic components and devices. Beginning with simple logic gates, students learn to analyze and work with increasingly complex digital circuits. Topics include logic gates and IC chips, Boolean algebra, adders, flip-flops, shift registers, counters, digital/analog conversions, multiplexers and decoders, and memory and microcomputers. The course includes three hours of lecture and two hours of laboratory each week. (This course may be taken for credit as CPSC 222.) *Prerequisite: MATH 103 or equivalent or permission of the Chair of the Department.*
- PHYS 241 Mathematical Methods in the Physical Sciences 4 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, and Fourier series. *Prerequisites: MATH 201-202 or permission of the Chair of the Department.*
- 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 252 Dynamics 3 credits**
 In this course, students study motion in non-inertial frames, the dynamics of rigid bodies, coupled oscillations, the theory of small oscillations, continuous systems, and relativistic mechanics. *Prerequisite: PHYS 251.*
- 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 262 Electrodynamics 3 credits**
 This course is a study of some advanced topics in electricity and magnetism, including Maxwell's equations, electromagnetic waves, electromagnetic radiation, and relativistic electrodynamics. *Prerequisite: PHYS 261.*
- 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, 241; 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 402 Solid State Physics 3 credits**
 This course studies the properties that result from the distribution of electrons in metals, semiconductors, and insulators. It examines how the elementary excitations and imperfections of real solids can be understood in terms of simple models. *Prerequisite: PHYS 300 or permission of the Chair of the Department.*
- PHYS 404 Nuclear and Particle Physics 3 credits**
 This course is an introduction to subatomic physics. The course examines the properties and constituents of the nucleus; the strong nuclear force; models of the nucleus; radioactive decay including alpha, beta and gamma decay; and nuclear reactions such as fission and fusion. Particle physics is discussed, including the classes and properties of various subatomic particles, virtual particles, conservation laws, the quark model, the weak force, and parity violation. *Prerequisite: PHYS 300 or permission of the Chair of the Department.*
- PHYS 477 Seminar in Physics 2 credits**
 This course is a survey of physics for review and correlation of various fields within the discipline. *Prerequisite: 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.*
- 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.

Psychology

Faculty

Mark A. Affeltranger. *Assistant Professor of Psychology, Chair*
 Katrina L. Cooper. *Assistant Professor of Psychology*
 John H. Hull. *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

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 or Psychology with a Pre-Physical Therapy Emphasis). All students majoring in Psychology must successfully complete the following courses: PSYC 100, 205, 206, 207, 208, 301, 324, 415, 477, and 490. 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: Two of the following: 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 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, 168, 425; CHEM 111, 112; EDUC 203 or PSYC 230; MATH 201; PHED 326, 327, 340, 341 (four hours of PSYC 470 may be substituted for PHED 340 and PHED 341); PHYS 201, 202. 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.

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; ECON 162, 163; GENS 202 or SOSC 302; POLS 225; PSYC or EDUC 480; 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. *PSYC 480 is prerequisite to student teaching.*

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 Quantitative Methods 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 206 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 sophomore status.*

PSYC 207 Quantitative Methods 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 208 Writing Papers in Psychology 2 credits
This course introduces students to the process of writing papers in the field of psychology. Using APA format students write an appropriately documented review of the professional research literature related to a specific topic, write a methods section detailing the proposed design and procedures for gathering empirical evidence related to a chosen topic, and develop a reference list. This course meets the Bethany College focused writing requirement for students majoring in Psychology.

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 224 Psychology of Personal Growth 3 credits**
This course is for students who wish to expand their self-awareness and explore choices available to them in significant areas of their lives. Topics include self-concept and self-esteem, relationships, communication, stress management, sex roles and sexuality, time management and goal setting, career planning, and developing a meaningful philosophy of life. Students should be willing to share thoughts and feelings about significant topics in small-group discussions. *Not open to students who have taken FSEM 111: Education of the Self.*
- 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 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 287 or BUSA 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.
- 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: Theory and Application 4 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 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. <i>Prerequisite: PSYC 100.</i>		
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. <i>Prerequisite: PSYC 100.</i>		
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. <i>Prerequisite: senior status.</i>		
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. <i>Prerequisite: declared Psychology major; junior standing or permission of the instructor.</i>		
PSYC 477	Senior Seminar	2 credits
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.)		
PSYC 487-488	Independent Study	2-4 credits
PSYC 490	Senior Project	2-4 credits

Religious Studies and Philosophy

Faculty

James W. Farwell. *Thomas W. Phillips Chair of Religious Studies, Associate Professor of Religious Studies; Chair*
 Brooke Lemmons Deal. *Assistant Professor of Religious 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
 - * Argument

Requirements for Major in Religious Studies

The following courses are required for all students: RELS 220, 224, 301, 303, 311, 326, 417, 490; 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 Minor

Cultural Studies: CLTS 201; one course from each of three course areas; CLTS 401 (may be taken twice); INTD 253 and either INTD 251 or 252.

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.

Cultural Studies Courses

CLTS 201 Introduction to Cultural Studies

3 credits

A general introduction to the field of cultural studies, including key texts and theoretical frameworks. Emphasis is on familiarity with the general approach and developing facility applying it to cultural phenomena, including fiction, film, music, politics, journalism, religion, etc.

CLTS 202 Tolerance and Intolerance in Historical Perspective

3 credits

This course critically examines ideological frameworks of “tolerance” and “intolerance”, both theoretically and as they have been expressed or played out in history. Students consider various models of pluralism as well as homogenizing tendencies in a variety of cultures, sub-cultures, political forms, religious traditions, philosophical traditions, and historical moments. Students consider examples of both openness and repression, including such historical moments/episodes as the Inquisition, the Spanish Inquisition, the golden age of Muslim Spain, crusades, expulsions/pogroms, the Holocaust/Shoah, and others. Students consider the relationship between religious/cultural elites and “the people” on these issues, the role of education, and the idea of a historical development toward more rather than less tolerance (perhaps the signature Enlightenment/Modernist program).

CLTS 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. (This course may be taken for credit as GENS 210).

CLTS 401-2 Common Seminar

3 credits

A theoretically-oriented seminar focusing on key words in cultural criticism, cultural studies, and cultural theory. The course is designed to encourage students to consider key questions in the field in a way that also allows them to synthesize the work they have done in the major. *Enrollment limited to Juniors and Seniors.*

CLTS 490 Senior Project

3 credits

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 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

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 101-130 Biblical Literature Seminars 3 credits each
Each of the seminars below undertakes a critical study of a selection of Biblical texts which seeks (a) to locate and understand them in their original historical, cultural, and social contexts and (b) to recognize how they have functioned and continue to function in the construction of Western culture.

RELS 101 Women and the Bible
Women and the Bible examines the role(s) of women in the Bible, the ways in which such roles were constructed and reinforced in the Western tradition, and the contemporary viability of this tradition. The course critically examines the polarity of “mother” and “fallen woman” as the prototypical models of “appropriate” female behavior and social acceptance, and the ways in which “salvation” is construed for each type.

RELS 102 Satan and the Existence of Evil

Satan and the Existence of Evil undertakes a historical analysis of the evolution of the character of “the Satan” and “the Devil” in the Bible, in the character of Lucifer in the Western tradition, and in contemporary discourse concerning evil. The course critically examines the personification of evil in women, non-Christian religions, Christian minorities, and related “marginal” groups.

RELS 103 Apocalypse Then and Now

Apocalypse Then and Now examines ancient views of divine intervention in history as expressed in Jewish apocalyptic materials and their radical development in early Christian communities, the ways in which Western tradition has developed a variety of “end-time” scenarios, and the ways in which apocalyptic images have entered into political discourse. The course critically examines human motivations in constructing futuristic dramas in Western history and in science fiction novels.

RELS 104 The Exodus, Liberation, and Hope

The Exodus, Liberation, and Hope examines the nature of the Biblical story of the exodus as an historical account of an actual event and as a theological construct for the Jewish and Christian religions. The course critically examines the use of exodus images in the early civil rights movement in America, especially in the writings of Martin Luther King, Jr., and in a variety of liberation theologies in an effort to understand the relationship between religious images and social change.

RELS 105 Creation Theology, Science, and Worldviews

Creation Theology, Science, and Worldview examines a variety of Biblical texts that deal with creation, cosmos, and the nature of the world, reviews the rise of the scientific method in relation to “ways of thinking about the world,” and critically addresses the political and theological discourse generated by persons and groups who seek to have “creationism” taught in the public schools in science classes.

RELS 106 Food, Sacrifice, and Communion

Food, Sacrifice, and Communion examines a variety of Biblical understandings of food and sacrifice in relation to sacred space, divine presence, and the divine law, reviews the status of food as a religious symbol in the lives of several medieval Christian women, and addresses issues and problems associated with “food” in contemporary American culture.

RELS 107 History, Violence, and the Will of God

History, Violence, and the Will of God examines the role of violence in a variety of Biblical texts (violence undertaken as the will of God, violence as an act of God, and violence as a human response to real-life experiences) in an effort to understand the relationship between violence and history, reviews various moments in the history of the church in which violence was used to generate or maintain power, and critically examines the role of violence in contemporary American culture—in films, on television, in music, and in the streets.

RELS 108 Death and the Afterlife

Death and the Afterlife is a critical examination of a selection of Biblical texts which deal with death, dying, and the “next life,” an exploration of 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 social structures, social values, and notions of justice.

RELS 109 Covenant and the Law

This course explores the concept of covenant, the binding agreement between humans and the God of Israel. Beginning with the early covenants between Israel and God, the development of the Sinai covenant (or the Law of Moses) and its contribution to individual and social behavior are investigated. Contemporary law codes of other nations in the ancient Middle East are considered. The impact of Christianity on the concept of covenant and on the evolution of law in the Western tradition are examined.

RELS 110 Sex, the Body, and Religion

This course is a survey of the origins of attitudes and beliefs in the Western tradition 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 ideas reflected in the Jewish scriptures and how they were reframed in early Christianity. Among the topics examined are the following: the “fall” of humanity, gender differentiation, marriage and divorce, procreation (including birth control and abortion), asceticism and celibacy, food and fasting, and the death of the body (including resurrection and condemnation).

RELS 111 Religious Experience in the West

Religious Experience focuses on the wide variety of religious experience articulated in biblical texts, the traditions of interpretation of those texts (Jewish, Christian, and Muslim), and the ways in which those texts and the traditions growing out of them continue to inform contemporary understandings of religious experience. The course critically examines Biblical paradigms of religious experience, the Bible itself as the object or medium of religious experience, the changing understanding of the paradigms themselves, and the role of religious experience in the production of meaning, both “personal” and “political”.

RELS 130 The Bible

This course is a critical study of the Bible, exploring the worlds of ancient Judaism and early Christianity to discover sources of important modern Western views of the world and the place of human beings in it. The course uses scholarly approaches to the study of religion to identify questions and problems common to the ancient writers of the biblical texts and to modern human beings and to promote an understanding of the literary and cultural heritage of the traditions of ancient Judaism and early Christianity.

- 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 228 Buddhism 3 credits**
An introduction to the phenomenon known as ‘Buddhism,’ a term covering the pan-Asian tradition of discourse and practice centered around the significance of an Indian prince and ascetic who lived roughly 2500 years ago. Students consider the life and teachings of the Buddha in their historical and cultural context; Buddhist rituals and practices; and the development of Buddhism in its migration both east and west. Special attention is given to the encounter of Buddhism with western philosophy, theism, and culture, and to the American preoccupation with the Buddhism of Japan and Tibet.
- 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 270 Introduction to Biblical Hebrew 3 credits**
This course provides the student with a working knowledge of Biblical Hebrew. With successful completion of this course, the student will be able to read selected passages of narrative in the Hebrew Bible with the aid of a lexicon. The course will begin with an introduction of the Hebrew writing system. The students learn to read and write consonants and vowel points in both block and cursive script. Following the students’ successful mastery of the writing system, the course undertakes Hebrew grammar and basic syntax, as well as Hebrew vocabulary. This course also introduces elementary conversational elements of modern Israeli Hebrew, such as basic greetings, introductions, and inquiries, thus this course emphasizes both written and oral skills.
- RELS 301 The Pentateuch 3 credits**
The Pentateuch is an historical-critical analysis of the first five books of the Bible that emphasizes the historical, social, and ideological dynamics of the Pentateuchal traditions. In addition, modern fictional works are read in order to recognize the ways in which Pentateuchal themes continue to play a role in the construction of Western thought and culture.
- RELS 303 Job: Story and Theology 3 credits**
Job: Story and Theology is an exegetical study of the book of Job which explores the ways in which story gives rise to theology. Central to the discussion is analysis of the relationship between the creator (God) and the creature (Job). In addition, several modern works of fiction are read which address questions concerning the relationship between creator and creature, the loss of comfortable worldviews, and the nature of human struggle.
- 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 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.

- 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.
- 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**

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, 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 resumé's. (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 200 Introduction to the Social Sciences 3 credits**
 This course provides an introduction to several of the social sciences, how they relate to one another, and how they differ from the natural sciences and humanities. Students are exposed to the differing theories and practices employed in these fields through examination of a single topic from multiple perspectives. At the conclusion of the course students apply what they have learned in an analysis of a new topic.
- SOSC 480 Methods and Materials in Teaching Social Studies 2 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.)

Social Work

Faculty

Katherine Shelek-Furbee. *Professor of Social Work; Chair*

Melanee W. Sinclair. *Assistant Professor of Social Work and Coordinator of Field Placements*

Program Goals for Social Work

In keeping with the mission statement for the Social Work Program, the following goals provide a foundation for program objectives. The Social Work Program Goals are:

- To prepare students for beginning level, generalist social work practice within the framework of the NASW Code of Ethics.
- To prepare students to work with populations affected by oppression and discrimination and to advocate for social and economic justice.
- To prepare students with a solid educational foundation for graduate education and continued professional growth and development.

Social Work faculty believe that the Goals statements assist in 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 beginning social work practice. Students accomplish this goal by completing the following courses: SOWO 120, 150, 210, 230, 310, 320, 340, 350, 352, 455, 470, 490; EDUC 203 or PSYC 230; 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 courses for the major. Social Work practice courses must be taken in sequence, and students may not take the field placement course (SOWO 470) without first completing all required social work courses except SOWO 455 and SOWO 472, which are taken in conjunction with the field placement experience. Students cannot receive credit for life, work, or volunteer experience. SOWO 120 is a prerequisite for all courses in Social Work except SOWO 125-145, 150, 210, and 230. The Council on Social Work Education (CSWE) accredits the Social Work program at the Bachelor of Social Work level.

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			
PSYC 100 General Psychology	4	*SOWO 120 Introduction to Social Work & Social Welfare	3
		SOWO 150 Social Problems	3
<i>(Students must apply for admission to Social Work Program during SOWO 120)</i>			
Sophomore			
SOWO 210 Human Diversity	3	EDUC 203 Human Development or PSYC 230 Developmental Psychology	3
SOWO 230 Supportive Counseling	3	SOWO 310 Human Behavior	3
Junior			
*SOWO 350 Social Work Practice I	3	SOWO 320 Social Welfare Policies	3
		*SOWO 352 Social Work Practice II	3
		SOWO 340 Research Methods	3
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 SOSOC 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), the applicant will begin the process of admission to the Social Work Program. Forms and information may be obtained from the Department office. The following criteria must be met to be admitted to the program:

- 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.
- Admission to the program prior to registration for SOWO 350 (Social Work Practice and Methods I).

The student may be granted full admission, provisional admission, or denied admission. Appeal of the decision can be made through the Social Work Program Director.

Continuation in the Social Work Field Placement: A student can participate in the field placement semester only after having completed all required courses in Social Work, except SOWO 455 and SOWO 472, which are taken in conjunction with the field placement experience. The student must also have an academic record appropriate for retention in the Social Work Program, apply for participation by completing an “Application For Field Placement”, and file it with the Coordinator of Field Instruction. The completed application is then reviewed by the faculty of the Department of Social Work, which grants approval to enroll in the field experience.

Field Placement Semester: The Field Placement experience is conducted for the entire first semester of the senior year in social service agencies in the surrounding counties. Related course work is integrated with the field experience to provide direct application to field experiences.

Students are not permitted to schedule courses in conflict with the Field Placement experience during the semester they are enrolled in it, or to undertake extra-curricular activities that interfere with the requirements imposed by the block. Arrangements can usually be made for practice and participation in varsity sports. The Coordinator of Field Instruction must approve any exceptions to the above.

Application for Licensure: Many states recognize licensure for social workers at the bachelor degree level (BSW). Students may 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 CSWE accredited MSW programs. MSW applicants will be exempt from foundation level courses in the MSW degree program, which amounts to up to three (3) semesters’ credit. In most cases, graduate degrees can be completed in one year.

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 of the place of the profession in society is the focus of study. A field experience is arranged as part of the course.

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 Alcohol Use and Abuse 2 credits
This course provides alcohol education to students interested in an enhanced understanding of the effects of alcohol on individuals, families, and the community at large. Topics studied include the uses and misuses of alcohol throughout history, the effects of alcohol on the human body, the personal and societal costs of drinking, the etiology of alcoholism, and considerations for special populations.

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 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 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.
- 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.
- 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.)
- 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. A field experience is required.
- 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 experience is required.
- 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. A field experience is required.
- 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.
- 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.)
- 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.

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.)

SOCI 487-488 Independent Study

1-4 credits

Studies may be planned as extensions of or additions to existing offerings.

Visual and Performing Arts

Faculty

Luke L. Hardt. *Associate Professor of Theatre; Chair*

Pandel L. Collaros. *Assistant Professor of Music*

Tracie Lynn Duncan. *Assistant Professor of Theatre*

Kenneth L. Morgan. *Professor of Fine Arts*

David J. Rudari. *Assistant Professor of Music*

Herbert G. Weaver, Jr. *Professor of Fine Arts in the Jennie Steindorf Renner Chair of Fine Arts*

Program Goals

The Fine 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
- Enhance a student's overall quality of life
- Prepare students for careers and graduate study

Requirements for Majors

Music: MUSI 103, 171, 172, 230, 250, 251, 271, 272, 477, 490; 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. Piano Proficiency Exam or 4 semesters of individual applied piano instruction.

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; 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.

Visual Art: VISA 100, 101, 201, 202, 203, 211, 213, 221, 231, 477, 478, 490; the courses in one of the following tracks:

Studio Art: VISA 301, 311 or 313; 321 or 331; MUSI 103 or THEA 103.

Art Education: VISA 301, 311 or 321; 321 or 331; 480; 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 Minors

Music: MUSI 103, 171, 172, 250 or 251; 4 credits of Applied Lessons; 4 credits of Ensemble.

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.

Visual Art: VISA 100 or 101, 201, 202, 203; VISA 211 or 213; VISA 221 or 231; VISA 301, 311, 313, 321, or 331.

Fine Arts Courses

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 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 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 111-112, 211-212, 311-312, 411-412 Applied Piano 1 credit each
These courses provide individualized instruction in piano technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as MUSI 111-112, 211-212, 311-312, 411-412.) *Prerequisite: Permission of instructor.*

FINA 113-114, 213-214, 313-314, 413-414 Applied Guitar 1 credit each
These courses provide individualized instruction in guitar technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as MUSI 113-114, 213-214, 313-314, 413-414.) *Prerequisite: Permission of instructor.*

FINA 115-116, 215-216, 315-316, 415-416 Applied Voice 1 credit each
These courses provide individualized instruction in vocal technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as MUSI 115-116, 215-216, 315-316, 415-416.) *Prerequisite: Permission of instructor.*

FINA 117-118, 217-218, 317-318, 417-418 Applied Organ 1 credit each
These courses provide individualized instruction in organ technique and repertoire based on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as MUSI 117-118, 217-218, 317-318, 417-418.) *Prerequisite: Permission of instructor.*

FINA 121-122, 221-222, 321-322, 421-422 Applied Woodwind 1 credit each
These courses provide individualized instruction in woodwind technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as MUSI 121-122, 221-222, 321-322, 421-422.) *Prerequisite: Permission of instructor.*

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 131-132, 231-232, 331-332, 431-432 Applied Brass **1 credit each**
These courses provide individualized instruction in brass technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as MUSI 131-132, 231-232, 331-332, 431-432.) *Prerequisite: Permission of instructor.*

FINA 141-142, 241-242, 341-342, 441-442 Applied Percussion **1 credit each**
These courses provide individualized instruction in percussion technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as MUSI 141-142, 241-242, 341-342, 441-442.) *Prerequisite: Permission of instructor.*

FINA 161-162, 261-262, 361-362, 461-462 Applied Strings **1 credit each**
These courses provide individualized instruction in string technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as MUSI 161-162, 261-262, 361-362, 461-462.) *Prerequisite: Permission of instructor.*

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 245 Baroque Composers **2 credits**
This course emphasizes such major Baroque composers as Monteverdi, Schutz, Vivaldi, Gabrieli, Rameau, Purcell, Handel, and J.S. Bach. (This course may be taken for credit as MUSI 245.)

FINA 246 Classical Composers **2 credits**
This course emphasizes such Classical composers as Gluck, Haydn, Mozart, Cherubini, and early Beethoven. (This course may be taken for credit as MUSI 246.)

FINA 247 Romantic Composers **2 credits**
This course emphasizes such Romantic composers as Beethoven, Rossini, Schubert, Berlioz, Mendelssohn, Schumann, Liszt, Wagner, Verdi, Bruckner, Franck, and Brahms. (This course may be taken for credit as MUSI 247.)

FINA 248 Modern and Non-Western Composers **2 credits**
This course emphasizes modern and non-Western composers such as Debussy, Satie, Vaughan Williams, Schoenberg, Ives, Bartok, Stravinski, Barber, Schuman, Menotti, Britten, Penderecki, Stockhausen, Glass, Reich, and others. (This course may be taken for credit as MUSI 248.)

FINA 252 Introduction to Opera **3 credits**
This course is a study of the development of opera since 1600. It emphasizes the examination of operas in the standard repertory, the achievements of major composers of opera, the characteristics of the various operatic genres, and the specialized language of opera. (This course may be taken for credit as MUSI 252.)

FINA 330 Conducting II **3 credits**
This advanced course of study builds on the techniques and repertoire introduced in FINA 230. Emphasis is placed on rehearsal technique and performance practice as well as on the gesture. (This course may be taken for credit as MUSI 330.) *Prerequisite: FINA 230.*

FINA 477 Senior Seminar **2 credits**
This course is a review of material covered throughout the Fine Arts 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 also provided.

FINA 487-488 Independent Study **2-4 credits**

FINA 490 Senior Project **2-4 credits**

Music Courses

MUSI 100 Piano Class **1 credit**
Instruction for this course is through group piano lessons for students with no piano background. Technique, sight reading, harmonization, transposition, and introductory repertoire are studied.

MUSI 101 Introductory Piano **1 credit**
Instruction for this course is through individual piano lessons for students with some keyboard background. Open to anyone wishing lessons or to music majors preparing for the Piano Proficiency exam. The study includes technique and repertoire and may be repeated to a maximum of 4 credits. A lesson fee of \$260 is required.

MUSI 102 Voice Class **1 credit**
Instruction for this course is through group voice lessons for students with little singing background. Individual and part singing, vocal technique, sight reading, and elementary repertoire are studied.

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. An additional course fee is required.

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 108 Guitar Class 1 credit
This course provides beginning instruction in guitar in a small classroom environment.

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 111-112, 211-212, 311-312, 411-412 Applied Piano 1 credit each
These courses provide individualized instruction in piano technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as FINA 111-112, 211-212, 311-312, 411-412.) *Prerequisite: Permission of instructor.*

MUSI 113-114, 213-214, 313-314, 413-414 Applied Guitar 1 credit each
These courses provide individualized instruction in guitar technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as FINA 113-114, 213-214, 313-314, 413-414.) *Prerequisite: Permission of instructor.*

MUSI 115-116, 215-216, 315-316, 415-416 Applied Voice 1 credit each
These courses provide individualized instruction in vocal technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as FINA 115-116, 215-216, 315-316, 415-416.) *Prerequisite: Permission of instructor.*

MUSI 117-118, 217-218, 317-318, 417-418 Applied Organ 1 credit each
These courses provide individualized instruction in organ technique and repertoire based on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as FINA 117-118, 217-218, 317-318, 417-418.) *Prerequisite: Permission of instructor.*

MUSI 121-122, 221-222, 321-322, 421-422 Applied Woodwind 1 credit each
These courses provide individualized instruction in woodwind technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as FINA 121-122, 221-222, 321-322, 421-422.) *Prerequisite: Permission of instructor.*

MUSI 131-132, 231-232, 331-332, 431-432 Applied Brass 1 credit each
These courses provide individualized instruction in brass technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as FINA 131-132, 231-232, 331-332, 431-432.) *Prerequisite: Permission of instructor.*

MUSI 141-142, 241-242, 341-342, 441-442 Applied Percussion 1 credit each
These courses provide individualized instruction in percussion technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as FINA 141-142, 241-242, 341-342, 441-442.) *Prerequisite: Permission of instructor.*

- MUSI 161-162, 261-262, 361-362, 461-462 Applied Strings** **1 credit each**
 These courses provide individualized instruction in string technique and repertoire focusing on a student's experience, ability, and needs. In addition to lessons, students meet periodically with the instructor and other students in a performance seminar. A lesson fee of \$300 is required. (These courses may be taken for credit as FINA 161-162, 261-262, 361-362, 461-462.) *Prerequisite: Permission of instructor.*
- 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.
- 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 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 245 Baroque Composers** **2 credits**
 This course emphasizes such major Baroque composers as Monteverdi, Schutz, Vivaldi, Gabrieli, Rameau, Purcell, Handel, and J.S. Bach. (This course may be taken for credit as FINA 245.)
- MUSI 246 Classical Composers** **2 credits**
 This course emphasizes such Classical composers as Gluck, Haydn, Mozart, Cherubini, and early Beethoven. (This course may be taken for credit as FINA 246.)
- MUSI 247 Romantic Composers** **2 credits**
 This course emphasizes such Romantic composers as Beethoven, Rossini, Schubert, Berlioz, Mendelssohn, Schumann, Liszt, Wagner, Verdi, Bruckner, Franck, and Brahms. (This course may be taken for credit as FINA 247.)
- MUSI 248 Modern and Non-Western Composers** **2 credits**
 This course emphasizes modern and non-Western composers such as Debussy, Satie, Vaughan Williams, Schoenberg, Ives, Bartok, Stravinski, Barber, Schuman, Menotti, Britten, Penderecki, Stockhausen, Glass, Reich, and others. (This course may be taken for credit as FINA 248.)
- 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. An additional course fee is required.
- 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. An additional course fee is required.
- MUSI 252 Introduction to Opera** **3 credits**
 This course is a study of the development of opera since 1600. It emphasizes the examination of operas in the standard repertory, the achievements of major composers of opera, the characteristics of the various operatic genres, and the specialized language of opera. (This course may be taken for credit as FINA 252.)
- 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 330 Conducting II **3 credits**
This advanced course of study builds on the techniques and repertoire introduced in MUSI 230. Emphasis is placed on rehearsal technique and performance practice as well as on the gesture. (This course may be taken for credit as FINA 330.)
Prerequisite: MUSI 230.

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**

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 124 Dance for Fitness **1 credit**
This course provides experiences in a variety of dance activities. (May be taken for credit as PHED 124.)

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.

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 2 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 254 Costume Design 2 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. *Prerequisite: THEA 151.*
- 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 Advanced Design Projects 1-3 credits**
This course provides intensive instruction and experience in design for a script or production. This course may be taken as repeatable credit in any half-semester either concurrent with or subsequent to completion of the project. *Prerequisites: Permission of the instructor and THEA 251, 252, or 254 as applicable.*
- 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**

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 constructing a painting. Working from still life, landscape, the figure, and the imagination, students explore fundamentals of color and composition both formally and for their expressive potential. An additional course fee is required.
- VISA 213 Printmaking I 3 credits**
This course is an introduction to the creating of relief and intaglio prints using a variety of processes. Oil based ink and watercolor monoprints are explored. Students are expected to develop a working vocabulary of technical terms and processes. An additional course fee is required.
- VISA 221 Clay I 3 credits**
This course is a concentrated study of the processes, various techniques, and history of ceramic art. Emphasis is on clay construction methods involving wheel-throwing, handbuilding, firing, and glazing pottery, and on experimentation with ceramic sculpture. An additional course fee is required.
- 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. An additional course fee is required. *Prerequisite: VISA 211.*
- 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.

- 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 studio course enabling students to focus on specific printmaking problems and demonstrate a high level of initiative and ability. An additional course fee is required. *Prerequisite: VISA 313.*
- 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.
- VISA 487-488 Independent Study 2-4 credits**
- VISA 490 Senior Project (Art Exhibit) 2 credits**



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Professors

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B.A., Bethany College; M.A., West Virginia University; Mississippi State University.

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B.S. Fairleigh Dickinson University; Ph.D., University of New Hampshire.

JOHN H. HULL, *Professor of Psychology.* (1976).
B.S., Alma College; M.A., Ph.D., Kent State University.

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B.S., Manhattan College; M.S., Springfield College.

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B.A., M.S., Ed.D., West Virginia University; The American University of Beirut.

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B.A., Bethany College; M.A., Ph.D., West Virginia University.

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B.A., College of St. Thomas; Ph.D., University of Tennessee.

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B.A., Alderson-Broaddus College; M.S.W., West Virginia University.

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B.A., Wabash College; M.S., Ph.D., Louisiana State University.

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B.S., Chubu Institute of Technology (Japan); M.S., (Mathematics: Electrical and Computer Engineering), M.S., (Mathematics: Computer Science), Ohio University.

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B.S., Lebanese University; M.S. (Physics), M.S. (Mathematics: Computer Science), Ph.D., Ohio University;
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B.A., Edinboro University of Pennsylvania; M.L.I.S., University of Pittsburgh.

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B.A., Kirkland College; Ph.D., University of Virginia.

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B.A., University of Calcutta, India; M.B.A., Ph.D., University of Cincinnati.

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B.A., The University of the South-Sewanee; M.A., The University of South Alabama; Ph.D., University of Texas at Dallas.

WILLIAM T. HICKS, *Associate Professor of Biology*. (2003).
B.S., Bloomsburg University; M.S., Miami University, Ohio; Ph.D., Oregon State University.

JAMES W. FARWELL, *Thomas W. Phillips Chair of Religious Studies, Associate Professor of Religious Studies, and Chair of the Department of Religious Studies and Philosophy*. (2007).
B.A., Catholic University of America; M.Div., The General Theological Seminary; Ph.D., Emory University.

Assistant Professors

JANICE L. FORSTY, *Assistant Professor of Physical Education, Associate Director of Intercollegiate Athletics and Recreation, Head Softball Coach, and Head Women's Tennis Coach*. (1987).
B.S., Slippery Rock State College; M.S., Slippery Rock University.

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B.A., Maryville College; M.S., United States Sports Academy.

PANDEL L. COLLAROS, *Assistant Professor of Music*. (1999).
B.A., M.A., The Ohio State University.

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B.A., Bethany College; M.A., B.Ed., University of Toronto.

DAVID J. RUDARI, *Assistant Professor of Music*. (2000).
B.M., SUNY College at Fredonia; M.M., University of Wyoming.

MARK A. AFFELTRANGER, *Assistant Professor of Psychology and Chair of the Department of Psychology*. (2003).
B.S., M.S., Ph.D., University of Pittsburgh.

MELANEE W. SINCLAIR, *Assistant Professor of Social Work and Coordinator of Field Placements*. (2004).
B.A., West Virginia Wesleyan College; M.S.W., West Virginia University.

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B.A., Westminster College; M.B.A., West Virginia Wesleyan College.

STEPHEN A. UPTON, *Assistant Professor of Physical Education, Assistant Football Coach, and Head Track and Field Coach*. (2004).
B.S., West Virginia Institute of Technology; M.B.A., West Virginia Wesleyan College.

BARRY J. CHRISTMAS, *Assistant Professor of Physical Education and Head Women's Soccer Coach*. (2005).
BTEC National Diploma, South Cheshire College, Crewe; Honours Degree, Staffordshire University; Post Graduate Certificate in Education, Manchester Metropolitan University.

- BROOKE LEMMONS DEAL, *Assistant Professor of Religious Studies*. (2005).
B.A., Southwest Missouri State University; M.Th., Brite Divinity School; Ph.D., Brite Divinity School.
- RICHARD T. RUSHTON, *Assistant Professor of Education*. (2005).
B.S., M.Ed., The University of Montevallo; Ed.D., The University of Montana.
- CHRISTINA M. SAMPSON, *Assistant Professor of Education and Director of the McCann Learning Center*. (2005).
B.A., West Liberty State College; M.A., West Virginia University; Ed.D., West Virginia University.
- ROBERT S. SPANGLER, JR., *Assistant Professor of Physics*. (2005).
B.S., Rochester Institute of Technology; M.S., Ph.D., West Virginia University.
- KATRINA L. COOPER, *Assistant Professor of Psychology and Director of First Year Studies*. (2006).
B.A., Siena College; M.S., Ph.D., University of Pittsburgh.
- LAURA L. CRAMBLET, *Assistant Professor of Learning Resources and Coordinator of Library Technical Services*. (2006).
B.A., Bethany College; M.L.I.S., Kent State University.
- ADAM C. FLETCHER, *Assistant Professor of Mathematics*. (2006).
B.S., Bethany College; M.S., John Carroll University.
- JAY A. LIBBY, *Assistant Professor of Communication*. (2006).
B.A., Chapman University; M.Div.Studies, Christian Theological Seminary, Indianapolis; M.A., California State University; D.Min., Andover Newton Theological School.
- MEGAN K. LOWRY, *Assistant Professor of Physical Education and Head Athletic Trainer*. (2006).
B.S., Ohio Northern University; M.S., West Virginia University.
- DANIEL J. PHILLIPS, *Assistant Professor of Chemistry*. (2006).
B.A., University of California, San Diego; M.S., California State University, East Bay; Ph.D., University of Nevada.
- MARC B. SABLE, *Assistant Professor of Political Science and Director of International Studies*. (2006).
B.A., M.A., Ph.D., University of Chicago.
- VIRGIL G. THOMPSON, *Assistant Professor of Accounting*. (2006).
B.S., West Liberty State College; J.D., West Virginia University College of Law; C.P.A.
- STEVEN A. CARELLI, *Assistant Professor of History*. (2007).
B.A., West Virginia Institute of Technology; M.A., Ph.D., Southern Illinois University, Carbondale.
- TRACIE L. DUNCAN, *Assistant Professor of Theatre*. (2007).
B.A., Knox College; M.F.A., George Washington University.
- LISA J. HICKS, *Assistant Professor of Education*. (2007).
B.A., Bethany College; M.Ed., Florida Gulf Coast University.
- ERICH D. LIPPMAN, *Assistant Professor of History*. (2007).
B.A., Asbury College; M.A., Ph.D., University of Minnesota.
- JACLYN A. RIFFLE, *Assistant Professor of Education*. (2007).
B.S., Fairmont State University; M.S., Old Dominion University.
- JANICE GARRISON SHEPARD, *Assistant Professor of Education*. (2007).
B.A., Bethany College; M.A., Columbia University Teachers College.
- AMANDA B. STEWART, *Assistant Professor of Biology and Director of Equine Studies*. (2007).
B.S., University of Tennessee, Knoxville; M.S., Ph.D., West Virginia University.
- TRACI TUTTLE, *Assistant Professor of Education and Coordinator of the Program for Academic and Social Success*. (2007).
B.A., Wheeling Jesuit University; M.Ed., Vanderbilt University, Peabody College.
- R. WILEY CASH, JR., *Assistant Professor of English*. (2008).
B.A., University of North Carolina at Asheville; M.A., University of North Carolina at Greensboro; Ph.D., University of Louisiana at Lafayette.
- 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.

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B.A., Franklin and Marshall College; M.L.I.S., University of Pittsburgh.

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B.S., Mercyhurst College; Ph.D. Oklahoma State University.

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B.A., St. John Fisher College; M.S., Boston University; Ph.D., Bowling Green State University.

ELIZABETH LANGEMAK, *Assistant Professor of English*. (2009)
B.A., St. Norbert College; M.A., Boston University; M.A., The University of Missouri; Ph.D., The University of Missouri.

LAUREL TANGEN-FOSTER, *Assistant Professor of Education*. (2009)
B.A.S., University of Minnesota-Duluth; M.Ed., University of Idaho; Ph.D., University of Idaho.

COREY J. WINGEN, *Assistant Professor of Physical Education and Assistant Trainer*. (2009)
B.S., Ohio Northern University; M.S., University of Kentucky.

Distinguished Lecturers

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B.A., West Liberty State College.

WILLIAM J. CURRAN, III, *Lecturer in Political Science*. (2002).
B.S. and J.D., The Creighton University.

LORI L. BOHENKO, *Lecturer in Equine Studies*. (2006).
B.S., University of New Hampshire; D.V.M., Ohio State University.

PATRICIA ANN BARBEAU, *Lecturer in Social Work and Field Liaison*. (2006).
B.A., University of Pittsburgh; M.S., West Virginia University; MSSA, Case Western University.

ELIZABETH HOFREUTER-LANDINI, *Lecturer in Education*. (2006).
B.A., Princeton University; Ed.M., Harvard University.

JEFFREY L. IRWIN, *Lecturer in Music*. (2006).
B.A., M.F.A., Carnegie Mellon University.

JAMES A. FORBES, *Lecturer in Communication*. (2007)
B.A. University of South Carolina.

JULIANNE MAHER, *Lecturer in World Languages and Cultures*. (2007)
A.B., Wellesley College; M.A., Middlebury College; M.A., Ph.D., New York University.

JOHN E. OSBORNE, *Lecturer in Business and Economics and Director of Career Counseling and Placement*. (2007).
B.A., Bethany College; M.S., Massachusetts Institute of Technology.

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.

JOHN R. TAYLOR, *Professor of English Emeritus*. (1955-1992).
B.A., Bethany College; M.A., Princeton University; University of Akron; University of Kansas; University of Birmingham, (England); University of Edinburgh; University of Oxford; HH.D., Bethany College.

ROBERT A. SANDERCOX, *Senior Vice President Emeritus*. (1957-1997).
B.A., Bethany College; M.Div., Yale University; University of Buffalo; West Virginia University; Litt.D., Bethany College.

JOSEPH M. KUREY, *Vice President and Treasurer Emeritus*. (1962-2007).
B.S., Bethany College; M.S., University of Dayton.

ROBERT E. MYERS, *Professor of Philosophy Emeritus*. (1964-2001).
B.A., Bethany College; M.Div., Texas Christian University; Ph.D., Ohio State University.

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.

- MARJORIE E. CARTY, *Lecturer in Foreign Languages Emeritus*. (1965-1984).
Ph.B., University of Chicago; Clark University; Saltillo (Mexico) State Teachers College; University of Nicaragua; Bethany College; West Virginia University; University of Puerto Rico; Universidad Iberoamericana.
- 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.
- JOHN U. DAVIS, *Professor of Education Emeritus*. (1966-1995).
B.A., Bethany College; M.A., Ed.D., Columbia University; University of Nebraska; University of Oxford; Harvard University; West Virginia University; Ped.D., Bethany College.
- 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.
- STANLEY L. BECKER, *Professor of Philosophy and General Science Emeritus*. (1968-2003).
B.S., New York State College of Forestry; Ph.D., University of Wisconsin.
- 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.
- LEONORA BALLA CAYARD, *Professor of Foreign Languages Emeritus*. (1970-1986).
Ph.D., Marburg University; Yale University.
- LARRY E. GRIMES, *Professor of English 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., *Professor of 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.
- T. GALE THOMPSON, *Professor of Psychology Emeritus*. (1974-2009).
B.A., M.A., Ph.D., University of Missouri.
- ALBERT J. OSSMAN, JR., *Professor of Political Science Emeritus*. (1982-1992).
B.A., M.A., Ph.D., Syracuse University.
- DONALD L. EILENSTINE, *Professor of Economics*. (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.
- JAMES KEEGAN, *Professor of Communication Emeritus*. (1990-2003).
Cert.Ed., University of Bristol; Dip.P.E., University of Leeds; M.Ed., University of Bristol; M.Sc., University of Bradford; M.A., University of Lancaster.

Advisors

For Majors

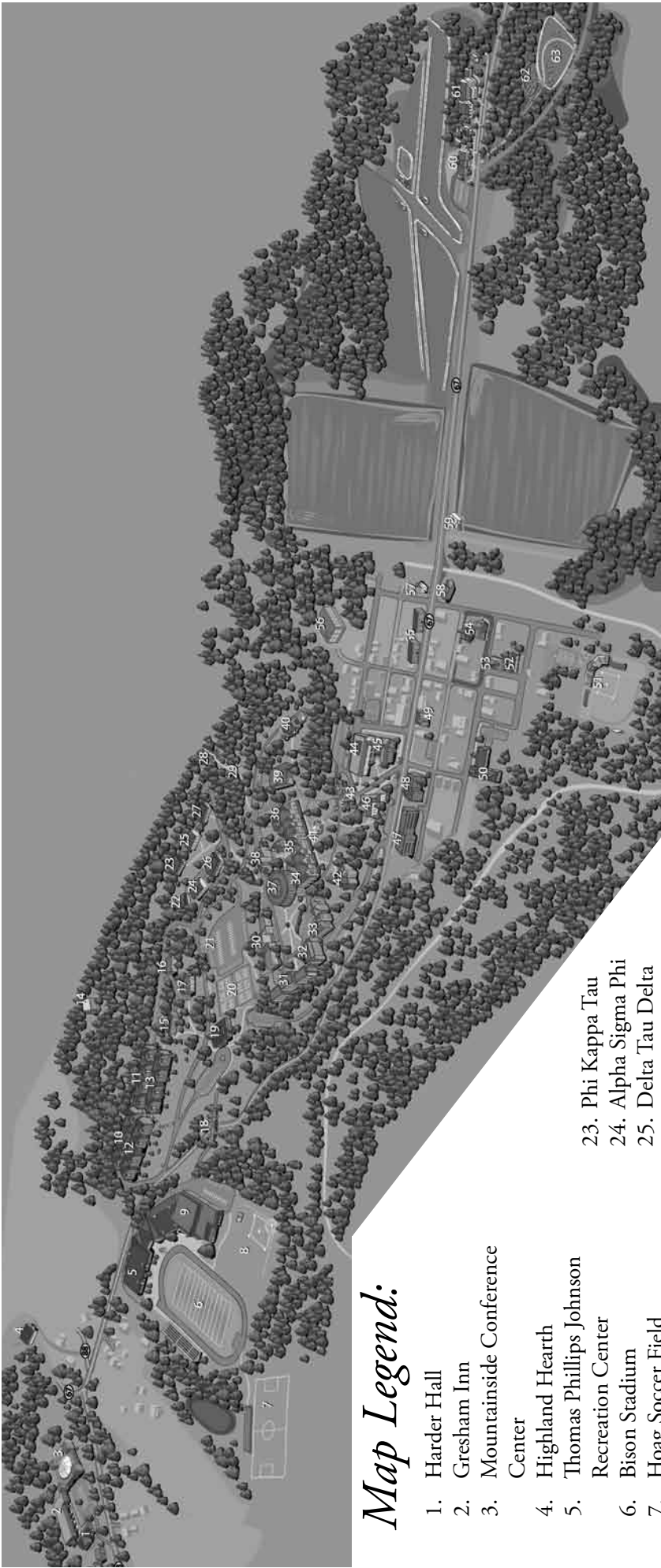
Accounting.....	Virgil G. Thompson
Biology.....	Albert R. Buckelew, Jr.
Chemistry.....	Robert A. Paysen
Communication.....	Patrick J. Sutherland
Computer Science.....	Fujiko O. Sawtarie
Economics and Business.....	W. Randolph Coeey
Education.....	Richard T. Rushton
Education and Psychology.....	Richard T. Rushton
English.....	J. Walton Turner, Jr.
Environmental Science.....	Albert R. Buckelew, Jr.
Fine Arts.....	Kenneth L. Morgan
History.....	Erich Lippman
Interdisciplinary Studies.....	Elizabeth M. Hull
International Economics with Study Abroad.....	Wilfrid W. Csaplar, Jr.
International Relations.....	Clinton W. Maffett
Mathematics.....	Mary Ellen Komorowski
Physical Education.....	Wallace B. Neel
Physics.....	Majid A. Sawtarie
Political Science.....	Clinton W. Maffett
Psychology.....	John H. Hull
Religious Studies.....	James W. Farwell
Social Studies.....	Keely O. Camden
Social Work.....	Katherine Shelek-Furbee
World Languages.....	Joseph B. Lovano

For Career Interests

Advertising.....	Patrick J. Sutherland
Dentistry.....	Robert A. Paysen
Drama.....	Luke L. Hardt
Engineering.....	Majid A. Sawtarie
Law.....	Clinton W. Maffett
Medicine.....	Robert A. Paysen
Ministry.....	James W. Farwell
Music.....	David J. Rudari
Physical Therapy.....	John H. Hull
Print.....	Patrick J. Sutherland
Public Relations.....	Patrick J. Sutherland
Radio.....	Patrick J. Sutherland
Social Work.....	Katherine Shelek-Furbee
Teaching.....	Richard T. Rushton
Television.....	Patrick J. Sutherland
Veterinary Medicine.....	Robert A. Paysen

For Special Services

Counseling.....	Office of Student Life
Career Counseling.....	Office of Career Counseling and Placement
Fundamental Studies.....	Christina M. Sampson
International Students.....	Marc B. Sable
Graduate Fellowships, Scholarships.....	David J. Rudari
Social Security and Veterans' Benefits.....	Registrar
Social and Recreational Activities.....	Office of Student Life
PASS.....	Christina M. Sampson
Study Abroad.....	Marc B. Sable
Transfer Students.....	Registrar
Undergraduate Scholarships.....	Office of Admission
Writing.....	J. Walton Turner, Jr.



Map Legend:

1. Harder Hall
2. Gresham Inn
3. Mountaintop Conference Center
4. Highland Hearth
5. Thomas Phillips Johnson Recreation Center
6. Bison Stadium
7. Hoag Soccer Field
8. Bethany Softball Field
9. Hummel Field House
10. Campbell Village 1
11. Campbell Village 2
12. Campbell Village 3
13. Campbell Village 4
14. Parkinson Farm
15. Cummins Community Center
16. Woolery House
17. Goodnight House
18. Bethany Bridge
19. Robert C. Byrd Health and Wellness Center
20. Mary Ewing Tennis Center
21. Coal Bowl (Parking Lot)
22. Zeta Tau Alpha
23. Phi Kappa Tau
24. Alpha Sigma Phi
25. Delta Tau Delta
26. Alpha Xi Delta
27. Phi Mu
28. Outdoor Classroom
29. Amphitheater
30. T.W. Phillips Memorial Library
31. Morlan Hall
32. Harlan Hall
33. Phillips Hall/Renner Too/Maxwell's
34. Commencement Hall
35. Old Main
36. Kirkpatrick Hall
37. Richardson Hall of Science
38. Grace Phillips Johnson Visual Arts Center
39. Steinman Fine Arts Center
40. Christman Manor at Pendleton Heights
41. The Aleece Gresham Garden and Fountain
42. Cramblet Hall
43. Olgebay Gates
44. Benedum Commons/Bookstore/Boomers
45. Bethany House–Renner Union/Enrollment/Student Life
46. Cochran Hall
47. Campbell Hall
48. Bethany Memorial Church
49. Delta Tau Delta Founder's House
50. Erickson Alumni Center
51. Bethany Baseball Field
52. Kappa Alpha Order
53. Sigma Nu
54. Beta Theta Pi
55. Faculty Apartments
56. Hurl Education Center
57. Hibernia
58. The Old Meeting House
59. The John Cunningham Soccer Complex
60. Renner (Historic Bethany) Visitor's Center
61. Campbell Mansion
62. God's Acre Cemetery
63. Bethany Community Cemetery

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Notices

All provisions in this Catalogue are subject to change without prior notice.

Bethany College admits students of any race, color, sex, religion, sexual orientation, disability, and national or ethnic origin to all of the rights, privileges, programs, and activities generally accorded or made available to students at the school. Bethany does not discriminate on the basis of race, color, sex, religion, sexual orientation or nation or ethnic origin in the administration of its educational policies, scholarship and loan programs, athletic activities, or other school-administered programs.

In all matters related to employees and students, Bethany College does not discriminate on the basis of race, sex, age, national origin, religious preference, sexual orientation, status as a Vietnam-era veteran, documented disability, or infection with AIDS or associated diseases. Further, the College takes affirmative steps to recruit members of minority groups and women, and in accordance with federal law it gives preference in employment matters to Vietnam-era veterans and physically-handicapped persons.

Bethany College will not tolerate harassment of its employees. Any form of harassment related to an employee's race, color, sex, religion, national origin, age, or documented disability is a violation of this policy and will be treated as a disciplinary matter. For these purposes, the term *harassment* includes, but is not necessarily limited to slurs, jokes, other verbal, graphic, or physical conduct relating to an individual's race, color, sex, religion, national origin, age, or physical or mental handicap. *Harassment* also includes unwelcome sexual advances, requests for sexual favors, and other verbal, graphic, or physical conduct of a sexual nature.



Bethany

A Small College of National Distinction