THE
JEWELL
JOURNEY
Mission Statement

William Jewell College promises students an outstanding liberal arts education that cultivates leadership, service, and spiritual growth within a community inspired by Christian ideals and committed to open, rigorous intellectual pursuits.

Accreditation

William Jewell College is accredited by The Higher Learning Commission and is a member of the North Central Association. The following departments are also accredited: Education by the Missouri Department of Elementary and Secondary Education; Music by the National Association of Schools of Music; Nursing by the Missouri State Board of Nursing and the Commission on Collegiate Nursing Education.

Equal Opportunity

William Jewell College pursues a nondiscriminatory policy with regard to employment and educational programs and endeavors to comply with Title IX of the Education Amendments of 1972, which prohibits discrimination on the basis of sex, and with other legislation applicable to private, four-year undergraduate colleges. The College is committed to providing equal employment opportunity for all persons regardless of age, disability, gender, genetic information, national origin, race/color, religion, sex, sexual orientation, or veteran status. Equal opportunity extends to all aspects of the employment relationship, including hiring, promotion, terminations, compensation benefits and other terms and conditions of employment. The College complies with federal, state and local equal opportunity laws and strives to keep the workplace free from forms of illegal discrimination and harassment.

Inquiries with regard to compliance with Title IX should be directed to Dr. Andy Pratt, Executive Director, Center for Justice and Sustainability, William Jewell College, 500 College Hill, Liberty, MO 64068; phone: 816-415-7557, email: pratta@william.jewell.edu; office location: 200 Gano Chapel. Policies and grievance procedures can be found on the Jewell website (www.jewell.edu), Employee Handbook, and Student Handbook. The College also has a Professional Conduct and No Harassment Policy that is set forth in the Jewell Employee Handbook.

FERPA

William Jewell College complies with the Family Educational Rights and Privacy Act (FERPA) of 1974, as amended. FERPA affords students certain rights with respect to their educational records. These rights include the following:

• The right to inspect and review the student’s educational records within a reasonable time after the College receives a written request for access. Students should contact the College office that maintains the record(s) they wish to inspect.

• The right to request the amendment of the student’s educational records that are believed to be inaccurate, misleading, or inappropriate. A student who wishes to ask for the amendment of a record should write to the official responsible for the record, clearly identify the part of the record that the student wants changed, and explain why it should be changed. If the College decides not to amend the record as requested, the College will notify the student in writing and advise the student of the right to a hearing on the matter. The student also has the right to place with the educational record a statement commenting on the information in question.

• The right to provide written consent before the College discloses personally identifiable information from the student’s educational records. One example of an allowed exception to this right is the disclosure of records to individuals connected with the College who have legitimate educational interests. A person has a legitimate educational interest if the information will be used in conjunction with the fulfillment of his/her official responsibilities for the College.

• The right to be notified annually of the rights granted under FERPA.

• The right to file a complaint with the Family Policy Compliance Office of the United States Department of Education concerning alleged failures by the College to comply with the requirements of FERPA.

It is the College’s policy to require that all students provide specific written consent before confidential information is disclosed to anyone besides school officials, including parents and/or legal guardians, except as required by law. Examples of confidential information are academic records (grades, transcripts, etc.), current class schedules, and disciplinary records. During the disciplinary process, we may require a student to contact his/her parent(s) and/or legal guardian(s) and/or relevant school officials, depending on the circumstances and the student’s age and involvement.
FERPA permits disclosure and verification of directory information, without prior notification of the student, unless the student has submitted a written request with the Office of the Registrar for this information to be kept confidential. Examples of directory information are name; local and home address; telephone listing; email address; photograph; date and place of birth; major field(s) of study; enrollment status and classification; dates of attendance; participation in officially recognized activities and sports; weight and height of members of athletic teams; degrees, honors, and awards received; and the most recent educational institution attended before Jewell. FERPA applies to any student who has been “in attendance” at the College. Thus, a student’s rights under FERPA begin on the day that the student first attends a class.

Official Communication with Students

William Jewell College communicates a variety of information to its students. Some of the information is time-sensitive, related to matters such as registration dates and procedures, deadlines for refunds and dropping courses, academic standing, and college housing policies. It is essential that all such communications be received by students in a timely manner.

As a result, William Jewell College has designated certain addresses as our official means of communicating with students. These official addresses are the student’s college-issued email address, the local address for the semester (the college-assigned mailbox if the student lives on campus), and the permanent home address as shown in the College’s database.

The College will consider that it has communicated successfully with a student as long as the communication has been sent to any one of those addresses. Therefore, it is the student’s responsibility to assure access to all of these addresses, to check them regularly for any communications from the College, and to inform the Registrar’s office immediately of any changes in an address.

Students with Disabilities

The College’s 504/Disabilities Coordinator is the Director of Counseling Services, Beth Gentry-Epley, Psy.D. Detailed information about disability services at William Jewell College can be found on the College website: jewell.edu. Dr. Gentry-Epley can be reached at (816) 415-5946 or gentry-epleyb@william.jewell.edu.

It is the policy of the College to provide equal access and educational opportunities to qualified students with physical or learning disabilities, in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. Students requesting accommodations will need to provide appropriate, detailed documentation of: 1) a disability, which is a physical and/or learning impairment that substantially limits one or more major life activities; and 2) a need for accommodation, by virtue of the specific functional limitations of the disability, to have equal access to educational opportunities. William Jewell College intends to provide reasonable accommodation(s) for any documented disability that is certified as meeting eligibility requirements. The Office of Counseling Services is available to offer support and assistance in developing skills for coping with the disability as it relates to college life.

Catalog Accuracy and Changes

Every effort is made to ensure that this catalog is accurate and reflects the policies and curriculum of William Jewell College as of the date of its publication. However, curriculum, policies and personnel often change in the interval between editions of the catalog and may not be reflected in this annual document. The College website may contain more recent information about personnel, policies, and programs.
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Admission

Admission to William Jewell College is selective and is based on the evaluation of secondary school coursework and GPA, college admission test scores, co-curricular activities and attempted college coursework, as well as other indicators of ability and character. Applications are evaluated on a rolling basis; however, due to the limited number of spaces in the first-year class, students are encouraged to apply for admission early in their senior year of high school. Transfer applicants are also encouraged to apply for admission (see Transfer Student section for admission requirements) and are evaluated on a rolling basis as well.

William Jewell College requires first-year applicants to complete a minimum of 15 college prep academic units (as distributed below) in an accredited high school to be eligible for admission. The College further recommends at least an additional four academic electives, particularly one each in math and foreign language.

- 4 units of English – Two units must emphasize composition or writing skills; one unit may be in speech or debate.
- 3 units of mathematics – Algebra I and higher units must be used to meet this requirement.
- 3 units of science – General science is not included; one unit must be a laboratory science.
- 3 units of social studies
- 2 units of a foreign language
- 4 additional units selected from the areas above

Applications are encouraged from any student meeting these standards regardless of age, disability, gender, national origin, race/color, religion, sex, sexual orientation, or veteran status.

Individual consideration is given to veterans and other mature applicants who may not meet all requirements. The College reserves the right to deny admission to any applicant whose academic history or personal qualifications are judged to be unsuitable for college work or living at William Jewell College.

Application Procedure for First-Year Admission

Candidates for admission are advised to submit the following:

1. A completed Application for Admission and Scholarship (A $25 application fee must be received before processing begins.)
2. An official copy of the high school transcript and a transcript of credits from other post-secondary institutions
3. Official results from the SAT or ACT. These may be reported on the high school transcript or sent directly from the testing center. William Jewell's SAT code is 6941; our ACT code is 2394.
5. A personal statement or graded essay (250 – 500 words)

Students may submit an optional academic recommendation from a teacher or professor in support of the application. Nursing and Oxbridge Honors Program candidates should be aware that there are some unique additional application requirements for these programs as set forth in the departmental handbooks.

Additional requirements for applying to the Oxbridge Honors Program:

1. The Oxbridge essay (should be substituted for the personal statement or graded essay)
2. Two academic letters of recommendation
3. An interview with the Oxbridge Selection Committee

Students applying to the direct entry nursing program must submit the Nursing Supplement form in addition to the Application for Admission and Scholarship.
Home-Schooled Applicants

William Jewell welcomes applications from home-schooled students. Such students who would like to apply for admission should fill out the Application for Admission in addition to providing the following items:

- A high school transcript provided by a diploma-granting organization or completion of the Transcript Form by the person primarily responsible for your educational experience.
- Classes taken at two- and four-year colleges are evaluated by the Admission Committee and should be included on the high school transcript or transcript template form. In addition, official transcripts are needed from any two- or four-year colleges where a student has received college credit.
- Official standardized test score reports (ACT and/or SAT). Home-schooled students do not need to take the GED.
- One academic recommendation to be completed by a teacher or professor who can attest to the applicant’s academic abilities, preferably from a non-family member.
- A separate page, addressing the following questions:
  1. Are you going to receive a state-recognized high school diploma?
  2. What formal curriculum do you use (if any)?
  3. Please include any additional comments or information that will increase our understanding of your home-schooling experience.

General Education Diploma

A high school equivalency diploma will be accepted in place of high school graduation if the applicant has scored at least 2750 with a minimum standard score of 550 on each subsection. An official score report must be submitted; photocopies and faxes will not be accepted.

Requirements for Transfer Admission

William Jewell College welcomes transfer students from regionally accredited two- and four-year colleges. Students should be aware that degree requirements vary from institution to institution; thus, they should examine the academic program requirements at William Jewell early in the college experience in order to arrange the most efficient course articulation.

The following guidelines and policies apply to Transfer Admission:

- Students must normally present a GPA of 2.5 on a 4.0 scale to be considered for admission.
- Courses will be considered for credit as they apply to the curriculum offered at William Jewell College, provided the student presents course grades of C- or higher.
- Courses that are not accepted toward a degree at the original institution will not normally be accepted in transfer to William Jewell.
- The final determination concerning whether credit is transferrable is made by the College Registrar, who may consult with department chairs.
- Credit from other institutions that is presented for possible transfer to Jewell will be examined in chronological order. Once 64 hours of work have been accepted, then any subsequent hours earned at a two-year college will increase the number of hours required for graduation from Jewell.
- A minimum of 30 semester hours must normally be completed in residence at William Jewell, including at least 12 hours in the major, to meet graduation requirements (see Graduation Requirements).
- Transfer students with fewer than 26 transferable college credit hours that have been earned since finishing high school will normally complete William Jewell's Core Curriculum in its entirety through William Jewell courses and must submit a final high school transcript and official copies of ACT or SAT scores. (Exceptions may be made for some 100-level CTI courses.)
- Transfer students must submit transcripts from all post-secondary institutions attended, whether or not credit was completed.
Application Procedure for Transfer Admission

Candidates for transfer admission are advised to submit the following:

1. A completed Application for Admission and Scholarship. (A $25 application fee must be received before processing begins.)
2. Official copies of transcripts from each college previously attended, even if credit was not awarded.
3. A copy of the high school transcript if fewer than 26 hours of transferrable college credit has been earned since finishing high school.
4. Official ACT or SAT scores if fewer than 26 hours of transferrable college credit has been earned since finishing high school.

Requirements for Re-admission

William Jewell students who have been away from the College for only one semester without enrolling in courses elsewhere must contact the Office of Admission.

Students who have been away more than one semester, or who enrolled elsewhere during their time away, are required to reapply for re-admission to the College. This may be accomplished by completing the Application for Admission and Scholarship online (www.jewell.edu/apply) and supplying official transcripts for any academic work attempted or completed at other institutions. Students are strongly encouraged to file a FAFSA in order to attempt to qualify for available financial aid.

A student who is re-admitted to Jewell, even if credit has been accumulated elsewhere, is not categorized as a transfer student. Rules that govern the use of credit earned elsewhere by transfer students to meet CTI requirements cannot be expected to apply to the credit earned while away from Jewell. However, a student who has matriculated at Jewell and who subsequently leaves Jewell and is a full-time student at other institutions for at least three semesters (not counting work done overseas or in the summer) will be allowed to substitute transfer work for CTI courses according to the rules for transfer students.

Enrollment Deposit

Students who are admitted to the College are required to submit a $300 enrollment deposit to reserve a space in the incoming class. $200 of this deposit is applied to first-semester charges; $100 is held on account.

First-year students are expected to submit this enrollment deposit by the National Reply Date of May 1st. Transfer and re-admitted students should make this deposit as soon after receiving an admission decision as possible (but at least two weeks prior to enrollment).

Credit Earned During High School and Test Credit

The College imposes no limit on the amount of credit a student may earn while still enrolled in high school or by examination, although a minimum of 30 credit hours in residence is required for a degree from William Jewell College. Credit by examination is recorded on the student’s transcript without a letter grade and with the notation “Credit by Examination.”

Advanced Placement (AP) Credit

William Jewell College offers Advanced Placement (AP) credit in cooperation with The College Board. AP score reports should be sent to the Office of Admission. A minimum exam score of 4 is required to be eligible for AP credit in most areas. A listing of tests and the scores required is available online. Students may receive advanced placement (with or without credit) in some disciplines, dependent upon the score received on the exam.

International Baccalaureate (IB) Credit

The College recognizes credits earned through the International Baccalaureate program, to be allocated at the individual department’s prerogative and the discretion of the Registrar. A listing of tests and the scores required is available online.

College-Level Examination Program (CLEP) Credit

Credit may be granted through the College-Level Examination Program (CLEP) if exams are taken before matriculating at Jewell. Official CLEP score reports must be sent to the Office of the Registrar for evaluation and determination of credit. The actual awarding of academic credit for CLEP tests is at the discretion of the individual departments and the Registrar.
Credit by Examination

Credit may be granted through departmental examinations. The actual awarding of academic credit is at the discretion of the individual departments. For associated fees, see the Summary of Charges in the Financial Cost Information section of the catalog.

Dual Credit (High School/College)

Credit earned during high school, taken under the auspices of a regionally-accredited college or university, will be considered for application as transfer credit toward a William Jewell College degree. An official college or university transcript is required for evaluation and granting of credit. Courses with a grade lower than C- will not be accepted for credit toward graduation. Credit will not be granted on the basis of the high school transcript. The final determination concerning whether credit will be accepted will be made by the College Registrar, who may consult with department chairs.

Concurrent Enrollment/Summer Credit

Students who satisfy admission requirements after their junior year in high school may be granted permission to take one course concurrently (i.e., while finishing high school) at a reduced rate during the fall semester or spring semester. Students must submit an Application for Admission, an official high school transcript, official copies of ACT or SAT scores, and a letter of support from a high school counselor or principal. Early admission to the College as a concurrent student does not guarantee admission to the College as a full-time student after the completion of high school.

High school students demonstrating exceptional academic ability may enroll for classes during Jewell's summer session following their junior year but should expect to be charged tuition at the regular summer rate.

A+Jewell Dual Admission Program

Students who are attending the Kansas City Metropolitan Community Colleges (MCC) and who intend to enroll at Jewell after the completion of their Associate's Degree are encouraged to participate in the A+Jewell Dual Admission Program. Students in this program are expected to apply for admission at Jewell and complete the A+Jewell application supplement within the first four weeks of their second semester at MCC.

Students who are enrolled in the A+Jewell Dual Admission Program and who have completed a minimum of 30 credit hours at MCC with a GPA of 3.0 or better are eligible to take select courses at Jewell at a reduced tuition rate while they continue their work at MCC. (Refer to the concurrent student rate in the Summary of Charges in the section on Financial Cost Information.) Students in this program are given special assistance by the transfer counselor in the Office of Admission and are assigned a faculty academic advisor in their area of interest at Jewell. Credit earned at Jewell through this Program is allowed to count toward both the Associate's Degree from MCC and the Bachelor's Degree from Jewell.

International Students

All admission policies, documents, credentials, timetables, and requirements for domestic students apply to international students. William Jewell College recognizes credits and diplomas from properly accredited international schools and colleges once appropriate official documentation is received and translated (if necessary). Students who have earned college-level credit at institutions outside the United States must normally submit a transcript for such work for evaluation to a member of the National Association of Credential Evaluation Services (NACES) with results to be forwarded directly to William Jewell. The Registrar, who may consult with department chairs, will determine the nature of the courses and the number of credits granted once translations and evaluations of syllabi, catalogs, and credentials are complete.

English Language Proficiency

International applicants must prove English language competency in at least one of the following ways:

1. A minimum of 550 (paper based) or 79-80 (web based) on the Test of English as a Foreign Language (TOEFL).
3. A minimum of 450 on the verbal component of the SAT or 22 on the ACT.
4. Grades of B or higher in English composition courses where English is the institutional language of instruction.
5. For transfer students, two semesters with grades of B or higher in English composition courses at regionally accredited post-secondary institutions in the United States.
6. Successful completion of a NASFA recognized ESL program.
Application Procedure for International Students

International students are required to submit the following items:

1. Completed Application with a nonrefundable $25 application fee. Funds must be drawn on a U.S. bank and made payable in U.S. dollars.
2. Original or certified copies of examination results, diplomas, and course syllabi. International transcripts and other documents must be translated and evaluated by a member of NACES, with results forwarded directly to William Jewell. (Members of NACES can be found at www.naces.org.)
3. Standardized test scores from either the ACT or the SAT are strongly recommended but not required for admission, but standardized test scores must be available for scholarship consideration.
4. Proof of English Language Proficiency. Proficiency may be demonstrated with the qualifying TOEFL score or by meeting other William Jewell College approved criteria.
5. Certificate of Financial Support. International student applicants requiring a visa to study at William Jewell College must certify that there are sufficient monetary resources to satisfy the costs of attendance. A Certificate of Eligibility (I-20) will not be issued until a current bank statement (within the last 3 months), award letters and affidavits are signed, dated and received by the William Jewell College Office of Admission.

A student visa application (I-20) will be mailed to all admitted international students by the International Student Advisor upon receipt of the $300 enrollment deposit.

The College will provide support and direction to international students throughout their tenure at William Jewell, ensuring compliance with state and federal regulations and helping with adjustments to living in the United States.

International students should expect to live in a campus residence facility and to be paired initially with American roommates. This arrangement provides for a unique living environment and proves to be valuable for all parties.

Admission with Prior Academic Probation or Dismissal

Students applying for admission to the College who are on academic probation or have been academically dismissed from another college or university are subject to a thorough review by the Admission Committee and the Provost of the College. Students who have been academically dismissed from another college or university may not be considered for admission to William Jewell until one year (two semesters) after their dismissal.

Nursing-Accelerated Track

Students may enter the nursing program as a college graduate seeking to complete nursing requirements for the Bachelor of Science with a major in nursing in an accelerated manner. In addition to the Application for Admission, each applicant must complete a Nursing Supplement form and write a personal statement using 250–500 words. Essay guidelines are included on the Nursing Supplement.

Students who enter William Jewell to earn a degree and who already hold a BA or BS degree from a different regionally accredited institution are exempt from all Core Curriculum requirements if at least 90 hours are transferable to William Jewell.

To be considered for January admission, applications and all supporting documents must be submitted by March 1 of the preceding year. To be considered for May admission, applications and all supporting documents must be submitted by August 1 of the preceding year. Policies and procedures are available in the Department of Nursing Student Handbook.

Selection is based upon:

- BA or BS degree from a regionally-accredited college or university (with a minimum of 90 hours in transferable credit, if one wants to be exempt from the requirements of the core curriculum at Jewell)
- Completion of applications to William Jewell College and the Department of Nursing
- Submission of official transcripts from all colleges attended
- Minimum GPA of 2.70
- Prerequisite courses completed prior to the beginning of nursing classes with a grade of C or better in all courses
- Two references
- An interview with members of the nursing faculty
- A written summary of any community, volunteer and health-related experiences
- Completion of the TEAS Reading and Language Comprehension - administered by the Department of Nursing (fee required)

Students who accept an offer of admission to the program are required to undergo a background check whose results must be satisfactory to clinical agencies. (See nursing's section of the catalog for details.)
The Academic Program

The Curriculum

The curriculum of the College includes the following three parts:

I. Academic Core Curriculum: Critical Thought and Inquiry
All students graduating from William Jewell College must complete our core curriculum program. For a complete description of the program, its requirements, policies and courses, please see Academic Core Curriculum in the Programs of Study section of this catalog.

II. Majors and Minors
Each student must complete the requirements of at least one major, with no course grade lower than C-. (The minimum number of hours within a major varies greatly but is always at least 24 hours.) Students who transfer into the College must complete in residence a minimum of 12 hours in the major. For specific requirements of each major, please see the listings in this catalog under Programs of Study. The information provided in this catalog may also be completed by further information in departmental checklists, handbooks, and Web postings by the College.

Students may choose one of the traditional academic majors or may devise an interdisciplinary or non-traditional major from the several hundred courses offered by the college. Instructions and forms for preparing a self-designed major are available through the Office of the Registrar. Proposals for these self-designed majors must be submitted for review by the Curriculum and Educational Policy Committee (CEPC) no later than the third week of the junior year (i.e., four semesters before graduation) or the third week of the student’s second semester at William Jewell College, whichever is later. (No proposal will be accepted during a student’s final semester at the College). A self-designed major must be approved by the CEPC Chair and the Provost before it becomes official.

Students may choose to pursue more than one major. A second, or subsequent, major, with the exception of ACT-In, must involve a minimum of 16 hours of requirements beyond those of the Academic Core and of other majors.

Minors permit students to explore in depth a subject of interest, but with fewer requirements than a major. Requirements for minors normally total between 15 and 24 hours. A grade of C- or higher is required in each course in the minor. A student may earn a minor in a subject even if the student’s major requires some of the same courses, subject to the following general rules:

- Only those courses specifically required for both the major and minor will apply toward both.
- The minor must contain at least three courses totaling a minimum of nine hours not counting toward a major.

Some minors are short introductions to majors, including Chemistry, Economics, French, Math and Spanish. Other minors concentrate in a subject or are interdisciplinary, such as Classical Humanities, Nonprofit Leadership, and Premedicine.

After having been graduated from the College, a student may complete a minor or another major through additional coursework. Transfer work from other institutions will not normally be accepted to meet the requirements of the additional minor or major. The additional major or minor must be one that is offered at the College at the time of the student’s return.

A department may allow a student to use a course that is cross-listed under both Critical Thought and Inquiry (CTI) and a departmental prefix to satisfy both the requirement of the CTI category and a requirement of a minor or of a second major.

III. Elective Courses
A liberal arts education allows students to grow and develop by exposure to a varied curriculum, taught by faculty with a wide range of intellectual and research interests. During their time at Jewell, students take electives to explore areas about which they might like to learn or to engage in intellectual experimentation.
Learning Outcomes
The following learning outcomes were adopted by the faculty in 2006. The educational goals and objectives of the Core Curriculum and of each academic major are linked to these college-wide outcomes.

- Comprehensive knowledge – Jewell graduates demonstrate a breadth and depth of knowledge that prepares them for lifelong learning.
- Intellectual skill – Jewell graduates think critically, independently, and creatively.
- Effective communication – Jewell graduates communicate thoughtfully and effectively.
- Responsible leadership – Jewell graduates show initiative in practicing individual and social responsibility.
- Concern for the common good – Jewell graduates show respect for all persons and multiple viewpoints as they engage others locally and globally.
- An informed ethic – Jewell graduates demonstrate an ethic informed by both the Christian faith and other perspectives.
Academic Policies

The Student’s Responsibility
Students are responsible for knowing their academic status and for awareness of the academic requirements, policies, and procedures as stated in this catalog. While students receive assistance and guidance from advisors, instructors, and staff members, proper completion of requirements for graduation is ultimately each student’s responsibility.

Academic Honesty
At William Jewell College, concepts of freedom and personal responsibility are inextricably bound. The College community functions on the principle that each member respects and protects the rights of his/her fellow citizens. Students are expected to possess the values of mature, self-disciplined persons who appreciate the privilege of education and are willing to accept its responsibilities.

While high expectations of honor and integrity apply to the entire College community, the Honor Code and the Standards of Conduct in the Student Handbook address the expected conduct of students. While affirming the highest standards of honor and integrity in all pursuits, the Honor Code for students specifically addresses lying, cheating, and stealing. It provides for adjudication of alleged infractions of the Honor Code in the academic sphere through an Academic Honor Code Council, which is composed of students, faculty, and staff.

Students attending William Jewell College are expected to adhere to the highest standards of academic integrity and individual conduct and to hold one another accountable. Consequently, persons who possess factual knowledge of any violations of the Honor Code are honor-bound to report them.

Absences
William Jewell College, while prioritizing academics, believes in the education of the whole person and affirms the value of activities beyond the classroom such as participation in athletics, music, debate and theater performance, and attendance at professional/scholarly meetings. The faculty of William Jewell College work together with sponsors of such activities to reach a compromise that respects both the need for students to attend classes and the benefits of participation in co-curricular activities.

It is the responsibility of students to:
• attend classes
• complete all assignments according to the expectations of their instructors
• be aware of the policies of each of their instructors
• monitor their own absences
• inform their instructors in advance of any absences they anticipate for co-curricular activities
• arrange to make up missed work

It is the responsibility of sponsors of college events to:
• work with faculty to prevent scheduling conflicts whenever possible
• schedule events in such a way as to minimize absences from class as much as possible
• inform the faculty in advance of any planned group absences
• offer their assistance in accommodating the needs of students who must hand in assignments or take exams
• recognize that students may not miss unlimited numbers of classes and that faculty members have the right to set limits on absences, even if such absences result from participation in college-sponsored events

It is the responsibility of faculty members to:
• set policies that recognize the value of participation in college-sponsored activities, which might include allowing students to hand in assignments or take exams at alternative times with advance notification, as well as distinguishing between excused and unexcused absences
• set flexible policies, rather than rigid ones
Late Assignments

Students are expected to complete assigned class work on time. A student anticipating absence from class on a day when work is due is normally expected to submit the work in advance of the due date.

If unexpected circumstances such as illness or a personal or family emergency make meeting a due date or attending an examination impossible, it is the student’s responsibility to contact the instructor, in advance of the due date or exam, to explain the situation and request alternate arrangements. Failure to do so may result in a penalty, as determined by the instructor’s judgment and the policy stated in the course syllabus.

Grading and Credit

Students should obtain their semester grades from their individual online MyJewell account, which is accessible with the student’s network username and password. No grade reports are printed or distributed.

Since Fall 2003, William Jewell’s grade scheme has been as follows:

A/A+ = 4.0 points per credit hour
A- = 3.7 points per credit hour
B+ = 3.3 points per credit hour
B = 3.0 points per credit hour
B- = 2.7 points per credit hour
C+ = 2.3 points per credit hour
C = 2.0 points per credit hour
C- = 1.7 points per credit hour
D+ = 1.3 points per credit hour
D = 1.0 point per credit hour
D- = 0.7 points per credit hour
F = 0 points per credit hour
AU = Audit (0 credits; 0 grade points)
CR = Credit by examination
FA = Failed Pass/Fail course
I = Incomplete
IP = In Progress toward Oxbridge examinations
NR = Not Reported
P = Pass
PR = Progress (extended Incomplete)
W = Withdrawn from the course
WD = Withdrawn from the college (all courses)

Grade point averages are computed on the basis of graded hours attempted and the total number of grade points earned. For graduation, the total number of grade points must be two times the number of graded hours attempted at the College; that is, the minimum institutional grade point average must be 2.0.

Three different sets of grade point averages may appear on the student’s transcript.

• Transfer grade point average (grades for any transferable courses from other institutions)
• Institutional grade point average (grades for courses taken through William Jewell College, including approved study-abroad courses)
• Cumulative Transfer & Institutional grade point average (includes grades for both categories)

Decisions about graduation, honors, academic probation, and some financial aid are based solely on institutional grade point average, which does not include grades for transfer credit.

Incomplete Grades

A grade of I (for Incomplete) may be given in any course in which, owing to extenuating circumstances such as serious injury or lengthy illness, a student has been unable to complete the requirements of the course. The assignment of an Incomplete requires a written contract in which the instructor specifies reasons for the Incomplete grade, summarizes the work to be completed, and indicates the student’s grade for the course if no further work is submitted. The contract, containing the student’s signature acknowledging the circumstances, must be submitted to the Office of the Registrar by the date on which grades for the semester are due from the faculty.
The student must complete the requirements of the course within the succeeding fall or spring semester (or sooner if an earlier deadline is imposed by the instructor). Failure to do so results in a change of grade to an F (or to a higher grade, if specified by the instructor in the written contract.) An extension of the deadline for the student's submission of additional work requires an amended written contract between instructor and student and the approval of the Provost of the College.

Repeating a Course

Students must repeat courses required for a major or minor in which the grade earned is below C-. When such courses are repeated at William Jewell and satisfactory performance is recorded, only the repeat grade will be used in determining the grade point average. However, the original grade remains a part of the permanent record (the transcript) without being included in the grade point computation. On the transcript, the credit hours earned for the repeated course will replace the original credit hours. When such courses were taken originally at Jewell but then are repeated at another institution, the original course is unchanged on the permanent record, and the original grade continues to be a part of the institutional GPA. If a grade above F was earned originally and the course is repeated at another institution, then the number of hours required for graduation is increased.

Courses not required for a major or minor in which a grade of below C- is earned may be repeated, if the student chooses. When such a course is repeated at William Jewell and satisfactory performance is recorded, the original grade remains a part of the permanent record (the transcript) without being included in the grade point computation. On the transcript, the credit hours earned for the repeated course will replace the original credit hours. When such courses were taken originally at Jewell but then are repeated at another institution, the original course is unchanged on the permanent record, and the original grade continues to be a part of the institutional GPA. If a grade above F was earned originally and the course is repeated at another institution, then the number of hours required for graduation is increased.

If a student repeats a course in which the original grade is C- or better, those credit hours will increase the number of hours required for graduation, and both grades will be included in grade point computation on the transcript. Students who repeat a course for which the original grade is below C-, and who do not earn a grade of C- or better on the second attempt, are normally not penalized by having both attempts counted in the grade point average.

In order to ensure that the transcript is updated properly, students must submit a Repeat of Course form to the Office of the Registrar when repeating a course. A course may not be repeated using the Pass/Fail option.

Pass/Fail Option

The Pass/Fail option encourages students to attempt courses of interest which might be avoided because of lack of background or heavy course load. Grades of P (Pass) or FA (Failed Pass/Fail) received under this option will not be included in the grade point average computation, but credit earned will apply toward graduation.

Students who elect the Pass/Fail option must submit a signed Pass/Fail Option card to the Office of the Registrar by the end of the first week of classes, and no changes can be made after that deadline. Students electing the Pass/Fail option must abide by the following restrictions and requirements:

- Students must be classified as a sophomore or higher and must be in good academic standing.
- Only one Pass/Fail course is permitted per semester (not including PED activity courses).
- No more than 20 total Pass/Fail hours (excluding PED activity courses) may be counted toward graduation.

The following types of courses may not be taken under the Pass/Fail option:

- No course in a major or minor, including prerequisites to required courses.
- No course specifically required for graduation (including core curriculum requirements, language requirements, and required courses for majors or minors) except PED activity courses.
- No prerequisites to courses meeting the intermediate-level language requirement.
- No course being repeated.
- No course required for teacher certification or pre-professional preparation.
- No course required for the Pryor Leadership Studies Program or other certificate programs.

Instructors are not notified by the Office of the Registrar when their students have chosen the Pass/Fail option. Eligibility for the Dean's List may be affected when one uses the Pass/Fail option, since one must have at least 14 graded hours to be eligible for the Dean's List.

Audit Option

On a space-available basis, students may elect to audit a course (i.e., sit in on a course without receiving credit). No credit is given, and no grade points are earned, but the course will appear on the transcript with a notation of AU in place of a grade. Audited courses do not affect the GPA in any way.
Students who elect the Audit option must submit a signed Audit Option card to the Office of the Registrar by the end of the first week of classes, and no changes can be made after that deadline. The following conditions and requirements apply to the Audit option:

- Students will not be charged an audit fee if their enrollment without the audited class is at least 12 hours and their enrollment with the audited class is not over 18 hours.
- Students whose enrollment without the audited class is under 12 hours will be charged an audit fee according to the currently posted Summary of Charges for that semester.
- Students whose enrollment with the audited class is over 18 hours will be charged an audit fee for the extra hours according to the currently posted Summary of Charges.
- Students may not audit a course that requires physical participation (e.g., studio art courses, music lessons, science laboratories, physical education activity courses, etc.).
- A student may not change a course from audit to credit status after the first week of classes.
- An instructor must agree, by signing the Audit Option card, to allow a student to audit his/her course.

Grade Appeal Procedure

Students who wish to appeal a grade in a course are encouraged first to contact the instructor of the course to attempt to resolve the problem informally.

The instructor, and only the instructor, has the prerogative and responsibility for assigning a grade in a course. The only basis on which an administrator has the right to intervene in the grading process is when there is clear and compelling evidence of unfairness. A student’s dissatisfaction with a grade or with an instructor’s teaching methods or grading standards does not in itself constitute evidence of unfairness.

To appeal a grade formally, the student makes the case in writing to the Provost of the College that the grade is unfair. The Provost forwards a copy of that statement to the instructor and asks for a response, also in writing. Once the Provost has had time to compare the student’s statement with the instructor’s response and to consider all the evidence carefully, a decision will be communicated in writing.

Students have a maximum of three weeks after the posting of a grade to begin a formal appeal of that grade. A faculty member who wishes to change a grade (besides an Incomplete) on his/her own initiative has a maximum of six weeks after the posting of a grade to ask for the grade to be changed.

Standards for Satisfactory Academic Progress

Academic Good Standing

A full-time student must meet the following standards for academic performance and progress to qualify as a student in good standing:

- The student’s cumulative institutional grade point average must meet or exceed the following thresholds: 1.75 at the end of the first and second semesters; 1.90 at the end of the third semester; 2.00 at the end of the fourth or later semesters.
- The student must have earned at least 6 credit hours during the previous semester at Jewell.
- The student must have earned at least 20 credit hours at Jewell per academic year, which is understood to begin with the fall semester and to conclude after the summer term.
- The student must exhibit integrity and personal honesty in the classroom and in other campus affairs.

Academic Probation

Full-time students who have not met the above standards for academic good standing are placed on academic probation. Students on academic probation are at risk for losing their eligibility for financial aid and for being dismissed from the College for academic deficiency. A student who has been placed on academic probation will have this fact noted on the permanent record (transcript).

A student may be removed from academic probation when he or she meets each of the minimum academic performance standards defined above.

Academic Dismissal

A student whose institutional GPA falls below the minimum GPA listed below may be dismissed for academic deficiency and is ineligible for college, state and federal student aid. Students must maintain the following minimum institutional grade point average in order to remain at the college:

- Cumulative institutional grade point average of 1.50 at the end of the first and second semesters
- Cumulative institutional grade point average of 1.75 at the end of the third semester
- Cumulative institutional grade point average of 2.00 at the end of the fourth semester and thereafter
Dismissal for academic deficiency is noted on the student’s permanent record (transcript). A student who appeals a dismissal and who is re-admitted to the College after academic dismissal is not eligible for college, state or federal financial aid until the minimum institutional cumulative GPA threshold is met.

(See the section of this catalog on Financial Aid Information for further statements of standards for maintaining eligibility for financial aid.)

**Academic Warning**
A student will receive an academic warning when a semester’s grade point average (GPA) drops below 2.00 even though his or her cumulative institutional grade point average may remain at or above the required minimum cited for placement on academic probation. Academic warning is notice of unsatisfactory academic progress during a given semester. Receipt of an academic warning does not place a student on probationary status or in poor academic standing, nor is it noted on the student’s permanent record.

**Appeal Procedure**
A student who is placed on academic probation or dismissed from the College for academic deficiency may appeal that decision to the Academic Standards Committee. Appeals must be submitted in writing to the Office of the Provost by the date specified in the notification letter received by the student. The Committee will notify the student of its decision in writing.

**Registration Policies and Procedures**

*It is the student’s responsibility to comply with Jewell Catalog regulations and posted registration policies and to enroll in courses appropriate for meeting degree requirements. All students must read and agree to abide by the Registration Policies and Procedures set forth by the Office of the Registrar each semester in order to register for courses.*

Registration for semester and summer courses is completed by the student according to specific procedures set forth by the Office of the Registrar. These procedures, including specific dates and times of registration, are posted online in advance of periods set aside for registration.

**Student Classification**
Students are classified on the basis of the number of cumulative credit hours as follows:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Completed Hours</th>
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<tr>
<td>First-Year</td>
<td>0 to 25.5</td>
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<td>Sophomore</td>
<td>26 to 57.5</td>
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<tr>
<td>Junior</td>
<td>58 to 89.5</td>
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<tr>
<td>Senior</td>
<td>90 or more</td>
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</tbody>
</table>

Completed hours do not include hours in which the student is currently enrolled or for courses graded with I (Incomplete) or PR (Progress). Courses with grades of IP for Oxbridge majors are included in the calculation of completed hours only for the sake of determining classification.

**Eligibility for Registration**
Students must meet the following criteria to be considered eligible for registration each semester:

- The student’s account must show a balance of zero (0) by the final payment deadline (November 1st for fall semester; April 1st for spring semester). A financial hold is placed on accounts with any remaining balance, prohibiting students from registering until financial obligations are paid in full.
- The student must have met with the assigned academic advisor to be cleared for registration in courses as advised. All students have an advising restriction prohibiting registration until cleared by the advisor.
- Students may not register until the date and time specified for their classification (see Student Classification above).

**Cancellation of Courses**
The College reserves the right to discontinue any section of any course in which the enrollment is not sufficient to justify its being offered. This decision rests with the Provost of the College. Generally, course sections with fewer than six registered students will not be maintained. Students enrolled in a course that is canceled will be dropped from that course and notified as soon as possible, so they may choose another course if they wish.
Registration Changes

Adding Courses

• Students may add courses to their registration through the first week of classes in a semester.
• Beginning the first day of a semester, a drop/add card with the advisor’s and instructor’s signatures must be submitted to the Office of the Registrar to add courses.
• The permission of the Provost of the College is required for a student to enroll in more than 18 hours in fall or spring or in more than 9 hours in the summer. Consult the section of this catalog entitled Summary of Charges for overload charges. A form requesting such permission is available from the Office of the Registrar.

Dropping Courses

• Students may withdraw from a course anytime through the last scheduled day of class meetings prior to the final examination period, unless an earlier deadline for withdrawal is specified in the course syllabus. Students should be aware, however, that there may be financial aid implications depending on the number of enrolled credit hours.
• If a full-semester course is dropped during the first four weeks of a semester, no record will appear on the student’s transcript. After the fourth week, a grade of W will appear on the transcript. Consult the Calendar of Important Dates posted by the Office of the Registrar for specific deadlines for both full-semester and seven-week courses. A Calendar of Important Dates is also available for use during the summer term.
• A drop/add card with the advisor’s signature must be submitted to the Office of the Registrar to drop courses. The instructor’s signature is also required beginning the first day of a class.
• Students dropping below 12 hours (full-time status) must secure the signature of a Financial Aid officer before submitting the drop card to the Office of the Registrar. A student-athlete dropping below 12 hours (full-time status) must also secure the signature of the Athletic Compliance Officer before submitting the drop card to the Office of the Registrar.
• The official date of withdrawal from a class is the date on which the Office of the Registrar receives a properly completed drop card.
• Students who wish to drop ALL courses for the semester, once classes have begun, must go through the official withdrawal process as indicated below.

Withdrawal from the College

Dropping all courses within a semester constitutes official withdrawal from the College. Students wishing to withdraw from the College for any reason must notify the Office of Student Affairs to initiate the withdrawal process. Improper withdrawal will result in a grade of F for all courses in that semester. A student who receives Federal financial aid and who fails to complete courses will be subject to Federal refund regulations. See Failure to Complete Courses (under Refund Policies) for short- and long-term implications.

Transfer to Another Institution of Higher Education

Many institutions of higher education welcome transfer students; however, students should be aware that actual requirements for degrees vary considerably from institution to institution. This factor makes it particularly important that students who plan to transfer make contact very early in their academic career with the campus from which they wish eventually to graduate. By arranging in advance for appropriate courses to be taken prior to transfer, a student can minimize problems.

Taking Courses at Other Institutions

Students desiring to take courses at other institutions should coordinate plans in advance with their advisor. An Approval for Non-Jewell Coursework form from the Office of the Registrar, completed in advance with proper signatures, is necessary to assure acceptance of transfer credit by William Jewell College. Once a student has completed 64 hours, transferring courses from a community or junior college (i.e., a two-year institution) will increase the total number of hours required for graduation by the number of hours transferred from that two-year college.

Completed transferable courses from other institutions will be recorded on the Jewell transcript, but no credit toward graduation will be awarded when the grade is below C-. A course for which only a “passing” grade is recorded by another institution is not normally considered for transfer, unless the corresponding class at William Jewell is also graded on a pass/fail basis. Credit for transfer work does not affect the institutional GPA.
Kansas City Area Student Exchange

As a member of the Kansas City Area Student Exchange (KCASE), William Jewell offers full-time students the opportunity to take one course per semester tuition-free at another participating institution, including The University of Missouri – Kansas City and The Kansas City Art Institute. Students must be enrolled in a minimum of 12 hours of William Jewell courses to be eligible for a KCASE course. Students may incur charges by the other institution, such as technology, parking, lab, or course fees. Restrictions on visiting students may vary among the participating institutions.

This program provides students the opportunity to take courses of interest not offered at William Jewell. Further information and KCASE forms are available from the Office of the Registrar. Prior approval for transferring credit back to Jewell must be obtained using an Approval for Non-Jewell Coursework form, which is also available from the Office of the Registrar.

Journey Grant Program

Full-time students who entered the College in Fall 2010 or later are eligible for a Journey Grant to fund a life-enhancing hands-on experience. Journey Grants will be a minimum of $2,000, with the opportunity for additional funds awarded on a competitive basis to support grant proposals. Journey Grants are intended to be an opportunity to make a student’s college experience unique. More information about Journey Grants can be found at www.jewell.edu/journeygrants. Applications from eligible students are due by December 15 prior to the academic year in which the student plans to use the grant.

Study Abroad

Students desiring to study abroad for a semester or full academic year must first obtain Jewell approval to study off-campus and then apply for acceptance by the study-abroad program provider. To obtain Jewell approval, applicants must meet the following criteria:

- Completion of a minimum of 42 credits before departure.
- Completion of Level I of the Core Curriculum Program before departure.
- Completion of at least two semesters of satisfactory full-time coursework on Jewell’s campus before departure.
- Minimal cumulative institutional GPA of 3.0.
- May not be on academic or disciplinary probation.
- Must have no outstanding financial obligations to the College.

In addition to these criteria, the proposed study-abroad program should represent a well-defined continuation of the William Jewell liberal arts education and the individual student’s academic program. The student’s record (e.g., GPA, relevant coursework) should demonstrate clear evidence of college-level preparation and academic achievement appropriate to the proposed study-abroad program and the specific course of study on that program.

Please note that each study-abroad program has its own entrance requirements and criteria, which may exceed these minimum criteria and which must be met for acceptance to that program. For a current list of approved study-abroad programs with descriptions of each program and its entrance requirements, please contact the Office of International Studies.

(Information about financial assistance for study-abroad programs is included in the section of the catalog about Financial Aid Information.)

Graduation Requirements

Degrees

William Jewell College offers two degrees:

- The Bachelor of Arts (BA)
- The Bachelor of Science (BS)

Degrees are awarded to students who have

- satisfactorily completed all requirements for the Core Curriculum and an academic major,
- completed a minimum of 124 semester hours of college work as specified in the catalog, and
- earned a cumulative grade point average of 2.00 for all work attempted at the college. (Transfer work is not included in what is herein referred to as the “institutional grade point average.”)

Students who complete 124 hours or more with an institutional grade point average below 2.00 may, with the permission of the Provost of the College, attempt one additional semester of work to raise the institutional GPA to at least 2.00 in order to meet the requirements for graduation.
Bachelor of Arts
- The maximum credit toward the Bachelor of Arts degree that a student may apply in one subject-matter field is 40 hours.
- A student must have a minimum of 84 hours outside the one subject-matter field.
- For example, a student seeking a BA degree may apply a maximum of 40 hours of courses with a BIO prefix toward the degree and must have a minimum of 84 non-BIO hours.

Bachelor of Science
- The maximum amount of credit toward the Bachelor of Science degree that a student may apply in one subject-matter field is 60 hours.
- A student must have 64 hours outside the one subject-matter field.
- For example, a student seeking a BS degree may apply a maximum of 60 hours of courses with a MUS prefix toward the degree and must have a minimum of 64 non-MUS hours.

Other stipulations
- The last year's coursework toward graduation (a minimum of 30 semester hours) must be done in residence at William Jewell, with the following exception: Any student who has completed all requirements for graduation except eight or fewer semester hours may seek permission from the Provost of the College to complete these hours in absentia. This must normally be done through an accredited four-year college or university.
- No more than four hours in courses numbered below 100 may be applied toward the 124 hours required for graduation.
- No more than four hours in physical education activities (including any wellness or fitness courses) may be applied toward the 124 hours required for graduation.
- Non-music majors may use a maximum of 8 hours of ensemble credit toward graduation.
- Each student will complete the requirements for graduation in the catalog in effect on the date of college entrance.
- If a subsequent decision is made to follow a later catalog through a bona-fide change in major or for other causes, this decision must be approved by the Registrar, and the course requirements in effect at that time must be met.
- A student who returns after an absence, and who has not graduated, should expect to be required to change to the requirements set forth in the catalog in effect at the time of re-admission to the College.
- The maximum amount of time allowed for completion of degree requirements following a particular catalog is seven years.
- The curriculum of the College is under continuing development, and a given catalog cannot constitute a contract with the student. Every effort is made, however, to achieve fair and reasonable adjustments for students affected by curricular change.

Declaration of Majors and Minors
Students are expected to declare their elected major(s) and minor(s) through the Office of Academic Advising, if they were not stipulated by the student when entering the College through the Admission Office. Changes to the declared academic program (major and/or minor) must also be made through the Office of Academic Advising. Students are expected to keep their academic program information current and should notify the Academic Advising Office of any discrepancies or changes. If the student has received a Graduation Checklist, the Office of the Registrar should also be notified of discrepancies or changes to the academic program.

Student athletes may wish to consult the Athletic Compliance Officer concerning the effect of changes in their academic program on athletic eligibility.

Applying for Graduation
- Students who expect to graduate should submit an Application for Graduation to the Office of the Registrar when they reach 75 cumulative hours, typically during the junior year.
- When a student applies for graduation, an individual Graduation Checklist is prepared by the Registrar, and a copy is provided to the student’s advisor. A student is expected to use the Graduation Checklist as a guideline for completion of requirements in order to plan remaining semesters and should keep the checklist updated as requirements are completed.
- Completion of an Application for Graduation by the student does not constitute a guarantee by the College that the student will graduate at a particular time; it merely indicates the student’s intent to graduate by a certain date.
- Students who change their anticipated graduation date must promptly re-apply for graduation for the newly anticipated date by submitting a new Application for Graduation to the Office of the Registrar.
Commencement

Students who are permitted to participate in Commencement exercises in May include:

• those who finished the requirements for graduation the preceding December,
• those who are on track for finishing the requirements for graduation in May and who have applied for graduation in May, and
• those who will be within 8 hours of finishing the requirements for graduation at the end of the spring semester and who have applied for summer graduation.

Eligible students who choose not to participate in Commencement exercises must notify the Office of the Registrar no later than April 1st; this can be done using the form entitled Request to Graduate in Absentia, which is available at the Office of the Registrar. Students are eligible to participate in Commencement exercises only once, unless an additional degree is earned at a later time.

Actual diplomas are not awarded at the Commencement exercises, since degree checks and graduation processes must be completed after the ceremony. Diplomas, which are written in Latin (with a translation provided in English), are mailed approximately three weeks after graduation is verified.

Additional Degrees

Students may earn two different degrees (both a BA and a BS) with the completion of at least 30 additional hours beyond the minimum credit required for the first degree, the Core Curriculum requirements for both degrees, and a second major that is a part of the second degree program. Students earning multiple majors within a single degree program – BA or BS – will receive only one degree.

Students who enter William Jewell with the intent of earning a degree and who already hold a bachelor’s degree from a different regionally-accredited institution are exempt from all Core Curriculum requirements, if at least 90 semester hours of their work is transferable to William Jewell.

Honors

All honors awarded for grade point averages are based only on coursework completed through William Jewell College (institutional GPA). Grades for transfer credit are not included when calculating grade point averages for honors.

Dean's List

The Dean's List for each semester will include the names of students who have accomplished all of the following:

• carried a program of 14 or more graded semester hours (excluding Pass/Fail or audited courses)
• have no grade lower than C- in any subject,
• have no Incompletes, and
• have achieved a minimum institutional grade point average of 3.5 for the given semester.

The minimum institutional GPA for inclusion on the Dean's List will rise to 3.7 beginning in the Fall 2013 semester.

Citations for High Grade Point Averages

A student who completes coursework for the degree with an institutional grade point average of 3.90 or higher on a minimum of 60 credit hours at Jewell is graduated summa cum laude. This honor is cited with the degree and noted on the permanent record (transcript).

A student who completes coursework for the degree with an institutional grade point average of between 3.75 and 3.89 on a minimum of 60 credit hours at Jewell is graduated magna cum laude. This honor is cited with the degree and noted on the permanent record (transcript).

The minimum institutional GPA for graduation magna cum laude will rise to 3.80 beginning in the Fall 2014 semester.

Phi Epsilon Honor Society

Students whose institutional GPAs place them in the top 10% of the members of the graduating class with a minimum of 60 credit hours at Jewell are automatically inducted into the Phi Epsilon Honor Society and will receive a certificate upon graduation. This honor is noted on the permanent record (transcript). Membership in Phi Epsilon Honor Society for the academic year is determined after the end of the fall semester for December graduates as well as for prospective May and July candidates for graduation, and is based on institutional grade point averages at the end of the fall semester.
Graduation with Honors or Distinction
The student who wants an added challenge of academic excellence may seek Graduation with Honors or Graduation with Distinction. Eligible students must have a minimum institutional grade point average of 3.5 at the time of graduation and must have completed A-level work on a research or creative project over two or more semesters in a concentrated area. (A special undertaking appropriate for the discipline concerned will be required in addition to the usual requirements for graduation.) Graduation with Honors constitutes completion of a project within a declared major. Graduation with Distinction constitutes completion of a project in a subject outside a declared major.

Students planning to pursue an honors project should declare that intent in writing to the chair of the Honors Project Committee no later than the third week of the spring semester of the junior year. Additional information may be obtained by contacting the Provost of the College or the chair of the Honors Project Committee.

Course Prefixes

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<th>Course Prefix</th>
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<tr>
<td>NUR</td>
<td>Nursing</td>
</tr>
<tr>
<td>OXA</td>
<td>Oxbridge</td>
</tr>
<tr>
<td>OXE</td>
<td>Oxbridge Literature and Theory</td>
</tr>
<tr>
<td>OXH</td>
<td>Oxbridge History</td>
</tr>
<tr>
<td>OXI</td>
<td>Oxbridge Institutions and Policy</td>
</tr>
<tr>
<td>OXH</td>
<td>Oxbridge Music</td>
</tr>
<tr>
<td>OXQ</td>
<td>Oxbridge History of Ideas</td>
</tr>
<tr>
<td>OXS</td>
<td>Oxbridge Science (Molecular Biology)</td>
</tr>
<tr>
<td>PED</td>
<td>Physical Education</td>
</tr>
<tr>
<td>PHI</td>
<td>Philosophy</td>
</tr>
<tr>
<td>PHY</td>
<td>Physics</td>
</tr>
<tr>
<td>POL</td>
<td>Political Science</td>
</tr>
<tr>
<td>PSY</td>
<td>Psychology</td>
</tr>
<tr>
<td>REL</td>
<td>Religion</td>
</tr>
<tr>
<td>SCI</td>
<td>Science</td>
</tr>
<tr>
<td>SPA</td>
<td>Spanish</td>
</tr>
<tr>
<td>SVL</td>
<td>Service Learning</td>
</tr>
<tr>
<td>VSE</td>
<td>Vocational and Spiritual Exploration</td>
</tr>
</tbody>
</table>

An instructor, with the approval of the department chair and the Provost of the College, may offer any course listed herein for fewer than the number of credit hours indicated.

Courses are graded on an A/B/C/D/F scale unless specific mention in a course description indicates that Pass/Fail grading is utilized.
# Financial Cost Information

The cost of an education at Jewell is of concern to students, their families, and to the College. We provide a variety of options to assist students and their families in meeting their financial obligations to the College.

## Summary of Charges

The following charges are typical for the 2012-13 school year for most full-time on-campus Jewell students, but costs may vary depending on the room and/or meal plan selected by the student, and other variables. In addition to the charges shown below, students should plan for personal expenses to cover miscellaneous fees (specific courses and labs, etc.), books, supplies, clothing, laundry, entertainment, etc.

<table>
<thead>
<tr>
<th>Tuition, Room, and Board</th>
<th>2012 - 13</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Year</td>
</tr>
<tr>
<td>Tuition and activity fees (12-18 hours) – for students entering Jewell for the first time in Summer 2010 or later</td>
<td>$30,200</td>
</tr>
<tr>
<td>Tuition and activity fees (12-18 hours) – for students entering Jewell for the first time prior to Summer 2010</td>
<td>27,090</td>
</tr>
<tr>
<td>Room – typical double occupancy*</td>
<td>4,330</td>
</tr>
<tr>
<td>Board – typical meal plan**</td>
<td>3,460</td>
</tr>
</tbody>
</table>

Total for students entering Summer 2010 or later: 37,990 18,995

Total for students entering before Summer 2010: 34,880 17,440

*Double occupancy

- Browning, Ely, Eaton, Jones, Semple Halls: $4,330 2,165
- Senior Hall: 4,330 2,165
- Melrose Hall: 4,760 2,380
- Fraternity or Sorority Housing: 5,230 2,615

**Single occupancy

- Browning, Ely, Eaton, Jones, Semple Halls: $6,500 3,250
- Senior Hall: 6,500 3,250
- Melrose Hall: 7,150 3,575
- Fraternity or Sorority Housing: 7,860 3,930

**Board plan

- Unlimited Meal Plan (including $100 Cardinal dollars per semester): $3,430 1,715
- 15-Meal-per-week Plan (including $200 Cardinal dollars per semester): 3,350 1,675
- 200-Block-Meal Plan (including $350 Cardinal dollars per semester): 3,460 1,730
- 10-Meal-per-week Plan (including $425 Cardinal dollars per semester): 3,460 1,730
- Commuter Meal Plan: 1,140 570

Overload Tuition - above 18 credit hours per semester – per credit hour: 870

Part-time Tuition - less than 12 hours per semester – per credit hour: 870
## Special Tuition Charges

<table>
<thead>
<tr>
<th>Service</th>
<th>Year</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audit - per credit hour</td>
<td></td>
<td>$400</td>
</tr>
<tr>
<td>Concurrent enrollment (one class/semester) – per credit hour</td>
<td></td>
<td>225</td>
</tr>
<tr>
<td>Dual Enrollment – per credit hour</td>
<td></td>
<td>100</td>
</tr>
<tr>
<td>Senior Citizen Discount (age 60) - space available</td>
<td></td>
<td>50%</td>
</tr>
<tr>
<td>Overseas program</td>
<td></td>
<td>250</td>
</tr>
<tr>
<td>Administrative fee for full-time tuition remission/exchange</td>
<td></td>
<td>1,000 500</td>
</tr>
</tbody>
</table>

## Class Fees

<table>
<thead>
<tr>
<th>Service</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Teaching (EDU 410, 424, 425)</td>
<td>$250</td>
</tr>
<tr>
<td>Music - Private Lesson - 1st credit hour</td>
<td>250</td>
</tr>
<tr>
<td>- Additional credit hour</td>
<td>250</td>
</tr>
<tr>
<td>- Class Lesson - per credit hour</td>
<td>175</td>
</tr>
<tr>
<td>Physical Education - Activity Classes</td>
<td>Announced in each semester's Course Schedule</td>
</tr>
</tbody>
</table>

## Accelerated Nursing Program

<table>
<thead>
<tr>
<th>Program</th>
<th>Year</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 2012 cohort (4 terms)</td>
<td>$35,360</td>
<td>$8,840</td>
</tr>
<tr>
<td>May 2012 cohort (3 terms)</td>
<td>35,360</td>
<td>11,787</td>
</tr>
<tr>
<td>January 2013 cohort (4 terms)</td>
<td>35,360</td>
<td>8,840</td>
</tr>
<tr>
<td>May 2013 cohort (3 terms)</td>
<td>35,360</td>
<td>11,787</td>
</tr>
<tr>
<td>Deposit (non-refundable)</td>
<td>300</td>
<td></td>
</tr>
</tbody>
</table>

## Summer School

<table>
<thead>
<tr>
<th>Program</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012 Tuition – per credit hour</td>
<td>$450</td>
</tr>
<tr>
<td>2013 Tuition – per credit hour</td>
<td>$460</td>
</tr>
<tr>
<td>Summer 2012 Housing Rates (per month)</td>
<td></td>
</tr>
<tr>
<td>Double occupancy</td>
<td>225</td>
</tr>
<tr>
<td>Single occupancy</td>
<td>350</td>
</tr>
</tbody>
</table>

## Miscellaneous Fees

<table>
<thead>
<tr>
<th>Service</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application for Admission</td>
<td>$25</td>
</tr>
<tr>
<td>Application for Admission - Concurrent Enrollment</td>
<td>25</td>
</tr>
<tr>
<td>Application for Re-Admission</td>
<td>25</td>
</tr>
<tr>
<td>Departmental exam for Credit – per exam</td>
<td>50</td>
</tr>
<tr>
<td>Finance Charge on past due accounts (monthly rate)</td>
<td>1%</td>
</tr>
<tr>
<td>Parking permit (Annual fee)</td>
<td>100</td>
</tr>
<tr>
<td>Recording Fee - credit by exam – per hour</td>
<td>25</td>
</tr>
<tr>
<td>Returned Check</td>
<td>25</td>
</tr>
<tr>
<td>Semester Installment Plan Fee</td>
<td>50</td>
</tr>
</tbody>
</table>

## Deposits

<table>
<thead>
<tr>
<th>Program</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment Deposit</td>
<td>$300</td>
</tr>
<tr>
<td>Room Deposit for residents (included in the enrollment deposit)</td>
<td>100</td>
</tr>
</tbody>
</table>
Payment Policies

All charges for tuition, fees, room and board are due and payable the first day of class each semester unless a student enrolls in a semester installment plan. Students utilizing an installment plan should have their accounts paid in full by November 1 and April 1 for the fall and spring semesters, respectively.

Students with unpaid tuition and fees will not be eligible to enroll in subsequent semesters. The College will also refuse to release transcripts on behalf of students with unpaid tuition and fees.

Semester Installment Plans

William Jewell College offers the Four-Payment Plan, as outlined below. A $50 origination fee for either plan is assessed each semester. Past due accounts are subject to a finance charge of 1% per month.

<table>
<thead>
<tr>
<th>Four-Payment Plan: Payments, less verified financial aid, are due as follows:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Semester:</strong></td>
</tr>
<tr>
<td>August 1</td>
</tr>
<tr>
<td>September 1</td>
</tr>
<tr>
<td>October 1</td>
</tr>
<tr>
<td>November 1</td>
</tr>
</tbody>
</table>

Matriculation

In order to validate student ID cards each semester, students must matriculate through the Business Office. A validated student ID card is required to use many of the campus facilities and services (e.g., library, dining hall, computer labs, fitness facilities, etc.). During the matriculation process, College employees will review each student’s account and confirm financial arrangements. Matriculation dates for each semester are posted by the Business Office. Matriculation ends with the completion of the first week of classes. Failure to matriculate may ultimately lead to administrative withdrawal from the College.

Requirements/eligibility for matriculation: Students must be enrolled, must have a valid student ID card, must review and accept their financial aid package and/or complete their William Jewell College Installment Plan Application.

Refund Policies

**Traditional Program (Fall and Spring Semesters)**

If a student withdraws from school after classes begin, applicable credits for tuition, room, meals and fees will be computed according to the following schedule. Credits for classes are based upon the date the student notifies the Office of Student Affairs in writing or in person. Credit for room and meals are based upon the date the student notifies Residential Life in writing or in person. The following percentages apply:

- **Withdrawal:** Beginning with the first day and continuing for the first week after classes begin, the credit for tuition, fees, room and meal plans is 90%; before the end of the second week is a 75% credit; before the end of the third week is a 50% credit; before the end of the fourth week is a 25% credit; no credit once the fifth week of classes begin. NOTE: The refund schedule for seven-week classes is different; please contact the Business Office before dropping classes.

- **Change of Course:** Prior to the close of the registration period for each semester, the College will credit any tuition charges made for courses dropped by the student when an equivalent number of hours is added. After the close of registration, the credit will be calculated using the same rates as shown above.

- **Room Deposits:** After June 30, room deposits for returning students may be refunded only if the applicant is physically unable to enroll or the college cannot provide residence hall space. Once students occupy a residence hall room, the deposit becomes a reservation/damage deposit held in escrow until the student graduates or moves off campus. Students will forfeit the room deposit if they do not notify Student Affairs of their intention not to return by June 30 or December 1 for the fall and spring semesters, respectively.
Summer School

Students withdrawing from summer courses (excluding those in the AT Nursing Program) will be credited tuition and fees according to the following schedules:

- **Four week courses:** Prior to the first day of class: 100%; 1st – 3rd day: 90%; 4th – 6th day: 50%; 7th – 8th day: 25%.
- **Eight week courses:** Prior to the first day of class: 100%; 1st week: 90%; 2nd week: 50%; 3rd week: 25%

Accelerated Track Nursing Program

The AT Nursing Program at Jewell is cohort based, offering either a 12-month (May cohort) or 16-month (January cohort) curricular path. Once the College commits to the number of students in any cohort, the costs associated with that program are fixed. Therefore, refunds are limited except as provided below.

As noted above, the AT Nursing Program has two tracks: a January cohort and a May cohort. The January cohort is billed in four terms: spring 1, summer, fall, and spring 2. The May cohort is billed in three terms: summer, fall and spring.

Students who withdraw:

- without having attended the first term will forfeit their enrollment deposit.
- on or before the first day of class for any term will not be charged tuition or fees for that term or subsequent terms.
- during the first week of class of the first term will receive a 90% refund of tuition charges for that term. Any fees assessed are not refundable, but the student will not be billed for the subsequent terms.
- after the first day of class during the second, third or fourth term will be responsible for paying 100% of the tuition and fees billed for that term. They will not be billed for subsequent terms.

Any student who withdraws due to extenuating circumstances may submit a letter of appeal to the Controller.

Failure to Complete Courses

Financial aid is awarded with the expectation that the student will attend school for the period in which the assistance is awarded. If a student does not attend all of his or her classes, the aid must be recalculated based on actual attendance. Students who do not attend a course or courses are not eligible to receive financial aid for that course(s).

The decision to withdraw from classes is an academic decision which may have both short- and long-term implications on the student’s ability to receive Federal aid. A student may wish to consult both with the Office of Financial Aid and with the academic advisor before making a final decision.

The long-term implication of not completing courses is that course withdrawals may result in a loss of Federal aid eligibility. For a complete explanation please refer to Academic Progress and Financial Aid.

The short-term implication is that William Jewell College is required by Federal regulations to complete a Return of Title IV Funds calculation for students who receive Federal aid but do not attend beyond the 60% date of the enrollment period for which they have received Federal aid. In brief, students need to attend at least one academically-related activity after the 60% date to ensure a portion of their Federal financial aid is not returned to the U.S. Department of Education. For more information, see William Jewell College’s Return of Title IV Federal Student Aid. A balance will be created in the student’s account if financial aid funds are returned. A student cannot register for subsequent courses with a balance due. Future financial aid cannot be used to pay a past balance; it must be paid by the student.

If a Return of Title IV Funds is calculated and Federal aid is reduced, the return of financial aid to the Federal Government will be completed within 45 days.

Return of Title IV Federal Student Aid

The account of the student who has federal aid and withdraws before 61% of the semester has elapsed will be evaluated according to U.S. Department of Education guidelines and formula.

This policy conforms to Federal regulations governing Federal financial aid programs. Title IV programs affected by this provision are Subsidized and Unsubsidized Federal Direct Loans, Federal Perkins Loans, Federal Direct PLUS (Parent Loans for Undergraduate Students), Federal Pell Grants, Federal Supplemental Educational Opportunity Grants (SEOG), and Federal TEACH Grants.
Federal aid is earned by the percentage of the payment period the student completes. To figure the percentage of aid earned, divide calendar days completed in the semester by total days in the semester. Weekends are included, but scheduled breaks that are at least five (5) days in length are excluded. If the student completes more than 60% of the semester, 100% of the aid is earned for the semester and an immediate repayment obligation is not incurred. If the student completes 60% or less of the semester, the portion of federal aid determined to be unearned must be repaid to the federal aid programs.

William Jewell College will return Title IV aid from the student’s account according to the federal formula. A student may be required to return a Title IV aid overpayment. If the College notifies the student to return an overpayment, the student has 45 days to return the funds to the College. If the 45-day requirement is not met, the U.S. Department of Education will be notified to begin collection. The student will be ineligible for further Title IV assistance until the overpayment is paid in full or satisfactory repayment arrangements have been made with the U.S. Department of Education.

Institutional refunds and the formula used to determine the required return of federal and other student aid will be finalized within 30 days of the withdrawal date. An adjusted billing will be mailed by the Business Office to the student’s permanent address on record.

Federal student aid programs will be returned in the following regulated order:
- Unsubsidized Federal Direct Loan
- Subsidized Federal Direct Loan
- Federal Perkins Loan
- Federal Direct PLUS (Parent Loans for Undergraduate Students)
- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant (SEOG)
- Federal TEACH Grant

**Return of Non-Federal Student Aid/Personal Payments**

If the student received federal aid, the return of federal funds is the first priority. If the student received state or institutional aid, or made personal payments, the state and institutional aid are repaid proportionally according to the source of the payment. Repayment of aid programs may result in a balance due on the student’s institutional account. A copy of the calculation used to apportion repayment will be mailed to the student’s permanent address.

Questions about individual circumstances may be directed to the Business Office.
Financial Aid Information

Student Financial Planning

There are a number of resources available to students to help pay for college. Eligibility for financial aid is determined on the basis of need, outstanding academic ability, and/or special abilities. For most students, William Jewell College offers a financial plan composed of one or more forms of financial aid to help meet the financial need. These are scholarships, grants, loans, and work programs.

Students seeking financial aid on the basis of financial need must complete the William Jewell College Application for Admission and Scholarship and the Free Application for Federal Student Aid (FAFSA). The FAFSA is also required if a student wishes to be considered for multiple merit and/or talent awards. It is recommended that all applicants file the FAFSA (Jewell School Code: 002524) by March 1st each year.

Limited college aid may be available to students beyond eight semesters. Graduates who return for a second degree will not qualify for college aid. Transfer students will be evaluated individually by the financial aid staff to determine the number of semesters that aid will be available. Various state and federal aid programs operate with established eligibility limits as well.

Forms of Financial Assistance

Scholarship and grant assistance does not have to be repaid, may be awarded based on financial need, academic merit, talent or a combination of these factors, and may be provided by the College, the federal and/or state governments, and private donors.

Loan assistance, which must be repaid, also is available in the form of Direct Federal Subsidized and Unsubsidized Student Loans, Federal Perkins Loans, Federal Nursing Student Loans, Direct Federal Parent Loans (PLUS), and the William Jewell College semester installment plan.

Work opportunities are provided through Federal Work Study that may include community service positions. A non-federal work program, Workship, is also available on a limited basis. In addition, the Office of Career Services assists students interested in off-campus employment opportunities.

The current student financial aid and scholarship brochure, distributed by the Office of Financial Aid and Scholarship Services, should be consulted for additional application procedures. Student consumer information is found in the official student handbook, in the financial aid award letter, and on the William Jewell College website.

Academic Progress and Financial Aid

Standards of satisfactory academic progress (SAP) must be maintained to remain eligible for financial assistance. William Jewell evaluates progress annually to correspond with the end of a payment period. For most students this evaluation coincides with the conclusion of the spring semester. There are two requirements for SAP: Hour completion requirement and grade point average requirement.

Hour Completion Requirement for Financial Aid Eligibility

- Students are encouraged to plan their course load in order to complete approximately one-fourth of the graduation requirements each academic year. A student enrolled as full-time (12 credit hours or more per semester) must complete a minimum of 24 credit hours or 75% of attempted coursework per year; three-quarter time students (9-11 credit hours) must complete a minimum of 18 credit hours or 75% of attempted coursework per year; half-time students (6-8 credit hours) must complete a minimum of 12 credit hours or 75% of attempted coursework per year.

- Federal regulation requires that the maximum timeframe to complete an educational objective (pace of progression) cannot take longer than 150 percent of the published length of the educational program for a full-time student. A program consisting of 124 credit hours, therefore, must be completed within 186 credit hours for financial aid eligibility. The pace of progression is measured at each evaluation to ensure that the student completes degree requirements within the maximum timeframe. The pace is calculated by dividing cumulative hours successfully completed by cumulative hours attempted.

- The following table indicates the minimum number of credit hours required at the end of each academic year for financial aid eligibility for full-time students (excluding transfer credits at time of entry to the College unless the student is classified as a transfer student):
  - After first academic year (two semesters) – 24 minimum hours or 75% of attempted coursework
  - After second academic year (four semesters) – 48 minimum hours or 75% of attempted coursework
  - After third academic year (six semesters) – 72 minimum hours or 75% of attempted coursework
  - After fourth academic year (eight semesters) – 96 minimum hours or 75% of attempted coursework.
Three-quarter and half-time student credit hour requirements are adjusted proportionately.

**Grade Point Average Requirement for Financial Aid Eligibility**

All students must maintain a minimum institutional cumulative GPA for financial aid eligibility as follows:

- After first academic year (two semesters) - 1.5
- After second academic year (four semesters) and beyond - 2.0

Federal law specifies that by the end of the second academic year (regardless of how many credits the student has accrued), the student must have an academic standing consistent with the requirement for graduation (i.e., minimum institutional GPA of 2.0).

**Letter Grades and Financial Aid Eligibility**

The following letter grades will count for determining eligibility for financial aid: F – Failure; PR – Progress; W – Withdrawn from the Course; WD – Withdrawn from the College; FA – Failed Pass/Fail; NR – Not Reported. The letter grade AU – Audit will not count.

Hours for repeated courses will count toward the full-time student status in determining financial aid eligibility as follows: (1) a previously passed course may be repeated once; (2) a failed course may be repeated until it is passed. For part-time enrollment, a repeated course will not be counted in the total number of hours in assessing the enrollment status.

**Academic Status and Financial Aid**

Students applying for admission to the College who are on academic probation or have been academically dismissed from another college or university are subject to a thorough review by the Admission Committee and Provost of the College. Students who have been academically dismissed from another college or university may not be considered until one year (two semesters) after their dismissal.

A student re-admitted to the College after academic dismissal from Jewell is not eligible for College, state or federal financial aid until the minimum institutional cumulative GPA of 2.0 is met and the required number of credit hours is satisfactorily completed.

A transfer student must have a minimum 2.0 cumulative GPA to be eligible to apply for financial aid. Only transferable credit hours will be used to determine cumulative GPA; however, credit hours attempted and completed must be used to determine whether the student has met the minimum standard for academic progress to receive financial assistance.

**Academic Scholarships**

In order to maintain academic scholarships, the student must complete a minimum of 12 credit hours per semester with a cumulative GPA of at least 2.5. Scholarship renewal eligibility is reviewed at the end of the academic year. A student whose cumulative GPA falls below 2.5 will be allowed one semester to raise the cumulative GPA to 2.5. A student who fails to raise the GPA will not be eligible for the academic scholarship. A student whose academic scholarship is not renewed will be ineligible for an academic scholarship until a cumulative GPA of 2.5 is achieved.

Recipients of the full-tuition William Jewell College Jewell Scholarship must complete a minimum of 12 credit hours per semester with a cumulative GPA of at least 3.5. Scholarship renewal eligibility is reviewed at the end of the academic year. A probationary semester is provided as well. Only one probationary semester will be permitted for academic scholarship recipients.

**Financial Assistance for Study Abroad Programs**

The Office of Financial Aid will award aid based upon the estimated cost of a student’s study-abroad program according to the following guidelines:

**Non-Institutional Support**

- Most non-institutional financial aid (federal, state, corporate, etc.) will apply to all approved programs; however, most grants and scholarships are unavailable for summer study.
- Non-institutional aid, such as student and parent loans, may be adjusted if the cost of the study-abroad program is different than the cost of William Jewell.
- Federal work study does not apply to study abroad, but may be replaced by loans for eligible students.
- Non-institutional aid may apply to only one study-abroad experience.

**Institutional Support**

- William Jewell academic and talent scholarships do not apply to study abroad; however, students may apply for institutional support through the Journey Grant program.
- Additional institutional need-based support may also be available.
Appeal Procedure for Financial Aid

A student whose assistance is terminated in accordance with this policy may appeal the termination to the Financial Aid Committee. Appeals must be submitted in writing to the Director of Financial Aid and Scholarship Services at least two weeks prior to the commencement of the semester in which financial aid is requested. The appeal must provide an explanation for failure to make standards of satisfactory academic progress as defined by this policy and indicate what factors have changed that will allow the student to make standards of satisfactory academic progress at the next evaluation. The committee will notify the student of its decision.
The aim of the Academic Core Curriculum program is to prepare students to be both successful and reflective citizens of a global community. Such reflective citizenship demands a broad base of learning skills, a depth of intellectual perspective, and ample opportunities to apply both the skills and the knowledge to meaningful and relevant questions that shape modern civilization. Throughout the Core, three important questions are imbedded within most, if not all, of the courses, and provide a unifying theme for inquiry: What is real? What can we know? How should we live? William Jewell’s Academic Core Curriculum, entitled “Critical Thought and Inquiry (CTI),” seeks to package the instruction of that knowledge and those skills in an integrated experience consisting of 34-35 credit hours.

Goals for Student Learning

Less than one-third of the total required credit hours for graduation, the Core Curriculum is structured to accomplish the following programmatic goals:

• To provide a common experience of learning;
• To engage students – by teaching skills of reading and research, communication and language, quantitative reasoning, critical and ethical thinking, personal judgment and fitness, and by facilitating on-going experiences in the fine arts – to become life-long learners;
• To enable students to apply liberal arts knowledge, skills and attitudes to evaluate authentic problems of human experience in terms of varied cultural and social perspectives; and
• To challenge students to grapple with the meaning and implications of the Christian faith and other perspectives on how life ought to be lived and understood.

The following programmatic objectives provide a guideline for assessing, through student performance, the achievement of the above goals. A liberally educated William Jewell College student will:

• acquire knowledge of, apply and show some mastery of: reading, research, communication, mathematical reasoning, technological applications, and the fine arts;
• evaluate the crucial issues of human experience by a course of investigation that brings the academic disciplines together through interdisciplinary approaches;
• think critically about several Christian traditions as well as other vital religious expressions available to humanity;
• understand a holistic concept of wellness that includes the physical, spiritual, mental and social; and
• understand the concept of servant leadership and have had opportunities for application.

Critical Thought and Inquiry

The Curriculum

The core curriculum offers students a learning experience that builds through three stages (levels): an introductory/skills level (Level I), an intermediate interdisciplinary level (Level II), and an advanced capstone level (Level III). The following provides more information about the requirements at each stage of the program.

Level I: This level of study consists of 14 hours of coursework and includes the following courses:

CTI 100 The Responsible Self (4)
CTI 102 Written Communication (4)
or CTI 120 Advanced Written Communication (4)
CTI 103 Math Model Building (4)
or CTI 104 Applied Calculus and Statistics (4)

A student who completes successfully a course in mathematics at the 200-level or higher will be considered to have met the Level I math requirement.

Also included are two or more physical education activity courses totaling at least 2 credit hours. (See the Physical Education section for a list of activity courses. No more than 4 hours in activity courses may be applied toward the 124 hours required for graduation. Credit may not be applied toward graduation more than once for the same activity.)

Normally, a student will complete the CTI courses in Level I before beginning the first Level II course. Students must seek permission from the Associate Dean to co-enroll in Level I and II courses.

Level II: There are four categories of study (Culture and Traditions; Power and Justice; Sacred and Secular; and Science, Technology, and Human Experience) in this level from which the student chooses one course in each of three areas. The
courses at Level II are designed to be interdisciplinary. The purpose of utilizing interdisciplinary studies is to encourage learning in reference to relevant questions that transcend disciplinary boundaries. A student is exempt from taking a course in the category to which his/her first major at the time of graduation is assigned. (See the list that follows. Realize that changing majors late in one's tenure may mean enrolling in an additional Level II class.) Note the exception to this rule for mathematics and recreation/sport majors.

For purposes of determining the requirements of Level II of the Core Curriculum, the following assignments of departments and majors to divisional areas apply:

**Social Sciences**
(Students with the following primary majors are exempt from taking a course in the Power and Justice category.)
- Accounting
- Business Administration
- Economics
- Elementary Education
- History
- International Relations
- Nonprofit Leadership
- Oxbridge History
- Oxbridge Institutions and Policy
- Political Science
- Physical Education
- Psychology

**Humanities**
(Students with the following primary majors are exempt from taking a course in the Culture and Traditions category.)
- Art
- Communication
- English
- French
- Music
- Oxbridge History of Ideas
- Oxbridge Literature and Theory
- Oxbridge Music
- Philosophy
- Spanish
- Speech/Theatre Education
- Theatre

**Natural Sciences**
(Students with the following primary majors are exempt from taking a course in the Science, Technology, and Human Experience category.)
- Biochemistry
- Biology
- Chemistry
- Nursing
- Oxbridge Molecular Biology
- Physics

**Religion**
(Students with the following primary major are exempt from taking a course in the Sacred and Secular category.)
- Religion and Culture

Students majoring in mathematics must take one course from each of the four categories in Level II. Recreation & Sport majors should note the need for four Level II courses plus a cross-cultural course, which is described below. (The effect for most Recreation majors who choose not to study a foreign language will be a requirement to take five Level II classes.)

Majoring in Applied Critical Thought and Inquiry (ACTIn) does not exempt one from any Core classes, since it cannot be a student's primary major.

**Level III:** This advanced level of the core curriculum consists of one 4-hour course from this final category, which functions as a capstone experience to the Core Curriculum program. The course options are interdisciplinary, often team-taught, and tied closely to issues of public concern. Prerequisites for all Level III courses: completion of Levels I and II of the core curriculum; senior status.

**Cross-Cultural Requirement:** In addition to completing the three Levels of the Core Curriculum, students are required to meet a cross-cultural requirement. For students pursuing a Bachelor of Arts degree, this cross-cultural requirement must be met by the completion of a course at the intermediate or higher level of a foreign language. (See the following paragraphs.) Students pursuing a Bachelor of Science degree have the option of (a) completing one foreign language course at the intermediate level or higher, (b) taking REL 272 or HIS 229 or HIS 224 & 226, or (c) taking an extra Level II CTI course that satisfies the cultural requirement (CTI 200-224 [Culture & Traditions courses] or CTI 239). Choosing option (c) will result in some students' taking two classes from a single category in Level II, since a course that is used to fulfill the cross-cultural requirement cannot be used to meet any other Core requirement.

Proficiency in a foreign language at the intermediate level is required for all Bachelor of Arts students. Students pursuing the BA degree must complete one foreign language course at the intermediate level or higher.

New students who have studied two years or more of a language in high school, and who wish to continue study in that language, must take a placement test before enrolling in a language course at Jewell, and they must enroll at the level determined by the placement test. Normal placement is in 211, the first intermediate-level course. Students who have had additional high school language and do especially well on the placement test may be placed in a level higher than the intermediate level. Those who do less well may be placed in 114, a review of two semesters in one; they must subsequently take 211 to fulfill the requirement. If a new student has had less than two years of a language in high school, 111 (followed by
112 and 211) is normally indicated, with no need to take the placement test. Any student has the option of electing beginning the study of a new language at Jewell.

Students who transfer an intermediate level foreign language course from another college have met the College's language requirement, provided that the intermediate language course is the culmination of a sequence representing a minimum of
11 hours of study. Students who transfer lower-level language courses may be placed in the next higher course with no need to take the placement test. American Sign Language can be used to satisfy the foreign language requirement only by transfer students who have completed their study of ASL through an intermediate-level class (as described above) before matriculation at Jewell.

The cross-cultural requirement will be waived for a foreign national who has grown up in a culture in which English is not the primary language and who has successfully completed secondary school work taught in a language other than English. Official certification from the school of the language of instruction will be required.

**Transcript:** Students who have met all of the requirements of the Core Curriculum (often referred to by other institutions as “general education”) may request to have a notation added to their official Jewell transcripts that indicates completion of the CTI program. Such a request should be directed to the Office of the Registrar.

**Course Descriptions**

**Level I:**

**CTI 100 The Responsible Self** (4 cr. hrs.)
This is a humanities based, introductory course required of all students in their first year of study at the College. The organizing questions of the course are those of epistemology, ontology, and ethics: What can we know? What is real? and How should we live? Students will wrestle with these questions from several distinct cultural and ideological perspectives as these are represented in thought-provoking literature. (A text-based course including literature and primary texts in religion and philosophy)

**CTI 102 Written Communication** (4 cr. hrs.)
Develops student skills in academic writing, including research skills and critical use of sources in argumentation. Through writing and revising, students explore the role of audience and context in shaping written communication, and learn to demonstrate logical reasoning, adequate factual support, clarity and appropriate language choices.

**CTI 103 Math Model Building** (4 cr. hrs.)
This course views mathematics as a means of recognizing and describing relationships and patterns. Students will develop tools for describing and analyzing quantifiable relationships. Necessary skills will include the use of linear, polynomial, exponential and logarithmic functions, systems of equations, graphs, inequalities, counting methods, probability, elementary geometry and trigonometry, and the basic tools of statistics. All mathematical concepts will be framed in the context of model building. Specific tools for model building and establishing inferences will include permutations and combinations, conditional and binomial probabilities, regression and correlation, and confidence intervals. Students who have taken a pre-calculus, trigonometry or introductory calculus course in high school and who earn a score of 25 or above in the mathematics section of the ACT are eligible to attempt to receive credit for CTI 103 by taking a departmental examination. Students who have successfully completed CTI 104 will not be permitted to count credit earned subsequently in CTI 103 toward the minimum number of hours needed for graduation.

**CTI 104 Applied Calculus and Statistics** (4 cr. hrs.)
This course will cover the essentials of differential and integral calculus with particular emphasis on concepts and applications involving rate of change and the construction of models based on known rates of change. It will also include basic tools of statistics necessary for the design of an experiment and for making inferences from data, including point and interval estimates for the mean and proportion and hypothesis testing for one or two means and proportions.

**CTI 120 Advanced Written Communication** (4 cr. hrs.)
Advanced expository writing is for students with superior writing skills. The course stresses development of the student's voice as a writer through study of literary texts from several cultural or ideological perspectives and practice in various expository genres. Prerequisite: A score of 28 or higher on the English section of the ACT test.

**Level II:**

**Culture and Traditions: Interdisciplinary Courses in the Humanities**

**CTI 200 United States Pluralism** (4 cr. hrs.)
This course provides an examination of racial, ethnic, gender, and other types of diversity in American society with the aim of increasing understanding of American pluralism and culture. Through significant written and oral exercises students will evaluate these topics in works of history, ethnography, sociology, autobiography, literature and film. (Interdisciplinary humanities course)

**CTI 201 Divas, Death and Dementia on the Operatic Stage** (4 cr. hrs.)
This course offers an introduction to the ways in which gender roles, the act of dying, and madness have determined and influenced operatic discourse from about 1600 to the present. Chiefly through aural and visual experiences, as well as longer written projects, students will evaluate how these traditions have both accommodated and forced men and women into a variety of social and cultural roles. (Interdisciplinary humanities course)

**CTI 203 History and Philosophy of Science** (4 cr. hrs.)
This course examines the development and characteristic intellectual preoccupations of western culture by focusing on changing notions of scientific knowledge. Students will interpret the history of science in light of philosophical theories. Essays and class discussion will examine origins of scientific knowledge and the degree to which current conceptions of scientific knowledge may be historically shaped. (Interdisciplinary humanities course)
CTI 204 Cultural Values and Visual Art  (4 cr. hrs.)
This course is an introduction to the study of visual imagery as a medium through which core cultural values find expression. Through class discussion, essay examinations and an extended research paper students will demonstrate a clear grasp of the fundamental beliefs and values of several different worldviews. (Interdisciplinary humanities course)

CTI 205 La Doule France   (4 cr. hrs.)
A broad perspective on France including geography, history (particularly from the 17th Century to the present), literature (in translation), art, music, government and implicit culture designed to lead students to an appreciation of French culture. Attention will be drawn to French contributions to the United States and to cultural comparisons. (Interdisciplinary humanities course)

CTI 206 The Chicano Experience  (4 cr. hrs.)
This course will trace the history of the Chicano presence in the United States from the period of Spanish colonization, through the Mexican-American war and up to the present. The student will examine writings in the disciplines of history, literature and sociology in order to gain an understanding of the current and historical issues in the Chicano community. The major questions addressed will be those of identity and the struggle for place, recognition and justice in the society at large. (Interdisciplinary humanities course)

CTI 207 The Harriman Arts Program Events  (4 cr. hrs.)
This course is a study that puts the Harriman Arts Program events into the context of the curriculum: the experiences of the performances are the subject, and readings and class sessions will provide enhancement background for them. The interdisciplinary features of the course include observation and listening to musical and dance performances, study of performance traditions, biographical study, and cultural and performance history. (Interdisciplinary humanities course)

CTI 208 Women Writers of World Literature  (4 cr. hrs.)
An introduction to women's literature (literature by women about women), specifically to the novel of the twentieth century, from various world perspectives. The history, geography and culture (including such topics as religion, social norms, economy, racial and ethnic concerns, and political events) of specific countries and regions of the world will add to a greater understanding of women's experience of these novels and their search for identity, fulfillment, and self-expression. Brief discussion of theory concerning women's writing will add to the students' appreciation of the act of writing as a mode of self-expression and self-exploration as well as an act of communication. (Interdisciplinary humanities course)

CTI 210 Film Worlds   (4 cr. hrs.)
This course uses films as texts in order to explore the social, historical and cultural contexts the films depict. Interdisciplinarity is sought in the methods roughly analogous to those used in literary and historical investigation. The course will introduce students to new ways of seeing; they will watch a film against a complex matrix of interdisciplinarity that will confront their own cultural assumptions. (Interdisciplinary humanities course)

CTI 214 Bioethics, Ethical Traditions, and the Variety of Health Care Choices  (4 cr. hrs.)
Students will compare ethical judgments that are framed by Western bioethics with those framed by global ethics and other cultural and moral traditions. Students will critically appraise healthcare practices through case studies that illustrate selected life transitions, and challenges in healthcare management and public health. This course draws upon philosophy, anthropology and nursing/healthcare disciplines. (Interdisciplinary humanities course)

CTI 215 Trust, Betrayal, and Forgiveness  (4 cr. hrs.)
The course will inquire into the nature and value of trust, betrayal, and forgiveness or, more generally, in the field of personal relationships, relation, perturbation, and reconciliation. It will approach these topics through philosophical analysis and literary methods. Students will read and develop philosophical analyses of the key concepts and write scenarios (biographical, autobiographical, historical and/or imaginative) that implicate the three main themes. The scenarios will be critiqued for their adequacy in light of the demands of philosophical coherence, and the philosophical analyses will be critiqued in light of their capacity to deal with the nuances of the scenarios. This approach will be extended through reading and analyzing selected works of literature. Student will also consider the nature of relations of the methods, philosophical and literary, that are used for understanding and appreciating human relations. (Interdisciplinary humanities course)

CTI 216 Richard Wagner's Ring Cycle – Art, Entertainment, and the Transformation of Culture  (4 cr. hrs.)
The development of modern mass media and the synthesis of art and entertainment both have their genesis in Richard Wagner's operas, especially in his epic Der Ring des Nibelungen. This course will explore the context and content of the 15-hour cycle, Wagner's influence on 20th century art, politics, and the complexity of multi-media expression in cultural formation. The ways in which his thematic materials are made manifest in cinema will also be investigated. Particular attention will be given to answering the questions: Why (and how) do artistic expressions cause controversy? How does art contribute to cultural formation and ideology? When does art become entertainment (and vice versa)? (Interdisciplinary humanities course)

Sacred and Secular: Interdisciplinary Courses in Religious Studies

CTI 226 Religion and Meaning  (4 cr. hrs.)
This class will explore how religion, particularly the religion of the biblical tradition, serves to guide people in the creation of meaning for understanding both the world they live in and its ethical structures. Using biblical texts and secondary readings from the discipline of sociology, students will explore specifically the secularizing effects of modernization on religion and ways that various religious traditions have responded to the problem of secularism. (Interdisciplinary humanities/religion course)
CTI 227 WWJD: What was Jesus Doing? (4 cr. hrs.)
The course explores portrayals of the Jesus in both ancient and modern literature. Students will read the four canonical gospels, as well as selections from extra-canonical gospels. Students will also study diverse modern critical interpretations of Jesus to discern the significance of Jesus' life and work. The course will employ the sociology of knowledge as an interdisciplinary lens through which to interpret varying interpretations of Jesus. (Interdisciplinary humanities/religion course)

CTI 228 Religion as Literature (4 cr. hrs.)
This course will juxtapose the works of ancient Hebrews and Greeks in order to illuminate both, and finally, to illuminate the work of Jesus of Nazareth as anti-establishment prophet and messiah. Students will write daily and offer extended essays as means of analyzing both reading and class discussion. (Interdisciplinary humanities/religion course)

CTI 229 Christianity and Tyranny (4 cr. hrs.)
Using the disciplines of literature and theology, this course addresses the question of how one can live under a repressive regime. Through close reading, class discussion and the presentation of a position paper, students will apply biblical principles to the ethical dilemmas raised by this question of responding to tyranny. (Interdisciplinary humanities/religion course)

CTI 230 Religious Diversity in Early Modern Drama (4 cr. hrs.)
In the late sixteenth century, “the Islamic world overlapped with Christendom, and the Ottoman Empire included a huge Jewish population. The Turkish empire was a porous body politic, allowing the entry and exit of various Christians, Jews, and Muslims who participated in its economic life” (Daniel Vitkus, Turning Turk, 18). In the early modern period, international commerce introduced England to the Mediterranean world and thus shaped English identity not only through firsthand contact with but also through representation of different cultures and religions. This course will investigate early modern representations of three major faith traditions – Christianity, Judaism, and Islam – through the study of literary texts and contemporary critical methodologies. Because international trade informed and shaped much of the early modern experience with the Muslim world, economic contexts will inform the study of literary texts. (Interdisciplinary humanities/religion course)

CTI 231 Biblical Messianism and Handel's Messiah (4 cr. hrs.)
This course examines the modes of 17th and 18th century biblical interpretation that stood behind the composition of Charles Jennens’ libretto to Handel’s Messiah. Students will demonstrate their understanding of a variety of musical, theological, and biblical topics through written responses to aural exercises, oral presentations, and weekly writing assignments. (Interdisciplinary humanities/religion course)

CTI 232 Relationships: Psychological, Religious and Societal Perspectives (4 cr. hrs.)
This course will examine the diverse ways in which human beings form, maintain and dissolve relationships with each other and with the divine. Students will demonstrate their engagement with class discussions, readings and lectures through weekly in-class writing exercises and application exercises (such as debates or simulations). (Interdisciplinary humanities/religion course)

CTI 233 Christian Hymnody: A Window into the Bible, Christian History & Theology (4 cr. hrs.)
Using the study of the Psalms and selected Old Testament and New Testament Canticles, the hymns of the early and medieval church, the hymns of the Lutheran Reformation, the psalmody of the Genevan, Scottish and English Reformation movements and the development of English and American hymnody, the course explores the importance of congregational song in biblical understanding, Christian history, and Christian theology. Students who are interested in church music will benefit most from the course. A background in music is not necessary. (Interdisciplinary humanities/religion course)

CTI 235 The Sacred Image (4 cr. hrs.)
The course offers a comparative overview of Judaism, Christianity and Islam in their comparative histories, varying theological and ethical centers, and scriptures. While the course examines the role of religion in society to develop a cohesive source of meaning, the importance of religion in a modern, secular age, and the impact that scientific thought has had on Christian theology. (Interdisciplinary humanities/religion course)

CTI 236 Magic, Science, and Religion (4 cr. hrs.)
This course studies the distinctions that emerge between magic, science and religion when seeking to understand whether and how a civilization’s reasons for confidence in science differ from those that support its belief in religion. The course will be structured around the categories, often applied to religion, of mystery, salvation, causation, and theodicy as they apply to all three topics (magic, science and religion). (Interdisciplinary humanities/religion course)

CTI 238 Religion in the Modern Age (4 cr. hrs.)
The course explores the role of religion in personal and social life. It will study the important and primary role that religious experience plays in the origins and development of religious traditions, focusing on the scriptural and Christian religious traditions. The course further examines the role of religion in society to develop a cohesive source of meaning, the importance of religion in a modern, secular age, and the impact that scientific thought has had on Christian theology. (Interdisciplinary humanities/religion course)

CTI 239 Judaism, Christianity and Islam (4 cr. hrs.)
The course offers a comparative overview of Judaism, Christianity and Islam in their comparative histories, varying theological and ethical centers, and scriptures. While the course examines all three religions from a single disciplinary perspective (i.e. religious studies), the comparative method invites questions that may only be appreciated by imposing methods and assumptions from other disciplinary, i.e., non-religious studies, perspectives. This course can be used, by students who will be earning a BS degree, to meet the cross-cultural requirement. (Interdisciplinary humanities/religion course)
CTI 240 Reading the Bible: Then and Now (4 cr. hrs.)
This course explores the reading of the Bible in the context of the history of Christianity. After surveying various ways of reading the Bible throughout Christian history, special attention is given to modern and postmodern modes of biblical interpretation. Students will learn how such contemporary modes of reading take place in conversation with other academic disciplines: cultural anthropology, narrative criticism, and reader response criticism. (Interdisciplinary humanities/religion course)

CTI 244 The Epics of Heaven and Hell (4 cr. hrs.)
A study of two significant works of world literature: The Divine Comedy and Paradise Lost. Students will appreciate two examples of the heroic epic and understand how each author reads and reinterprets earlier epic literature and the Christian tradition. They will explore the two cultural worlds represented by the poems (high middle ages and early modern) and reflect on how the works provide two different readings of the Christian theological tradition and the Bible (Thomist Roman Catholic and Protestant). (Interdisciplinary humanities/religion course)

CTI 245 Evil and Suffering in Religious and Literary Traditions (4 cr. hrs.)
This course considers how the distinct issues of evil and suffering have been addressed by thinkers who represent significant religious (Christian and Jewish) theological perspectives: From classical theism, to modern philosophical theism, to modern and contemporary theologies of liberation and compassion. Throughout the course, in order to provide a richer, more grounded context for reflecting on evil and suffering, theological and literary texts will be considered. The course ends with a particular literary account of suffering that calls into question various theological responses, in order to stretch the questions of the course even further: What does religion genuinely have to offer us when we are faced with evil and suffering? (Interdisciplinary humanities/religion course)

CTI 246 God, Nature, and Science (4 cr. hrs.)
Students will learn essential features of the neo-Dawinian theory of evolution, as well as religious, primarily Christian, arguments both challenging and affirming the theory. Evolution grounds human existence interdependently with nature, not over and above nature, a status that religion can either endorse or challenge. The course explores biblical responses to the issue of human ecological responsibility, including the study of both “green-friendly” and “not-so-green-friendly” texts. (Interdisciplinary humanities/religion course)

Science, Technology and the Human Experience: Interdisciplinary Courses in the Sciences
Prior to 2010, each course in this category contained a combination of classroom and laboratory experiences. Laboratories are now separate courses with their own credit. Students are required to enroll simultaneously in both lecture and laboratory components of a particular course.

CTI 251 The Science of Forensics (4 cr. hrs.)
This course is focused on the application of scientific techniques to the collection and analysis of evidence used for investigating criminal cases. In the context of investigating criminal cases students will gain an understanding of scientific methodology, analytical thought and techniques used in the analysis of hair and fiber evidence, drugs and toxic substances, arson and explosion, firearms and tools, and biological specimens. The legal and ethical issues surrounding scientific integrity in the collection, handling, and analysis of evidence will also be explored. This course will meet the teaching certification requirement for a physical laboratory science. (Laboratory science course)

CTI 251L Laboratory for The Science of Forensics (1 cr. hr.)

CTI 252 DNA: Politics, Law and Ethics (4 cr. hrs.)
This course explores the political, legal and ethical issues that challenge our society’s utilization of an increased knowledge of DNA structure and function. The course develops statistical application through analysis of lab work, and written and oral communication through various kinds of class reports. This course will meet teaching certification requirement for a biological laboratory science. (Laboratory science course)

CTI 252L Laboratory for DNA: Politics, Law and Ethics (1 cr. hr.)

CTI 253 Energy: Its Sources and Responsible Use (4 cr. hrs.)
A science course approaching the topic of energy from the discipline of physics but involving, at the application level, the larger considerations of individual and societal responsibility, which transcend the paradigms and boundaries of conventional physics courses. Interdisciplinary with philosophy (ethics). This course will meet the teaching certification requirement for a physical laboratory science. (Laboratory science course)

CTI 253L Laboratory for Energy: Its Sources and Responsible Use (1 cr. hr.)

CTI 254 The Mind: The Master Pharmacist (4 cr. hrs.)
This science course will use three different disciplines to explore the behavioral correlates that underlie addiction to psychoactive agents. Foundational will be the establishment of the process of science (scientific method) to explore basic principles of the study of drugs (pharmacology) that influence neural systems (neurobiology) and induce changes in behavior (psychology). Lab sessions will reinforce content and allow for analytical and critical development of key concepts. This course will meet teaching certification requirement for a biological laboratory science. (Laboratory science course)

CTI 254L Laboratory for The Mind: The Master Pharmacist (1 cr. hr.)
CTI 255 Sports Science: Physics Applications and Ethical Issues (4 cr. hrs.)
This course investigates various sports-related activities in terms of the physical principles that govern them and analyzes athletic performance from the viewpoint of a physical scientist. In addition, the role that technology plays in the improvement of athletic performance is addressed along with ethical questions related to how athletes attempt to enhance athletic performance. This course will meet the teaching certification requirement for a physical laboratory science. (Laboratory science course)

CTI 255L Laboratory for Sports Science (1 cr. hr.)

CTI 256 The Science of Sight and Sound (4 cr. hrs.)
The nature of sound and light is addressed in the context of our auditory and visual senses. Physics of sound, anatomy and physiology of the ear and the pathway to the cerebral cortex, and the psychology of perception are drawn upon to understand the functioning of musical instruments as well as our perception of music. The richness of color sensation in nature and art is addressed by similarly drawing on the physics of light, as well as the anatomy, physiology and psychology of vision. Technological approaches to correcting ocular and auditory defects are addressed as well as means of enhancing or extending the senses of sight and hearing. This course will meet teaching certification requirement for a physical laboratory science. (Laboratory science course)

CTI 256L Laboratory for The Science of Sight and Sound (1 cr. hr.)

CTI 257 Emerging and Re-emerging Infectious Diseases: Local and Global Issues (4 cr. hrs.)
Infectious diseases are undergoing a global resurgence due to factors such as human population demographics and behavior, antibiotic resistance, environmental degradation, political and economic decisions, and public health policies. Diseases such as tuberculosis, malaria, measles, and polio continue to be of global concern, while other diseases such as Ebola, “Mad Cow” disease, and Hantavirus pulmonary syndrome make their appearance. This course will meet teaching certification requirement for a biological laboratory science. (Laboratory science course)

CTI 257L Laboratory for Emerging and Re-emerging Infectious Diseases (1 cr. hr.)

CTI 258 Astronomy and Cosmology: Observations and Theories of the Universe (4 cr. hrs.)
An interdisciplinary examination of how our conception of the universe has evolved from that of selected early societies to the modern worldview based on observations and the theories which explain them. There will be one required nighttime observing session or lab per week. This course will meet teaching certification requirement for a physical laboratory science. (Laboratory science course)

CTI 258L Laboratory for Astronomy and Cosmology (1 cr. hr.)

CTI 259 The Ecology of Food (4 cr. hrs.)
The Ecology of Food is an exploration of food from the following perspectives: the important of food (requirements for human health, supply and demand) the distribution of starvation and abundance, the ecological and economic reasons for this distribution, the amount and sources of energy involved in food production, the role of food production in sustainability issues (water, energy, and soil/nutrient supply), the economics of food and food production, various forms of agriculture used to produce food, and, finally, food security in a global marketplace in an age of terrorism. This course will meet teaching certification requirement for a biological laboratory science. (Laboratory science course)

CTI 259L Laboratory for The Ecology of Food (1 cr. hr.)

CTI 260 Sustainability and the World’s Resources (4 cr. hrs.)
This course is an exploration into the scientific and public policy issues surrounding the effects of global development on the world’s natural resources. Resources to be investigated include the air we breathe, sources of energy, the world’s water supply, and the extraction of virgin materials such as metal ores. The recycling of metals, plastics, and other materials will also be considered. Relevant scientific concepts will be explored, as well as available sustainable practices for utilization of these resources. (Laboratory science course)

CTI 260L Laboratory for Sustainability and the World’s Resources (1 cr. hr.)

CTI 261 Ethnobotany (4 cr. hrs.)
Ethnobotany is the study of the interactions between humans and plants, focusing on how plants are used every day by humans for food, medicine, recreation, housing, clothing, etc. This class explores the cultural, religious, and historical importance of plants to humans as well as focusing on the study of plant biology. The course will interweave exploration of plant biology with the understanding of how plants are used by humans and have, in turn, impacted human history and culture. (Laboratory science course.)

CTI 261 Ethnobotany Laboratory (1 cr. hr.)

CTI 262 Astrobiology (4 cr. hrs.)
Astrobiology is the study of the origin, evolution, and distribution of life in the universe. It uses interdisciplinary science at the intersection of biology, geology, and astronomy to discover where and under what conditions life and arise and exist in the universe. This course examines the origin and evolution of life on Earth, what conditions are necessary for a habitable planet, which planets and moons in our solar system could harbor life, and the search for habitable extra-solar planets. (Laboratory science course.)

CTI 262L Astrobiology Laboratory (1 cr. hr.)
Power and Justice in Society:
Interdisciplinary Courses in the Social Sciences

CTI 275 Social Problems (4 cr. hrs.)
This course focuses on various expressions of inequality from sociological, economic, historical and psychological perspectives. Students will present oral and written reports of analyses of various social problems. There is a Service-Learning component in this course. (Interdisciplinary social science course)

CTI 277 Deviance and Discipline:
Crime and Punishment in Historical Perspective (4 cr. hrs.)
This course asks students to study and apply the content and methods of history, sociology, literature and art history to the topic of criminal justice in eighteenth and nineteenth century England. Through their reading and written assignments students will grapple with a variety of materials, including statistical studies of crime, social theories of deviance, literature such as the play The Beggar's Opera and the fiction of Charles Dickens, and the paintings of William Hogarth. (Interdisciplinary social science course)

CTI 279 Economic Development and
Cultural Change (4 cr. hrs.)
The course introduces students to the economic, social, political and institutional mechanisms necessary to bring about rapid and large-scale improvements in the standard of living for the masses of Africa, Asia and Latin America. Utilizing a case-study method of investigation, students will write in-class and out-of-class essays to demonstrate their understanding of both the content and the method. (Interdisciplinary social science course)

CTI 280 World War II and the Holocaust:
Problems of Power and Justice (4 cr. hrs.)
The course examines the ethical and practical problems involved in fighting even a “just” war. All aspects of the greatest conflict in human history from the rise of Hitler in Germany to the Holocaust to the controversial use of the atomic bomb to end the war will be examined. Students will debate and submit argumentative essays regarding a variety of issues that arose in the context of the war. (Interdisciplinary social science course)

CTI 281 Medicine, Money, and Morals (4 cr. hrs.)
This course explores issues in the area of biomedical ethics. The interdisciplinary origin of biomedical ethics facilitates investigation into the societal impact of medicine, morality and economics. Students explore competing power structures within the health care industry from both an historical and contemporary perspective. Students analyze justice within existing and ideal health care structures with particular attention to justice for the vulnerable. (Interdisciplinary social science course)

CTI 283 Synopsis of United States
History and Government (4 cr. hrs.)
This course is a panoramic overview of United States history and government from the era of the American Revolution and the Articles of Confederation to contemporary debates over major constitutional issues. The content and methods of this course draw from the disciplines of history, political economy/science and philosophy. This course will meet the teaching certification requirement for U.S. history and government. (Interdisciplinary social science course)

CTI 284 School and Society
in the United States (4 cr. hrs.)
This course examines the development of American schooling within the context of social history. The course focuses on four themes: the differing (often conflicting) concepts about schooling held by leading educational thinkers, the public and public policy makers; the changing relationships among schools and other education entities such as church and family; the societal and policy issues that have shaped the American educational system; and public schooling as a promised or real agent of social change. Students in this course are expected to analyze these forces from all perspectives and to critically discern how and why the current school system evolved. Students will also be expected to identify the origins of current educational issues, be able to analyze and critically discuss those issues and formulate a personal position and/or plan of action based on that understanding. Specific lenses for analysis will include race, class, ethnicity, gender, religion and the intersection of these factors in the construction of power and justice in/through schooling in the United States. (Interdisciplinary social science course)

CTI 285 Comparative Revolutions (4 cr. hrs.)
We often label significant moments of change ‘revolutions.’ Such moments in time often reveal the significant differences between competing ideas and the reality of power and justice. This course will guide students through a comparative study of at least two revolutions, for example the French Revolution of 1789, the Russian Revolution of 1917, the Scientific Revolution of the 17th century, the American Revolution, the Industrial Revolution of the 18th century, etc.. Some of the key questions involved in this course will include: How do we define revolution? What causes them? What influences their outcomes? Are revolutions primarily political events or must they also involve social and/or economic change? Who participates in revolution and why? Are some revolutions failures and others successful? (Interdisciplinary social science course)

CTI 286 Gender, Power, and Justice (4 cr. hrs.)
Gender, like race and class, is one of the fundamental categories that have affected, if not determined, one’s experience of power and justice. This course looks in particular at the experiences of women and men from the 18th century to the present. It examines both the theory and reality of women’s roles in the family, the work place, and the state and how those have changed over time. (Interdisciplinary social science course)
Level III: The Core Capstone

CTI 401 Birth by Any Means? (4 cr. hrs.)
In the United States today, Assisted Reproductive Technology (ART) is a virtually unregulated field of medical practice. In this capstone course, students will consider competing ethical frameworks on the technological creation of life. Students will also develop careful proposals on whether and how to regulate ART in a variety of settings, from the law and public funding to counseling briefs for hospitals.

CTI 402 Capitalism and Democracy: What is a Good Society? (4 cr. hrs.)
This course examines the challenges, dilemmas, and the fundamental issues at stake in creating democratic political systems with market economies. It also explores the stresses placed by globalization on developed capitalist democracies today.

CTI 403 Plague, Piety and Public Policy (4 cr. hrs.)
This course will examine social and ethical responses to pandemic diseases, specifically the bubonic plague of the 14th century and AIDS. After exploring biological, ethical and social aspects of plague, students will offer recommendations and debate the appropriate policy response to AIDS.

CTI 404 State and Society (4 cr. hrs.)
This course will focus on current debates over the proper scope of the public sector in American life. Students will examine contending perspectives on where and how to draw the line between the public and the private. The contending perspectives might include libertarianism and social justice liberalism, as well as Roman Catholic and Calvinist views of “natural law.” Students will then consider two current public questions: the regulation of tobacco and school vouchers.

CTI 405 Endangerment: Species, Languages, and Cultures (4 cr. hrs.)
This course will explore biological and ethnolinguistic diversity and endangerment. It will explore the following questions: What are the mechanisms by which species and ethnolinguistic groups have come into being and how can we know this? To what degree are these underlying mechanisms similar or not? What are the causes of biological and ethnolinguistic endangerment and are they similar or not? What are the ethical foundations for conservation of both species and ethnolinguistic groups? What should our responses to biological and ethnolinguistic endangerment be given the answers to the above questions? The class will explore these questions through the primary literature and independent research on the relationship between biological and ethnolinguistic diversity.

CTI 406 Capital Punishment (4 cr. hrs.)
This course will examine the current debate surrounding capital punishment. Students in this course will examine arguments in favor of and against the death penalty in the United States, and will also investigate the differing religious opinions, both Christian and non-Christian, that exist concerning this topic. Finally, students will learn about the role that scientific evidence, specifically DNA testing, plays in this debate, and will also learn about the social justice issues that are imperative to understanding this topic.

CTI 407 Private Solutions for Public Problems: In Billionaires We Trust (4 cr. hrs.)
Increasingly, high profile individuals and corporations are using their dollars and influence to try to solve social problems. In doing so, they are effectively creating public policy despite their status as private citizens. This course examines the role of private philanthropy in solving public problems. The ethics and values of philanthropy rooted in the evolution of the third sector, primarily in the United States, will be analyzed. Attention will be given to legal and philosophical issues associated with philanthropic endeavors, including the social responsibility of the corporation, looking at how profit motive interacts with social causes. We will discuss models of philanthropic and charitable organizations, their operational practices, and issues arising from their existence and activities. In order to frame our discussion on philanthropy, each semester a major global issue currently being impacted by private philanthropy will be addressed, such as climate change or the global AIDS epidemic.

CTI 408 Health Care at Any Cost? (4 cr. hrs.)
As health care costs stretch our national resources, we are faced with choices about personal and societal health. In this course, students will explore the current U.S. health care system and how health values are shaped by and shape consumerism. We examine justice in health care and how current trends will impact future health care delivery. Students will critically appraise selected issues relating to health care and use a research process for analyzing cost in managed health care situations.

CTI 409 Immigration: E Pluribus Unum? (4 cr. hrs.)
This course will examine the issue of U.S. national identity as found in our conceptions of citizenship and national boundaries. We will raise these questions: What does it mean to be an American? What should it take to enter the United States legally? What does it mean to acquire United States citizenship? The goal of this examination will be to understand how various conceptions of national identity, citizenship, and national borders shape the current debates over immigration policy. After exploring the ethical, economic, biological and social issues regarding immigration, students will create an immigration policy. That policy will be assessed as to its internally consistency, fit with the U.S. Constitution, moral soundness, and comprehensiveness in defining the bounds of legal immigration as well as consequences of illegal entry.

>> www.jewell.edu/corecurriculum
Goals for Student Learning

Students seeking a major in Applied Critical Thought and Inquiry (ACT-In) will couple the requirements for the Academic Core Curriculum, Critical Thought and Inquiry (CTI), with applied learning experiences from three areas: Disciplinary Scholarship, Reflective Citizenship, and Active Engagement. The learning goals for the Academic Core Curriculum are listed in the previous section of the catalog. The goals of the applied learning experiences are:

• to enable students to integrate interdisciplinary intellectual skills and studies with practical activities beyond the CTI classroom;
• to strengthen campus engagement by encouraging individual and collective partnerships, careful reflection, and sustained impact on our community; and
• to allow students to successfully demonstrate through action the benefits of a high-quality liberal arts education by purposefully and specifically making connections between the classroom and the world.

The required applied learning experiences complement the Core experience by providing opportunity for students to “do” critical thought and inquiry in three additional settings valued by the college. Students will be required to ACT-In the discipline, ACT-In the world, and ACT-In the community (campus and local). The major is constructed to strengthen the relationship between (1) the Academic Core Curriculum and the academic majors by connecting the two through applied learning in disciplinary scholarship, (2) the Academic Core Curriculum and programs that lead toward reflective citizenship via the second applied learning experience, and (3) the Academic Core Curriculum and experiential learning opportunities via the third applied learning experience. The intent is to reinforce the value-added nature of these experiences in contributing to the overall educational experience of a William Jewell College student.
THE MAJOR

(Act-In is not allowed to be a student’s primary major.)

Requirements:
To obtain a major in Applied Critical Thought and Inquiry, a student is required to

1. Complete the curricular requirements in the Critical Thought and Inquiry Core Curriculum (34-35 credit hours) with a grade of C- or better in each course,
2. Complete a minimum of 16 CTI hours in residence, and
3. Complete successfully three applied learning experiences, one from each of the following categories:

Disciplinary Scholarship:
Evidenced by completion of an upper-level seminar or research course in the student’s program of study (other than Act-In) that offers the opportunity for inquiry through discovery, integration, or application using the appropriate intellectual tools for the discipline or program of study. This requirement can also be fulfilled by completion of a college Honors Project.

Reflective Citizenship:
Evidenced by a student’s actively engaging another culture or issues/challenges of our contemporary world, which may include but are not limited to challenges associated with racial and ethnic differences, social inequities (gender, sexuality, economic), global concerns, environmental or sustainability concerns, or other contemporary citizenship issues through completion of a service-learning project, mission trip or study away.

Active Engagement:
Evidenced by sustained engagement with one’s community (local or college), which includes activities like a leadership experience (multiple options), an internship, a practicum (e.g., nursing clinical or student teaching), and participation in college-sanctioned co-curricular endeavors, etc. The intent of this category is to provide students opportunity and encouragement to apply the abstract in settings that have meaning and motivation for them, thus strengthen the learning effect that occurs in the academic setting of the core curriculum.

A complete list of approved activities can be found on the college’s website or by contacting the Associate Dean. Students’ completion of the three applied learning experiences is recorded in the office of the Associate Dean.
The following Art Department learning outcomes are designed to be consistent with program standards recommended by the National Art Education Association, the Missouri Department of Elementary and Secondary Education art education competencies, the National Association of Schools of Art and Design, and the Interstate New Teacher Assessment and Support Consortium.

**Goals for Student Learning**

William Jewell College Art majors

- demonstrate studio art production skills and a well-developed understanding of their own art-making processes, qualities, and techniques;
- are knowledgeable about the use of traditional and new technologies, materials, and techniques related to visual arts production;
- are knowledgeable about the cultural and historical contexts surrounding works of art;
- develop meaningful interpretations and judgments about their own artworks and the works of other artists;
- understand the aesthetic, creative, and philosophical issues and perspectives related to the visual arts; and
- recognize the interdisciplinary relationships of the visual arts with the fine arts and other disciplines.

The department offers one major and two minors. The major in art leads to a Bachelor of Arts (BA) degree. A minimum of 37 hours of art courses is required, with a maximum of 40 hours allowed toward graduation requirements. The department also offers minors in Art History and Studio Art. A grade of C- or higher is required in each course for the major or the minor. Transfer students must complete at least 12 hours in art courses at Jewell before graduating with an Art degree. All art majors (including those students with art as a second major) must complete the requirements for the BA degree.

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**THE MAJOR**

**ART**

*Required Courses*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ART 125</td>
<td>Drawing and Painting I (3)</td>
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<tr>
<td>ART 225</td>
<td>Drawing and Painting II (3)</td>
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<tr>
<td>ART 325</td>
<td>Drawing and Painting III (3)</td>
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<tr>
<td>ART 310</td>
<td>Illustration (3)</td>
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<tr>
<td>ART 250</td>
<td>Western Art History I (4)</td>
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<tr>
<td>ART 251</td>
<td>Western Art History II (4)</td>
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<tr>
<td>ART 351</td>
<td>Modern and Contemporary Art History (3)</td>
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<tr>
<td>ART 203</td>
<td>Visual Design (3)</td>
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<td>ART 303</td>
<td>Sculpture (3)</td>
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<tr>
<td>ART 312</td>
<td>Printmaking (3)</td>
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<tr>
<td>ART 498</td>
<td>Senior Portfolio (1)</td>
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<tr>
<td>ART 499</td>
<td>Senior Seminar Exhibit (1)</td>
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</tbody>
</table>

*Art with Teacher Certification*

Students majoring in art may receive certification to teach art in grades K-12 in the State of Missouri. Procedures to be followed in obtaining teacher certification are included in the Student Handbook for Teacher Certification. Specific course requirements for all certification programs may be found on check sheets available in the Education Department office. Majors in both art and education are advised to have successfully completed the majority of their art hours before student teaching in the senior year.
THE MINORS

ART HISTORY

A minor in art history allows students to receive a concentrated core foundation in a variety of art history periods and topics while pursuing majors in other disciplines. Overseas art history tutorials may earn credit towards the minor. 21 hours minimum. A student majoring in Art may minor in Art History, with the choice of 8 hours of designated electives that are not a part of the art major.

Required Courses

ART 250 Western Art History I (4)
ART 251 Western Art History II (4)
ART 351 Modern and Contemporary Art History (3)
ART 451 Art History Capstone (1)

Designated Electives

Select 9 additional hours from the following list:

ART 353 Special Topics in Art History (3 or 4)
ART 453 Special Topics in Art History (3 or 4)
CTI 204 Cultural Values and Visual Art (4)
CTI 210 Film Worlds (4)
CTI 235 The Sacred Image (4)
HIS 103 World History I (4)

STUDIO ART

A minor in studio art allows students to receive a core foundation in studio art applications while pursuing other disciplines. Students working toward a minor in studio art must satisfactorily complete a minimum of 9 credit hours in residence. A minor in Studio Art is not possible for a student with a major in Art.

Required Courses

ART 105 Ceramics (3 or 4)
ART 125 Drawing I (3)
ART 203 Visual Design (3)
ART 225 Drawing and Painting II (3)
ART 303 Sculpture (3)
ART 351 Modern and Contemporary Art History (3)
ART 499 Senior Exhibit (1)
Course Descriptions

ART 105 Ceramics I (1-4 cr. hrs.)
Hand-constructed and wheel-thrown pottery. Basic glazing techniques.

ART 110 Computer Graphics I (3 cr. hrs.)
Use of Adobe Photoshop, Illustrator, or other software applications, as well as using scanners and other digital devices in order to create graphic images. Fall semester.

ART 125 Drawing and Painting I (3 cr. hrs.)
Basic drawing techniques with some wet media.

ART 160 Fibers (2 cr. hrs.)
Traditional papermaking techniques are used with preparation of fibrous materials used for paper and sculptural pulp manipulation. Required for art education majors. Spring semester.

ART 203 Visual Design (3 cr. hrs.)
Fundamental explorations into the elements of art in a variety of graphic media.

ART 205 Ceramics II (1-4 cr. hrs.)

ART 210 Computer Graphics II (3 cr. hrs.)
Continuation of various software applications with opportunities to explore Web design and media. Spring semester.

ART 225 Drawing and Painting II (3 cr. hrs.)
Advanced drawing; introduction to oil painting techniques. Prerequisite: ART 125

ART 226 Figure Drawing I (2 cr. hrs.)

ART 230 Photography I (3 cr. hrs.)
This course covers traditional 35mm black and white image-making and processing. Film and darkroom print processing are covered, as well as the basic development of skills and understanding to enhance design, composition, and visual communication in the medium. Students will provide their own 35mm SLR cameras.

ART 250 Western Art History I (4 cr. hrs.)
Survey of Prehistoric, ancient Egyptian, Mesopotamian, Greek, Roman, Islamic, Christian (early, Byzantine, medieval) through Gothic visual art and architecture. Fall semester.

ART 251 Western Art History II (4 cr. hrs.)
Survey of visual art and architecture beginning with the Early Renaissance to Baroque, Rococo to Neoclassicism, Romanticism to Realism, Impressionism to Post Impressionism. Prerequisite: ART 250 recommended but not required. Spring semester.

ART 253 Special Topics in Art History (1-4 cr. hrs.)
Selected topics covering specific style(s), historical and/or geographical arena, purpose, iconography will be studied via the visual arts. These topics may include the following: Ancient and primitive art; Eastern and Oriental art; Medieval and Christian art; Renaissance and Baroque art; Modern art (19th – 20th century); Contemporary art (after World War II); and other topics to be announced. Prerequisite: Sophomore standing or consent of instructor.

ART 303 Sculptural Design (3-4 cr. hrs.)
Three-dimensional and sculptural design. Prerequisites: ART 125, 203. Fall semester.

ART 305 Ceramics III (1-4 cr. hrs.)

ART 310 Illustration (3 cr. hrs.)
Traditional techniques and materials of drawing, layout, lettering, painting, and design are used to create graphic images related to advertising, marketing, and commercial art.

ART 312 Printmaking Studio (3 cr. hrs.)
Basic techniques and experiments in monotypes and relief printing, intaglio and dry point, and serigraphy. Prerequisites: ART 125, 203. Fall semester.

ART 325 Drawing and Painting III (1-3 cr. hrs.)
Advanced painting. Prerequisites: ART 225, 203.

ART 326 Figure Drawing II (2 cr. hrs.)

ART 330 Photography II (3 cr. hrs.)
This course encourages students to explore advanced techniques in the technical and creative aspects of photography. Students will provide their own cameras. Prerequisites: ART 230 or ART 331.

ART 331 Digital Photography and Imaging (3 cr. hrs.)
This course will include the fundamentals of digital camera operation and digital image capture; image processing and file archiving; image manipulation with computer software applications; alternate imaging processes with scanning and other digital media; and creative multi-media use of digital images. Students must provide their own digital cameras.

ART 351 Modern and Contemporary Art History (3 cr. hrs.)
This is a survey of art, artists’ writings and aesthetics beginning in the 1890s to the present. It centers around not only the object, but its historical settings, aesthetics and artists’/critics’ writings. Prerequisite: ART 251 or permission of instructor.

ART 353 Special Topics in Art History (1-4 cr. hrs.)
Selected topics covering specific style(s), historical and/or geographical arena, purpose, and iconography will be studied via the visual arts. These topics may include the following: Ancient and primitive art; Eastern and Oriental art; Medieval and Christian art; Renaissance and Baroque art; Modern art (19th – 20th century); Contemporary art (after World War II); and other topics to be announced. Prerequisite: Sophomore standing or consent of instructor.
ART 451 Art History Capstone  (1-3 cr. hrs.)
In this course the student will write a research paper. A selected topic will be chosen in consultation with the instructor. Topics may cover specific historical and/or geographical arenas, purpose, and iconography as studied through the visual arts.

ART 453 Special Topics in Art History  (1-4 cr. hrs.)
Selected topics covering specific style(s), historical and/or geographical arena, purpose, iconography will be studied via the visual arts. These topics may include the following: Ancient and primitive art; Eastern and Oriental art; Medieval and Christian art; Renaissance and Baroque art; Modern art (19th – 20th century); Contemporary art (after World War II); and other topics to be announced. Prerequisite: Sophomore standing or consent of instructor.

ART 498-499 Senior Capstone
The final course work of the art major covers the “business” of art; career explorations; all aspects of gallery work; résumé writing; preparation of visual works for gallery exhibition, documentation via print, slides and digital (for web) to create portfolios, and concludes with senior exhibition. Weekly class/consultation with seminar instructor and/or gallery director.

ART 498 Senior Portfolio  (1 cr. hr.)
This class is graded on a pass/fail basis. Fall semester.

ART 499 Senior Seminar Exhibit  (1 cr. hr.)
Spring semester.
Goals for Student Learning

Graduates of William Jewell College with a major in biochemistry
• are literate about chemistry and cell and molecular biology;
• communicate with the scientific community;
• develop expertise in the methodologies of the laboratory;
• rediscover and develop innate intellectual curiosity;
• think critically as scientists;
• participate in the community of research and discovery;
• function in a community of learners;
• develop a basic understanding of biochemical principles, facts, and concepts; and
• are exposed to ethical decision making.

The Departments of Chemistry and Biology jointly offer a major in biochemistry. The major leads to a Bachelor of Arts (BA) degree.

THE MAJOR
BIOCHEMISTRY

A grade of C- or higher is required in each course in the major. Students working toward a major in biochemistry who transfer credit from other institutions must satisfactorily complete in residence a minimum of 16 hours of the required courses in biology or chemistry courses numbered over 200. Courses in chemistry and biology that are more than 10 years old will not normally be counted toward the major. Students majoring in biochemistry must complete all requirements for the BA degree.

Students will not be permitted to double major in chemistry and biochemistry or in Oxbridge molecular biology and biochemistry. Refer to the Biology and Chemistry sections of this catalog for descriptions of individual courses.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 122</td>
<td>General Chemistry II (4) and Lab (1)</td>
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<tr>
<td>CHE 205</td>
<td>The Informed Chemist (1)</td>
</tr>
<tr>
<td>CHE 206</td>
<td>Analytical Chemistry (4) and Lab (1)</td>
</tr>
<tr>
<td>CHE 301</td>
<td>Organic Chemistry I (4) and Lab (1)</td>
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<tr>
<td>CHE 302</td>
<td>Organic Chemistry II (4) and Lab (1)</td>
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<tr>
<td>CHE 401</td>
<td>Physical Chemistry I (4) and Lab (1)</td>
</tr>
<tr>
<td>CHE/BIO 450</td>
<td>Biochemistry (4) and Lab (1)</td>
</tr>
<tr>
<td>BIO 233</td>
<td>Cell and Molecular Biology (4) and Lab (1)</td>
</tr>
<tr>
<td>BIO 234</td>
<td>Genetics (4) and Lab (1)</td>
</tr>
<tr>
<td>BIO 321</td>
<td>Microbiology (4) and Lab (1)</td>
</tr>
<tr>
<td>BIO 452</td>
<td>Molecular Genetics (4) and Lab (1)</td>
</tr>
<tr>
<td>BIO 360, 361, 460, &amp; 461</td>
<td>Senior Thesis (4)</td>
</tr>
<tr>
<td>or CHE 310, 315, 410, &amp; 415</td>
<td>Chemical Research (4)</td>
</tr>
<tr>
<td>PHY 111 or 213</td>
<td>Physics I (4) and Lab (1)</td>
</tr>
<tr>
<td>PHY 112 or 214</td>
<td>Physics II (4) and Lab (1)</td>
</tr>
<tr>
<td>MAT 200</td>
<td>Calculus II (4) or a more advanced math course</td>
</tr>
</tbody>
</table>
Goals for Student Learning

Graduates of the William Jewell College biology program

- are literate about biology;
- communicate with the scientific community;
- develop expertise in the methodologies of lab and field;
- rediscover and develop innate intellectual curiosity;
- think critically as scientists;
- participate in the community of research and discovery;
- function in a community of learners;
- develop a basic understanding of biological principles, facts, and concepts; and
- are exposed to ethical decision making.

The department offers three majors (biology, biochemistry, and Oxbridge: Molecular Biology). For further information on the majors other than biology, refer to those sections of the catalog. Those who select biology as a second major must complete all requirements for the BA degree.

THE MAJOR

BIOLOGY

The major in biology leads to a Bachelor of Arts (BA) degree. Upon completion of a biology major, a student will have been exposed to a broad biology background while having had the opportunity to explore specific areas of interest through a senior thesis project. A degree in biology allows a student to pursue careers in education, research, medicine, biotechnology, conservation, and industry either through immediate entry into the career or further study at the graduate level.

For biology majors, admission into the department requires the completion of three biology classes of at least 4 credit hours each, including BIO 133 and 134 or the equivalent; a GPA minimum of 2.5 in biology and 2.5 overall; and a formal application including a self-assessment form. Only after admission into the program can students begin their four-semester Senior Thesis. Students must have a minimum GPA of 2.5 in biology and 2.5 overall to begin the project.

The department also offers opportunities for study outside the traditional major. Those interested in careers in health-related fields may pursue a pre-medicine minor or may add courses appropriate for pre-physical therapy. For those interested in applied professions relating to the environment, William Jewell offers a three-two program with Duke University leading to a Master of Forestry degree or a Master of Environmental Management degree. Applicants for this liberal arts/environment program should indicate their intentions at the time of enrollment in college.
Further details of the program are available in the pre-professional section of the catalog.

Students majoring in biology may receive certification to teach biology in grades 9-12 in the state of Missouri by majoring in both biology and secondary education. Procedures to be followed in obtaining teacher certification are included in the Student Handbook for Teacher Certification. Specific course requirements for all certification programs may be found on check sheets available in the Education Department.

The Core

- BIO 133  Evolution and Ecology (4)
- BIO 133L  Evolution and Ecology Lab (1)
- BIO 134  Biological Diversity (4)
- BIO 134L  Biological Diversity Lab (1)
- BIO 135  So, You Want To Be a Biologist? (1)
- BIO 233  Cell and Molecular Biology (4)
- BIO 233L  Cell and Molecular Biology Lab (1)
- BIO 234  Genetics (4)
- BIO 234L  Genetics Lab (1)

Upper-level Electives

Cellular category:
Two of the following courses, plus the corresponding labs (1 each):
- BIO 321  Microbiology (4)
- BIO 350  Histology (4)
- BIO 450  Biochemistry (4)
- BIO 452  Molecular Genetics (4)

Organismal category:
One of the following animal courses, plus the corresponding lab (1):
- BIO 312  Entomology (4)
- BIO 316  Biogeography (4)
- BIO 357  Animal Behavior (4)
- BIO 404  Plant-Insect Interactions (4)
- BIO 453  Ecology (4)

One of the following plant courses, plus the corresponding lab (1):
- BIO 310  Plant Biology (4)
- BIO 316  Biogeography (4)
- BIO 404  Plant-Insect Interactions (4)
- BIO 453  Ecology (4)

An upper-level class can be counted in only a single category.

Senior Thesis

BIO 360, 361, 460, 461 (1 hour each)

Cognate Field Courses

Required:
- CHE 122  General Chemistry II (4) and lab (1)
- PHY 111  College Physics I (4) and lab (1)
  or PHY 112  College Physics II (4) and lab (1)

Strongly recommended:
- CHE 301  Organic Chemistry I (4) and lab (1)
- CTI 104  Applied Calculus & Statistics (4)
  A second semester of physics and lab

Only grades of C- or higher will be accepted as satisfying the biology major requirements. Transfer students must complete a minimum of twelve hours of biology courses in residence at William Jewell College. Courses in biology that are more than 10 years old will not normally be counted toward the major.

Course Descriptions

Prior to 2010, most courses contained a combination of classroom and laboratory experiences. Laboratories are now separate courses with their own credit. Students should expect to be required to enroll simultaneously in both lecture and laboratory components of a particular course.

BIOLOGY

BIO 133 Evolution and Ecology  (4 cr. hrs.)
This is the first of a four-semester introductory sequence of courses for the biology major and introduces students to the topics of evolution and ecology. The principles of ecology are studied from the individual to ecosystem level. The principles of evolution are examined, including macro- and micro-evolutionary processes. Required of all biology majors. Fall semester.

BIO 133L Evolution and Ecology Laboratory  (1 cr. hr.)
BIO 134 Biological Diversity  (4 cr. hrs.)  
A survey of living organisms examining the 3 domains of life (Bacteria, Archaea, and Eukarya) with emphasis on Eukaryotes including protists, fungi, plants, and animals. The survey will focus on evolutionary relationships, structure and function of physiological systems and ecological and economic importance of organisms. The interactions between organisms that cause disease and their hosts will form the over-arching framework which we will use in our studies. The morphology and physiology of plants and animals will be covered in detail, examining how these organisms cope with environmental stresses. Required of all biology majors. Spring semester.

BIO 134L Biological Diversity Laboratory  (1 cr. hr.)

BIO 135 So, You Want To Be a Biologist?  (1 cr. hr.)
An introduction to skills necessary to be a successful biology major, including computer literacy, library research, scientific writing, and keeping laboratory and field notebooks. Research opportunities, both in the department and off-campus through internships, will be discussed, as well as career options in biology. Ethical issues relevant to biological research will be examined. Required of all biology majors. This class is graded on a pass/fail basis. Fall semester.

BIO 233 Cell and Molecular Biology  (4 cr. hrs.)
An introduction to the cellular and molecular levels of biological organization. The students will investigate the numerous, complex events which occur in the life of a cell. The structure and function of both prokaryotic and eukaryotic cells will be explored. This survey includes the principles of bioenergetics, cell metabolism and its regulation, photosynthesis, membrane transport, enzyme catalysis, gene expression, and the cell cycle. The laboratory experience will utilize cellular and molecular biological techniques to explore these concepts further. Required of all biology majors. Prerequisite: CHE 122 or current enrollment. Fall semester.

BIO 233L Cell and Molecular Biology Laboratory  (1 cr. hr.)

BIO 234 Genetics  (4 cr. hrs.)
This course involves the study of classical, population, and basic molecular genetics. Classical genetics will include the study of Mendelian genetics, chromosomal and cytogenetics, and quantitative inheritance. The principle and applications of molecular genetic technology will be emphasized in the second part. Student learning will occur mainly by solving problems, group work, and investigative laboratories. Required of all biology majors. Prerequisites: BIO 233; CTI 103 or equivalent. Spring semester.

BIO 234L Genetics Laboratory  (1 cr. hr.)

BIO 310 Plant Biology  (4 cr. hrs.)
A survey of photosynthetic organisms, including their morphology, physiology, ecology, systematics, and economic importance. Prerequisites: BIO 133, 134. Fall semester of every other even-numbered year, alternating with Entomology.

BIO 310L Plant Biology Laboratory  (1 cr. hr.)

BIO 312 Entomology  (4 cr. hrs.)
A study of the morphology, life histories, evolution, and ecological and economic significance of the major insect groups. Prerequisites: BIO 133 and 134. Fall semester of every other even-numbered year, alternating with Plant Biology.

BIO 312L Entomology Laboratory  (1 cr. hr.)

BIO 316 Biogeography  (4 cr. hrs.)
This course examines the peculiarities in geographical distribution of species, which have fascinated biologists for centuries. The course will examine the answers to questions about species distribution (such as, Why do the giant salamanders occur only in the Ozarks and China?) from geological, ecological, and evolutionary perspectives. By the end of the course, students will know where major groups of organisms live and the major scientific theories explaining these patterns. Furthermore, students will be able to pose biogeographical hypotheses and test those hypotheses quantitatively. Spring semester of every other odd-numbered year, alternating with Ecology. Prerequisite: BIO 133.

BIO 316L Biogeography Laboratory  (1 cr. hr.)

BIO 321 Microbiology  (4 cr. hrs.)
Study of the structure, physiology, genetics, taxonomy, and ecology of microbes, to include Eukarya, Prokarya, and viruses, including study of the immune response to those agents. Prerequisites: BIO 233; CHE 122 or currently enrolled in CHE 122. Fall semester of even-numbered years. Prerequisites: BIO 233, CHE 122.

BIO 321L Microbiology Laboratory  (1 cr. hr.)

BIO 350 Histology  (3 cr. hrs.)
A study of the microanatomy of mammalian cells focusing on how cellular structure impacts function. This course will familiarize students with detailed microanatomy of human tissues (epithelial, connective, neural, and muscle) and all organ systems in normal conditions. Some study of disease (histopathology) will be covered as it relates to an alteration in cellular/tissue microanatomy. The laboratory and lecture sections will complement each other, and the amount of time spent in each will vary depending on the topic. Prerequisites: BIO 233, CHE 122. Recommended: BMS 243 or BMS 250. Fall semester of odd-numbered years.
BIO 350  Histology Laboratory  (2 cr. hrs.)

BIO 351 Cell Physiology  (4 cr. hrs.)
A study of the structure, function, and molecular biology of cells. Will include a discussion of how various cellular events relate to the functioning of the entire organism. This course will discuss membrane structure and function, membrane transport processes, cellular metabolism, and cellular signaling. Prerequisites: BIO 233; CHE 122.

BIO 351L Cell Physiology Laboratory  (1 cr. hr.)

BIO 357 Animal Behavior  (4 cr. hrs.)
This course will consider the underlying principles that determine how an animal behaves. Animal behavior will be considered from a variety of perspectives, including genetic, physiological, evolutionary, and ecological. Prerequisites: BIO 133, BIO 134. Spring semester of even-numbered years.

BIO 357L Animal Behavior Laboratory  (1 cr. hr.)

BIO 404 Plant-Insect Interactions  (4 cr. hrs.)
This course involves an investigation into how plants are influenced by their interactions with insects. The focus will be on two specific types of interactions: pollination and herbivory. Our investigations will delve into the proximate (ecological) and ultimate (evolutionary) implications for plants of these two types of interactions. The coursework will include reading and discussion of the primary literature and an independent research project developed and implemented by the students looking at the ecology of herbivory or pollination. Fall semester of odd-numbered years. Prerequisites: BIO 134.

BIO 404L Plant-Insect Interactions Laboratory  (1 cr. hr.)

BIO 450 Biochemistry  (4 cr. hrs.)
A detailed course in biochemistry which includes a study of the occurrence, structure, function, and metabolism of biologically important molecules. There is an emphasis on molecular species such as carbohydrates, lipids, amino acids, proteins, and nucleic acids. The course cannot count toward more than one major. Prerequisites: BIO 233, CHE 301, and/or current enrollment in CHE 302. Spring semester in even-numbered years. Also listed as CHE 450.

BIO 450L Biochemistry Laboratory  (1 cr. hr.)
Also listed as CHE 450L.

BIO 452 Molecular Genetics  (4 cr. hrs.)
A detailed experimental analysis of the molecular biology of genes. Emphasis will be placed on principle of gene manipulation and its associated techniques in bacterial system. Topics will include the molecular mechanisms of DNA replication, recombination and repair, the process and regulatory control of gene expression, the characterization and generation methods of mutations, genetic analytical tools and gene transfer processes. Prerequisite: BIO 234. Spring semester in odd-numbered years.

BIO 452L Molecular Genetics Laboratory  (1 cr. hr.)
One laboratory session each week emphasizing molecular techniques to manipulate DNA and analyze gene expression.

BIO 453 Ecology  (4 cr. hrs.)
The study of ecological principles and how they relate to population, community, and ecosystem ecology. Application of principles to specific problems will be emphasized. Field work will include investigation of ecological principles as well as independent data collection and statistical analysis. Saturday field trips or trips covering several days may occur. Prerequisite: BIO 133. Fall semester of every other odd-numbered year, alternating with Biogeography.

BIO 453L Ecology Laboratory  (1 cr. hr.)

BIO 360, 361, 460, 461. Senior Thesis  (1-3 cr. hrs. each.)
A four-course laboratory, field, or library research project is required for the major. BIO 360, the first course in the Senior Thesis, is generally taken the fall of the junior year and will involve mainly library research. BIO 461 is generally taken the last semester of the senior year and will require presenting, in written and oral form, the results of the research project. BIO 361 and 460 will involve lab, field, or library research. Prerequisites: admission to the major and GPA minimum of 2.5 in biology and 2.5 overall.

BIOMEDICAL SCIENCES

Courses in the biomedical sciences do not meet any requirements of the biology or biochemistry majors. They are designed primarily for students in allied-health fields and for students who are preparing for graduate-level work in health care.

BMS 111 So, You Want to be a Premed Student? (2 cr. hrs.)
Being a physician, dentist, optometrist, or veterinarian requires not only a solid scientific background but also the ability to discuss various outcomes with patients (or their owners). While some medical conditions may have clear-cut treatments in terms of prognosis, those options may not be best for all patients due to their age, religion, or socioeconomic status. Additionally, the current era of genetic testing and pharmacogenetics has introduced a range of controversial issues that may place privacy and insurance coverage at odds with the benefits of personalized medicine. This course introduces students to clinical trials, medical terminology, medical-related primary literature, bioethics, and the spectrum of professions in healthcare. By the end of the course, students should be comfortable analyzing primary literature related to the medical fields and critically evaluating clinical trials. Furthermore, students will be able to identify ethical issues and effectively discuss and communicate all perspectives of such cases. A service-learning component will require students to explore current issues in...
healthcare and raise awareness of a selected issue on campus. Lastly, once each student has a deeper appreciation for the many possible medical-related careers, s/he will begin writing a personal statement for her/his future application to that professional program. Any student interested in pursuing a career in healthcare will find this course useful. There are no prerequisites for this course; however, instructor’s consent is required for any non-first year students to register.

**BMS 126 Introduction to Microbiology (4 cr. hrs.)**
The structure, genetics, and physiology of both bacteria and viruses will be explored. This basic knowledge will be utilized to understand disease mechanisms using a systems approach that correlates important human diseases with both human organ systems and causative microbial agents. Selected topics in immunology and public health will complement the course material. Prerequisite: CHE 113 or an equivalent course. Spring semester.

**BMS 126L Introduction to Microbiology Laboratory (1 cr. hr.)**
The laboratory will introduce the methods used to isolate, culture, stain, visualize, and identify microorganisms.

**BMS 243 Human Anatomy (4 cr. hrs.)**
An introduction to the form of the human body. A comprehensive study of the structure of all eleven organ systems of the human body. While the study of anatomy requires a good deal of memorization, the focus of this course will be to emphasize structure as it relates to function. Some aspects of development of postnatal growth will also be discussed. Spring semester.

**BMS 243L Human Anatomy Laboratory (1 cr. hr.)**

**BMS 250 Human Physiology (4 cr. hrs.)**
A comprehensive study of the function of all organ systems of the human body with a focus on their role in maintaining a constant internal environment (homeostasis). Prerequisite: CHE 113 or CHE 121. Fall semester.

**BMS 250L Human Physiology Laboratory (1 cr. hr.)**
The laboratory supplements and reinforces the material introduced in lecture through the use of case studies and laboratory activities.

**BMS 318 Applied Statistics (4 cr. hrs.)**
The results of statistical analyses of data are ubiquitous in today’s information-saturated world. In addition, statistical analyses are more and more a part of daily life for scientists, businesspeople, educators, nurses, linguists, et al. Applied Statistics introduces students to statistical concepts (probability theory, sampling theory, distributions, hypothesis testing) and applies these concepts to the design of experiments, surveys, etc. and to the analysis of various forms of data. By the end of the course students should feel comfortable with basic statistical tests such as two-sample tests, Analysis of Variance, Analysis of Covariance, and Repeated Measures Analysis. Students contemplating graduate work in a variety of fields in which quantitative data are employed will find this course to be useful. Prerequisite: CTI 103 or 104. Spring semester of even-numbered years.
THE MAJORS

ACCOUNTING

Goals for Student Learning
Graduates obtaining the Bachelor of Science degree in Accounting will

- discern the substance of an economic event, which may be different from its appearance;
- understand the financial and non-financial decision-making relationships (models) and use those for communicating information;
- interact with others with a professional demeanor, including, but not limited to expressing oneself clearly in both written and oral forms of presentation and understanding the ethical standards of the accounting profession; and
- understand and use the functional core accounting competencies suggested for the profession by the American Institute of Certified Public Accountants and the Institute of Management Accountants.

Students seeking a BS in accounting must achieve a grade of C- or better in each course required for the major. Transfer credit, awarded on a case-by-case basis, may be applied toward required courses in the major upon review by Jewell accounting faculty. A transferred accounting course will be deemed the equivalent of a Jewell accounting course only if credit for the transferred class is equal to or greater than the credit for the Jewell class. In special circumstances, after review by the Jewell accounting faculty, one semester credit...
Business and Leadership

CONTINUED

hour may be offered for fulfilling a one-hour deficiency in the case of a transfer course lacking one credit hour to be equivalent. In such a case, the Jewell accounting faculty member teaching the Jewell accounting course for which the transfer credit will substitute, will supervise the one hour’s study. (This transfer policy applies to students new to Jewell. Current students are required to earn their accounting credit at Jewell.) First-year students who plan to major in Accounting are encouraged to take ACC 111, Fundamentals of Financial Accounting, during the spring of their first year.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACC 111</td>
<td>Fundamentals of Financial Accounting</td>
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<tr>
<td>ACC 311</td>
<td>Intermediate Financial Accounting I</td>
<td>4</td>
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<tr>
<td>ACC 312</td>
<td>Intermediate Financial Accounting II</td>
<td>4</td>
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<tr>
<td>ACC 335</td>
<td>Income Tax</td>
<td>4</td>
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<tr>
<td>ACC 341</td>
<td>Cost Management Accounting I and Statistics</td>
<td>4</td>
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<tr>
<td>ACC 342</td>
<td>Cost Management Accounting II</td>
<td>2</td>
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<tr>
<td>ACC 402A</td>
<td>Seminar: The Theory and Practice of Business</td>
<td>2</td>
</tr>
<tr>
<td>ACC 402B</td>
<td>Accounting Seminar Lab: Self-Designed Project</td>
<td>2</td>
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<tr>
<td>or other approved experiential learning project</td>
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<tr>
<td>ACC 411</td>
<td>Advanced Financial Accounting</td>
<td>2</td>
</tr>
<tr>
<td>ACC 421</td>
<td>Governmental and Not-for-Profit Accounting</td>
<td>2</td>
</tr>
<tr>
<td>ACC 431</td>
<td>Auditing</td>
<td>4</td>
</tr>
<tr>
<td>BUS 202</td>
<td>Principles of Management</td>
<td>4</td>
</tr>
<tr>
<td>BUS 231</td>
<td>Business Law and Ethics</td>
<td>4</td>
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<tr>
<td>BUS 315</td>
<td>Financial Management and Statistics</td>
<td>4</td>
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<tr>
<td>ECO 101</td>
<td>Principles of Microeconomics and Statistics</td>
<td>4</td>
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<tr>
<td>ECO 202</td>
<td>Principles of Macroeconomics</td>
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BUSINESS ADMINISTRATION

Goals for Student Learning

Graduates obtaining the Bachelor of Science degree in Business Administration will be proficient in the following areas:

Knowledge Outcomes

- Context
- Practice
- Transformational Leadership

Skill Outcomes

- Cognitive skills (reasoning and critical thinking) including communication (interaction with others) skills
- Management and Leadership (administrative and human behavior) skills
- Quantitative (measurement, identification, and analysis) skills

Virtue Outcomes

- Integrity – Businesspersons must have an uncompromising adherence to moral and ethical principles; soundness of moral character
- Stewardship – To utilize the wealth and opportunity of business organizations for positively impacting individuals, society, and the environment through responsible active participation/membership in the surrounding community.
- Justice – To do right through right motives of fairness and moral responsibility in exceeding legal minima in employment and business dealings.
- Respect for Others – To develop an understanding and appreciation for others and a recognition that their decisions impact numerous individuals.

Required Courses

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<tr>
<td>ACC 341</td>
<td>Cost Management Accounting I and Statistics</td>
<td>4</td>
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<tr>
<td>BUS 101</td>
<td>Business Foundations</td>
<td>2</td>
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<tr>
<td>BUS 202</td>
<td>Principles of Management</td>
<td>4</td>
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<tr>
<td>BUS 231</td>
<td>Business Law and Ethics</td>
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<td>BUS 301</td>
<td>Human Resource Management and Statistics</td>
<td>4</td>
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<tr>
<td>BUS 305</td>
<td>Marketing Principles</td>
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<td>BUS 315</td>
<td>Financial Management and Statistics</td>
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<td>BUS 402A</td>
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<td>Business Seminar Lab: Self-Designed Project</td>
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<tr>
<td>or other approved experiential learning project</td>
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<tr>
<td>BUS 406</td>
<td>Business Problems and Policies</td>
<td>4</td>
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<tr>
<td>ECO 101</td>
<td>Principles of Microeconomics and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>ECO 202</td>
<td>Principles of Macroeconomics</td>
<td>4</td>
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<tr>
<td>ECO 308</td>
<td>Managerial Economics and Statistics</td>
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</table>

Students who transfer classes to Jewell that substitute for any of the above requirements must have a minimum of 45 hours in ACC/BUS/ECO courses.

>> www.jewell.edu/business
ECONOMICS

Goals for Student Learning
Graduates obtaining the Bachelor of Arts degree in Economics will

• understand and use the economic concepts that the American Economics Association has suggested be included in an economics major;
• understand how to apply economic methods within a business decision-making framework; and
• complete a major research project in which they apply general economic methods in a specific field of economics.

Students must receive a grade of C- or higher in each of these required courses. A student may take economics as a primary major only in the BA program. A student with a BS in another major may add a second major in economics by fulfilling the requirements listed below.

Required Courses

CTI 104  Applied Calculus and Statistics (4)
ECO 101  Principles of Microeconomics and Statistics (4)
ECO 202  Principles of Macroeconomics (4)
ECO 306  Microeconomics: The Price System (3)
or  ECO 308  Managerial Economics and Statistics (4)
ECO 307  Macroeconomics: National Income Activity and Employment (3)
ECO 451  Seminar in Economics (3)

Two other 300-400 level courses in economics, the sum of which is 6 or more semester hours.

NONPROFIT LEADERSHIP

Goals for Student Learning
Graduates obtaining the Bachelor of Arts (BA) degree in Nonprofit Leadership will

• learn the history, scope, role, and mission of the nonprofit sector;
• think critically about the ethics, values, and social responsibilities involved in the nonprofit sector;
• evaluate the role of service, voluntarism, and altruism in the nonprofit sector;
• understand the intersections of the nonprofit, private, and public sectors;
• gain knowledge of nonprofit financial resources, development of those resources, and the accounting of these resources;
• understand the role of human resource management and development including volunteer management;
• gain knowledge in microcomputers, the elements of software design, common computer software, and programs as they relate to the nonprofit sector;
• understand governance issues related to nonprofits including boards, committees, and staffing;
• acquire the skill and competence of a developing nonprofit leader through applied learning experiences;
• engage and develop knowledge of diverse cultures and socio-economic backgrounds;
• learn the requisite skills of effective nonprofit marketing and communications;
• demonstrate knowledge of decision-making models, analytical methods, strategic planning, and meeting facilitation;
• acquire understanding and appreciation for nonprofit advocacy and learn how to influence public policy; and
• demonstrate knowledge of and understand nonprofit law and the legal frameworks in which nonprofit organizations operate.

The interdisciplinary major in Nonprofit Leadership is designed to prepare students for professional careers in the nonprofit sector. The major builds on the Academic Core Curriculum and leads to a (BA) degree. Students are encouraged to choose a second language related to their nonprofit interests for the language requirement. Students who earn a BS degree in conjunction with the first major may earn a second major in Nonprofit Leadership by fulfilling the academic core requirements for the BS degree and all nonprofit major requirements.

Required Courses

ACC 111  Fundamentals of Financial Accounting (4)
BUS 202  Principles of Management (4)
BUS 231  Business Law and Ethics (4)
BUS 305  Marketing Principles (4)
COM 260  Organizational Communication (4)
LSP 100  Introduction to Philanthropy, Volunteerism, & Nonprofit Sector (2)
LSP 250  Leadership: Cornerstone Course (2)
LSP 270  Nonprofit Governance & Volunteer Management (2)
LSP 320  Nonprofit Board and Committee Development (2)
LSP 360  Nonprofit Advocacy and Public Policy (2)
LSP 401  Nonprofit Law and Risk Management (2)
LSP 460  Financial Development for Nonprofit Organizations (3)
Designated Electives

Electives must be selected from the following list to total a minimum of 44 hours in the major:

- BUS 455  Advanced Consulting (4)
- ENG 220  Business Writing (4)
- LSP 210  Nonprofit Leadership Special Topics (1)
- LSP 261  Nonprofit Leadership Association (0.5)
- LSP 390  Meeting Facilitation and Strategic Planning (2)
- LSP 475  Nonprofit Leadership: Internship (3)
- LSP 490  Nonprofit Leadership Institute - PMC (1)
- PSY 305  Developmental Psychology: Childhood (2)
- PSY 306  Developmental Psychology: Adolescence (2)
- SVL 101  Meeting Human Needs and Alleviating Suffering (2)
- SVL 201  Strategies and Resources for Meeting Human Needs (2)

Students who complete this major should strongly consider completing the Jewell Nonprofit Leadership Certificate and enrolling in LSP 261, but this is not required.

Notes:

1. Pryor Fellows who elect this major may substitute LSP 251 and LSP 350 for COM 260. They may also substitute LSP 300 (Volunteer Internship) and LSP 301 (Vocational Internship) for LSP 475, if the selected experiences are in the nonprofit sector and meet the common criteria in regard to hours, location, and learning outcomes.

2. Students seeking the Nonprofit Leadership Certificate will be required to take LSP 261 for a minimum of 3 semesters. LSP 261 can be taken up to a maximum of 8 semesters. Up to 4 hours of credit from LSP 261 can count toward the Nonprofit Leadership major.

3. Students cannot earn both the Nonprofit Leadership major and minor.

THE MINORS

BUSINESS ADMINISTRATION

The minor will require 18 hours of business exposure. The Business minor will not be available to Business majors. This minor is open to Accounting majors, but they are required to take two of the designated electives in order to have a minimum of 9 hours in the minor that is not a part of their major.

Required Courses

- ACC 111  Fundamentals of Financial Accounting (4)
- BUS 101  Business Foundations (2)
- BUS 202  Principles of Management (4)
- ECO 101  Principles of Microeconomics and Statistics (4)

One of the following designated electives:

- BUS 301  Human Resource Management and Statistics (4)
- BUS 305  Marketing Principles (4)
- BUS 316  Financial Investments (4)

ECONOMICS

Required Courses

- ECO 101  Principles of Microeconomics and Statistics (4)
- ECO 202  Principles of Macroeconomics (4)
- ECO 307  Macroeconomics: National Income Activity and Employment (3)
- ECO 308  Managerial Economics and Statistics (4)
  or ECO 306  Microeconomics: The Price System (3)

Two other 300-400 level courses, the sum of which is 6 or more hours in economics

ENTREPRENEURIAL LEADERSHIP

Students pursuing majors in other disciplines but with an interest in business/entrepreneurship may choose to minor in Entrepreneurial Leadership. The minor consists of a core of Leadership, Accounting, and Business courses totaling 17-18 hours. Students must then choose one additional 3-4 credit hour approved elective. (See below.) At least 9 hours in the minor must be completed in residence at William Jewell College. Business majors are required to take a minimum of 3 courses totaling at least 9 hours that do not count towards their major.

Required Courses

- LSP 250  Leadership Cornerstone Course (2)
- ACC 111  Fundamentals of Financial Accounting (4)
- BUS 202  Principles of Management (4)
- BUS 362  New Venture Creation (4)
- BUS 451  Seminar in Business Administration (3)
  or BUS 455  Advanced Consulting Engagement (4)
Select one of the following designated electives:
ACC 335 Income Tax (4)
BUS 231 Business Law and Ethics (4)
BUS 301 Human Resources Management and Statistics (4)
BUS 305 Marketing Principles (4)
BUS 315 Financial Management and Statistics (4)

NONPROFIT LEADERSHIP

Students wishing to obtain a minor in Nonprofit Leadership will be majoring in other areas but have an interest in the nonprofit world, with representative organizations such as hospitals, human service organizations, international non-governmental organizations, and many others.

Required Courses
ACC 111 Fundamentals of Financial Accounting (4)
BUS 305 Marketing Principles (4)
COM 260 Organizational Communication (4)
or BUS 202 Principles of Management (4)
LSP 100 Introduction to Philanthropy, Volunteerism, & Nonprofit Sector (2)
LSP 250 Leadership: Cornerstone Course (2)
LSP 270 Nonprofit Governance & Volunteer Management (2)
LSP 300 Volunteer Internship (1)
LSP 320 Nonprofit Board and Committee Development (2)

Notes:
1. Students may use internship credit available through a major department to substitute for LSP 300 if the internship is in the nonprofit sector and meets the common criteria.
2. Pryor Fellows who elect this minor may substitute LSP 251 and LSP 350 for COM 260.
3. Students who complete this minor should strongly consider completing the Jewell Nonprofit Leadership Certificate, but this is not required.

Course Descriptions

ACCOUNTING

ACC 111 Fundamentals of Financial Accounting (4 cr. hrs.)
Measuring, processing, analyzing, and interpreting elements of the four basic financial statements. Only financial accounting courses of four or more hours may substitute for ACC 111. Recommended prerequisites: CTI 103 or CTI 104 and Sophomore standing. Accounting majors are encouraged to take ACC 111 during the spring semester of their first year.

ACC 311 Intermediate Financial Accounting I (4 cr. hrs.)
Application of accounting theory, standards, principles, and procedures to financial accounting problems. Study of the objectives of external financial statements and professional accounting. Particular emphasis on assets, liabilities, and corporate capitalization. Prerequisite: ACC 111 with grade of C- or better.

ACC 312 Intermediate Financial Accounting II (4 cr. hrs.)
Continuation of 311 with study including pensions, leases, accounting changes, income recognition, deferred taxes, and cash flow. Inclusion of professional projects. Prerequisite: ACC 311 with a grade of C- or better.

ACC 335 Income Tax (4 cr. hrs.)
Theoretical basis for taxation from laws and regulations, determination of taxable income, deductions, exclusions, and study of, and filing returns. Prerequisite: ACC 111 with a grade of C- or better.

ACC 341 Cost Management Accounting I and Statistics (4 cr. hrs.)
Fundamentals of managerial cost accounting including cost/benefit analysis, behavioral considerations, cost-volume-profit analysis, measurement analysis, basic costing systems, budgeting, variance analysis, allocation processes, and strategic analysis. The equivalent of one credit hour is devoted to statistics. Only managerial cost accounting courses of four or more hours may substitute for ACC 341. Prerequisite: ACC 111 with grade of C- or better. Recommended: ECO 101.

ACC 342 Cost Accounting II (2 cr. hrs.)
Continuation of 341 with study including management decision models, capital budgeting, inventory control, process costing, transfer pricing, and performance evaluation. Additional analysis of production control is studied. Prerequisite: ACC 341 with a grade of C- or better.

ACC 360 Independent Studies in Accounting (1-3 cr. hrs.)
Opportunities to pursue study in topics of particular interest are provided in independent studies with consent of instructor.

ACC 402 A Seminar: The Theory and Practice of Business (2 cr. hrs.)
This course will provide students with opportunities to reflect, analyze, and assess their own experiences. Through listening to other students discuss their projects, students will begin to understand that there are common threads and important differences among their experiences in relation to the contexts in which their particular experiences occurred. Readings will be used for students to revisit some of the fundamental questions presented throughout the accounting curriculum and link their experiential projects to fundamental accounting/business concepts and to innovative, cutting-edge business practices. Senior standing required. Cross-listed with BUS 402A.
BUS 202  Principles of Management  (4 cr. hrs.)
This course offers a historical and contemporary look at key management principles. The four functions of management – planning, organizing, leading, and controlling – are utilized as the lens to view a multitude of contemporary business issues and practices. Course readings, case studies, lecture, discussion, and presentations by visiting professionals are all used to deliver a comprehensive overview of the management function. Additionally, students engage in research on emerging management topics. This course also includes a business communication lab. Sophomore standing required.

BUS 231 Business Law and Ethics  (4 cr. hrs.)
This course offers a survey of legal topics necessary for managerial roles. These topics include contracts, employment law, safety, torts, business structures, and various other topics relevant to managing business today. The topic of business ethics is used as a foundation to discuss and analyze the various legal components addressed. Sophomore standing required.

BUS 232 Business Law II  (2 cr. hrs.)
Corporations, partnerships, negotiable instruments, bailments, and personal property. Sophomore standing required.

BUS 301 Human Resource Management and Statistics  (4 cr. hrs.)
This course is a survey of the major human resource management functions including legal concerns, planning, staffing, training and development, performance management, compensation, health and safety, and employee and labor relations. Behavioral research in the area will be examined. Special application exercises or service-learning opportunities are used to enhance skill development. The equivalent of one credit hour is devoted to statistics. Prerequisites: BUS 202 and sophomore standing.

BUS 302 Organizational Behavior  (3 cr. hrs.)
Organizational behavior is the systematic study of the actions and attitudes that people exhibit within work-related organizations. The purpose of the study of organizational behavior is to enhance individual and organizational performance. This course examines the theories and skills necessary to understand and manage human behavior in business organizations, concentrating on motivation, job attitudes, communication, leadership, teams, organizational culture, and organizational development. Prerequisite: BUS 202.

BUS 305 Marketing Principles  (4 cr. hrs.)
This is a lecture and discussion based survey course overview of the concepts, strategies, processes, and participants involved in the exchange of goods and services. Topics include product development, market research, marketing management, global marketing strategy, ethics, consumer behavior, pricing, distribution, and promotion. Project work in applying the marketing mix variables is used to validate learning. Prerequisites: BUS 202 and junior standing.
BUS 315 Financial Management and Statistics  (4 cr. hrs.)
This course is designed to introduce the general business student to the world of finance. Anyone involved with the management of a business needs to have a basic understanding of business finance. The course covers a variety of basic financial concepts, including the time value of money, asset valuation, and risk and return in order to provide a framework for making rational business decisions. Students will learn to analyze and prioritize business opportunities and budget for capital expenditures and gain an understanding of financial planning and forecasting. This course will draw upon statistical concepts to assess and analyze financial decision making. The equivalent of one credit hour is devoted to statistics. Prerequisites: ACC 341, BUS 202, ECO 101 and 202. Junior standing is required.

BUS 316 Fundamentals of Investment Management  (4 cr. hrs.)
This course is designed for students interested in finance and investments and is one of the electives in the Business minor. The course covers a variety of investment concepts, including equity analysis and valuation, fixed income securities, derivative products, investment strategies, and portfolio management. Students will become familiar with the myriad of investment products and strategies available. The course will also provide students with a foundation necessary to become informed investors, whether professionally or for personal accounts. Prerequisite: BUS 315.

BUS 318 Business Statistics
The modules of this course provide a study of statistical methods used in business research, analysis, and decision making, preparation and presentation of data, frequency distribution, measures of central tendency and dispersion, statistical inference, regression, and correlation. The course will be offered through five modules as indicated below.

BUS 318A Statistics Module 0  (0 cr. hr.)
Review of statistical topics from CTI 103 or 104, including describing data, probability and distribution, sampling, estimation and confidence intervals, and sample testing.

BUS 318B Statistics Module 1  (1 cr. hr.)
Sampling and Estimation – Required of students who have taken BUS 301, Human Resource Management, without a statistics component.

BUS 318C Statistics Module 2  (1 cr. hr.)
Hypothesis testing – Required of students who have taken ACC 341, Cost Management Accounting I, without a statistics component.

BUS 318D Statistics Module 3  (1 cr. hr.)
ANOVA (Multiple Regression) and Chi-Squared – Required of students who have taken ECO 308, Managerial Economics, without a statistics component.

BUS 318E Statistics Module 4  (1 cr. hr.)
Linear Regression, Correlation, and Multiple Regression – Required of students who have taken BUS 315, Financial Management, without a statistics component.

BUS 326 Quantitative Methods in Business and Economics  (3 cr. hrs.)
Exploration of quantitative techniques in the decision sciences applied to business and economics. Emphasis is placed on problem formulation and modeling, model use, and analysis of quantitative findings for the purpose of supporting managerial decision processes.

BUS 360 Independent Studies in Business Administration  (1-3 cr. hrs.)
Opportunities to pursue study in topics of particular interest are provided in independent studies with consent of instructor, and are open to Business majors with a GPA of 3.0 or above.

BUS 361 Students in Free Enterprise (SIFE)  (0.5 cr. hrs.)
Business leadership training and experience using the student team, Students in Free Enterprise (SIFE). Participation on college-sponsored teams to compete against students from other colleges while acquiring knowledge and skills regarding teaching, service, leadership, organization, networking, and communication as it relates to the community. A student may accumulate a maximum of 4 hours of credit in this course by enrolling in multiple semesters.

BUS 362 New Venture Creation  (4 cr. hrs.)
This course is an introduction to the entrepreneurial process from conception to the birth of a new venture. It discusses attributes of successful entrepreneurs, innovation and creativity, opportunity recognition, venture screening, identification of resources, and feasibility analysis. There will also be an extensive applied project in the course. Prerequisites: BUS 202 and ACC 111.

BUS 402A Seminar: The Theory and Practice of Business  (2 cr. hrs.)
This course will provide opportunities for students to reflect together, analyze, and assess their experiences. Each student will learn by reflecting on his/her own project and by listening to other students discuss their projects. Students will begin to understand that there are common threads among their experiences and also see that there are important differences. Students will begin to understand the context in which their particular experience occurred and will be better able to adapt to new experiences. Prerequisite: Experiential project or concurrent enrollment in BUS 402B. Cross-listed with ACC 402A.
BUS 402B Business Seminar Lab:
Self-designed Project (2 cr. hrs.)
Students who are enrolled in BUS 402A and who have not previously completed an experiential learning project will need to enroll in this course. The instructor will work with each student to design a project that will provide an application of the concepts studied in the major. BUS 402B is open only to students who are concurrently enrolled in BUS 402A. Senior standing is required.

BUS 406 Business Problems and Policies (4 cr. hrs.)
A case study course in strategic management requiring students to apply knowledge acquired in their major program. Students will be expected to solve complex problems which involve the simultaneous consideration of many functional areas of business. Senior standing. Prerequisites: ACC 341, BUS 231, 301, 305, 315, ECO 202, and consent of instructor. Should be taken during the last semester before graduation.

BUS 410 Special Topics in Business (4 cr. hrs.)
This course offers an opportunity for a student to engage in an in-depth exploration of a current topic. This course will be offered to address timely issues in the field of business.

BUS 430 Marketing Research (4 cr. hrs.)
This study of research methodology will look at problem definition, sample design, questionnaire construction, gathering and interpreting of field and/or secondary data, and oral and written presentation of research findings and conclusions. Teams will be required to develop and complete a market research field study project while demonstrating professional consulting practices. Prerequisite: BUS 305.

BUS 451 Seminar in Business Administration (3 cr. hrs.)
Writing, presenting, and discussing of substantive papers on selected seminar topics. Senior standing or consent of instructor.

BUS 455 Advanced Consulting Engagement (4 cr. hrs.)
This is an experiential learning driven course in which students function as a consulting team on one or more live projects in the business world under the direction of a faculty member who acts as “managing partner.” Student consulting teams engage a client early in the semester, determine the scope of the project, and work together to deliver a findings report and recommendations to the client by the end of the semester. This course offers a challenging hands-on experience in a real business environment for highly motivated juniors and seniors who have successfully completed course work in all functional areas of business. Admission to the course is based on a competitive application process, with instructor consent required.

BUS 460 Independent Studies in Business Administration (1-3 cr. hrs.)
Opportunities to pursue study in topics of particular interest are provided in independent studies with consent of instructor, and are open to Business majors with a GPA of 3.0 or above.

BUS 481 Internships (1 to 6 cr. hrs.)
Experiential learning opportunities with approved business sponsors. Enrollment is with instructor consent through regular registration process. Evaluation is by letter grade through assessment of weekly journals, written evaluation by business supervisor, and a final reflection paper. Students must commit to a work schedule of 75 contact hours for every credit hour sought, up to a maximum of 6 credits. Project work assignments are expected where students can apply classroom knowledge to real business challenges. Prerequisites: 3.0 GPA, completion of 60+ hrs, or instructor’s consent.

ECONOMICS

ECO 101 Principles of Microeconomics and Statistics (4 cr. hrs.)
This course is designed to introduce students to the discipline of economics, with an emphasis on microeconomics, which studies the behavior of the firm. The course covers a variety of economic concepts, including supply and demand analysis, consumer choice, and cost of production. Statistical analysis will be utilized to address microeconomic problems. Students will gain an understanding of the basic models of product and labor markets, and how these markets are affected by the competitive structure within which a firm operates.

ECO 202 Principles of Macroeconomics (4 cr. hrs.)
This course covers fundamental aspects of economic principles that govern our economy in the United States. These topics include the national income accounts, commercial banking and the Federal Reserve System, and government policies for achieving stable prices and full employment. Prerequisites: ECO 101 and sophomore standing.

ECO 306 Microeconomics: The Price System (3 cr. hrs.)
The study of prices, production, consumption, resource allocation, and market structures. Students may not receive credit toward graduation for both ECO 306 and ECO 308. Prerequisite: ECO 101.

ECO 307 Macroeconomics:
National Income Activity and Employment (3 cr. hrs.)
A study of macroeconomic theories from 1890 to the present including classical theory, Keynesian theory, monetarism and new classical economics, and modified versions of Keynesian theory. Prerequisite: ECO 202.
ECO 308 Managerial Economics and Statistics  (4 cr. hrs.)
This course is designed to enable students to apply economic theory and analysis to the decision-making process of business firms. As such, students will move from a theoretical to a practical understanding of microeconomics. The course uses a variety of analytical techniques (from the disciplines of calculus and statistics) in conjunction with microeconomic theory to find practical solutions to real-world business problems, including optimal production and pricing decisions, cost minimization strategies, and the overall objective of maximizing shareholder wealth. Students will learn how these decisions are affected by the competitive structure within which a business operates. The equivalent of 1 credit hour is devoted to statistics. Prerequisites: ECO 101 and CTI 103 or CTI 104. Students may not receive credit toward graduation for both ECO 306 and ECO 308.

ECO 324 Labor Economics  (3 cr. hrs.)
Supply and demand for labor and the determination of wages, how labor unions and governments intervene in labor markets, migration, discrimination, the job search process, and unemployment. Prerequisite: ECO 101.

ECO 329 Economic Development  (4 cr. hrs.)
This course introduces students to the economic, social, political, and institutional mechanisms necessary to bring about rapid and large-scale improvements in the standard of living for the masses of Africa, Asia, and Latin America. Students will be required to write a research paper in which they apply economic theory to a development area. Cross-listed with CTI 279.

ECO 360 Independent Studies in Economics  (1-3 cr. hrs.)
Opportunities to pursue study in topics of particular interest are provided in independent studies with consent of instructor.

ECO 402 Money and Banking  (3 cr. hrs.)
History and structure of financial institutions, objectives, and instruments of monetary policy, current monetary issues, and problems. Prerequisite: ECO 202 or consent of instructor.

ECO 404 Introduction to International Economics  (3 cr. hrs.)
Why nations trade and how governments attempt to control that trade, exchange rates, the Balance of Payments, monetary and fiscal policy in an open economy. Prerequisites: ECO 101 and ECO 202 or consent of instructor.

ECO 451 Seminar in Economics  (3 cr. hrs.)
Each student will research an economic area, such as labor economics, development, banking, or international economics, and write a substantive research paper which emphasizes how specific economic theories can be applied in that area. Senior standing or consent of instructor.

ECO 460 Independent Studies in Economics  (1-3 cr. hrs.)
Opportunities to pursue study in topics of particular interest are provided in independent studies with consent of instructor.

ECO 481 Internships  (1 to 6 cr. hrs.)
Experiential learning opportunities with approved business sponsors. Enrollment is with instructor consent through regular registration process. Evaluation is by letter grade through assessment of weekly journals, written evaluation by business supervisor, and a final reflection paper. Students must commit to a work schedule of 75 contact hours for every credit hour sought, up to a maximum of 6 credits. Project work assignments are expected where students can apply classroom knowledge to real business challenges. Prerequisites: 3.0 GPA, completion of 60+ hrs, or instructor’s consent.

LEADERSHIP

LSP 100 Introduction to Philanthropy, Volunteerism, and Nonprofit Sector  (2 cr. hrs.)
In this course, students are introduced to the nonprofit sector and the role commitment to mission plays in philanthropy and volunteerism within society. Students will study the history of nonprofit organizations in the United States so as to develop a historical perspective and understand the magnitude, scope, and functions of the nonprofit sector and its relationships with business and government. Students will study the various roles and diversity of fields in the nonprofit sector, including but not limited to religion, arts and culture, education, health, environment, youth and human services. Emphasis is placed on ethical, moral, and practical issues in nonprofit leadership, the trust the third sector holds in relationship to other social sectors, and the sector’s responsibility to serve the common good.

LSP 210 Nonprofit Leadership Special Topics  (1 cr. hr.)
Topics of this seminar will vary; past topics include “Intersection of the Private and Nonprofit sectors”, “Boards with Influence and Impact”, “Nonprofits Meeting the Needs of Cultures Worldwide”, “Beyond Legislation: Our Ethical Responsibility” Topics will be announced in course listings. Students will be required to write reflection papers on each presentation and maintain a portfolio of their work.

LSP 250 Cornerstone Course  (2 cr. hrs.)
This course will introduce students to leadership theory, engage them in a variety of self-understanding and assessment exercises, provide them individual and collective leadership experiences, and assist them in preparing and executing their first leadership growth plans.
LSP 251 Service-Leadership Experience: Outward Bound Trip (2 cr. hrs.)
This off-campus experiential learning experience will allow students to put into practice leadership skills and ideas learned during the introductory seminar. The trip will include a service component. Students are responsible for the trip's cost, which is set by the Outward Bound School. The trip is scheduled during the break between fall and spring semesters.

LSP 261 Nonprofit Leadership Association (0.5 cr. hrs.)
This course is designed to provide academic content as well as experiential activities that will be applied toward the Jewell Nonprofit Leadership Certificate. This certificate is based upon 10 professional competencies that are intended to prepare students for leadership and service in the nonprofit sector. Competencies will be achieved on an individual basis as well as through team projects and organizational activities. A student may accumulate up to 4 hours of credit in this course through enrollment during multiple semesters.

LSP 270 Nonprofit Governance and Volunteer Management (2 cr. hrs.)
In this course, students will examine the functions of boards and committees in the nonprofit sector. Students will study the key components of a successful volunteer program, recruitment strategies, and learn how to retain good volunteers. Students will focus on the role, value, and dynamics of volunteerism in fulfilling the missions of nonprofit organizations. Students will also be introduced to risk management factors that need to be considered in volunteer management, including effective staff and volunteer screening.

LSP 300 Volunteer Internship (1 cr. hr.)
This internship is a non-paid experience fostering civic volunteerism and civic leadership. Its purpose is to link theory and practice, providing students the opportunity to observe in a volunteer setting the leadership/followership concepts studied in the program. Each student will work under the supervision of a leadership mentor and will devote a minimum of 70 hours to the internship. Forum obligations and meetings with instructors will be included in the 70 hours. (LSP 300 must be successfully completed before taking LSP 350.)

LSP 301 Vocational Internship (1 cr. hr.)
This internship provides an opportunity for students to explore and experience first-hand their own career interests. Its purpose is to link theory and practice, providing students the opportunity to observe in a vocational setting the leadership/followership concepts studied in the program. Each student will work under the supervision of a leadership mentor and will devote a minimum of 70 hours to the internship. Forum obligations and meetings with instructors will be included in the 70 hours. The internships must have a reasonable relationship to students' majors. Students may accept pay for this internship. (LSP 301 must be successfully completed before taking LSP 350).

LSP 320 Nonprofit Board and Committee Development (2 cr. hrs.)
In this course, students will examine the function of boards and committees in the nonprofit sector. Students will study the history of boards and how boards of the future will face new leadership challenges and demands. Students will study the increased scrutiny that nonprofits are under for accountability and transparency both by federal and state regulators and other key stakeholders. This course will focus on utilizing boards to achieve organizational goals and maximize effectiveness. Students will learn how to assess and improve the effectiveness of a board, the executive director and top management, and the overall governance structure of the organization. Students will also learn typical governance problems and the best practices for dealing effectively with their successful resolution. The course will explore how to recruit, build, and maintain a future-oriented entrepreneurial board that provides strategic leadership to the nonprofit organization.

LSP 350 Capstone Course (2 cr. hrs.)
The course will re-examine leadership theory and assist students in creating a plan for continued personal and leadership growth. Students design and implement a “Leadership Legacy” project. Spring semester of junior year, or spring semester of senior year if the student enters as a sophomore and elects to study overseas during the junior year.

LSP 351 Leadership in Modern Society (2 cr. hrs.)
This is a senior-level course taught by the President of the college focusing on the evolving complexities of having a high-level leadership role in modern society. Topics include, “The Penalties of Leadership,” “Fragmentation and the Common Good,” “The Rigors of Public Life,” and “The Anti-leadership Vaccine.” Senior standing.
LSP 360  Nonprofit Advocacy and Public Policy  (2 cr. hrs.)
This course will examine the historic role nonprofit organizations have played in influencing public policy and social change in this country. It will provide an overview of the diverse strategies being used by nonprofits to carry out their missions. These strategies include, but are not limited to, organizing, public education litigation, mobilization, demonstrations, polling, research, lobbying, and working with the media. The course will also focus on the relationship between the different sectors including nonprofit, government, and the private sector. The course will also assess the extent to which philanthropy has assisted in financing public policy, advocacy, and organizing change.

LSP 390  Meeting Facilitation and Strategic Planning  (2 cr. hrs.)
This course will enable students to understand the relationship between planning and nonprofit organizational effectiveness. Students will learn the necessary skills that help them set the vision, strategies, and measures for their nonprofit organization that enable them to articulate a clear strategic plan. Emphasis is on environmental scanning, planning and control, allocation of resources, evaluation of strengths and weaknesses, appraisal of present and future competition, and implementation of chosen strategies. This course will also focus on the skills involved in conducting effective meetings. Students will learn how to facilitate different types of meetings (why and when to use a facilitator) and facilitation skills (objectivity, focus, handling the group dynamic, perception checking, building consensus, and meeting assessment). Students will gain experience using different meeting facilitation tools including electronic white boards, flip charts, and decision-making technologies (Jewell Round Table).

LSP 401  Nonprofit Law and Risk Management  (3 cr. hrs.)
This course investigates the legal issues and organizational risks affecting nonprofit organizations today. Students will study the foundational laws and regulations governing nonprofit organizations. Content includes strategies to create and perpetuate safe and productive environments for all stakeholders and effects of sound decision-making to diminish and control corporate and individual liability. In addition, students will examine the risk management factors that need to be considered in nonprofit leadership but are not limited to insurance basics, managing employment risks, managing governance risks, special event safety, managing facility risks, and risk management for youth and human service programs.

LSP 460  Financial Development for Nonprofit Organizations  (3 cr. hrs.)
This course focuses on the key components of successful financial development for nonprofit agencies including the development process, building the case for support, the fundraising plan, building a base of donor-investors, event planning, annual and capital campaigns, giving and stewardship, role of board members, and social entrepreneurship. Through individual and small group projects, along with case studies, students will engage in designing and implementing a development program for a nonprofit organization.

LSP 475  Nonprofit Leadership Internship  (3 cr. hrs.)
A structured, 300-hour internship with a 501(c) 3 nonprofit organization. The internship provides the student an opportunity to experience the nonprofit field and gain real-world experience in the field of nonprofit leadership. Students will observe and practice implementing professional nonprofit competencies along with building networks and relationships in the nonprofit field. Students will keep a journal, have a mentor evaluator, and complete a reflection paper upon completion of the internship.

LSP 490  Nonprofit Leadership Institute - PMC  (1 cr. hr.)
The Philanthropy Midwest Conference (PMC) is a national, premier conference for nonprofit organizations, volunteers, and professionals that is held in Kansas City. Students will attend and experience keynote speakers and workshops focused on critical nonprofit leadership topics such as fundraising, marketing, program development, communications, risk management, governance, board development, volunteer and staff management, public policy, advocacy, and strategic planning. Students will have a unique opportunity to network with attendees during the two-day conference. In addition to attending the Philanthropy Midwest Conference, students will work with a local nonprofit organization for a full day case study experience. The case study experience will be congruent with the Philanthropy Midwest Conference topics. A detailed reflection paper and case study analysis will be the culminating assignments. Students must have junior or senior standing, must be an active member of the Jewell Nonprofit Leadership Association, must have completed one nonprofit internship, must be working towards the Jewell Nonprofit Leadership Certificate, and must obtain the instructor’s consent to take this course.

LSP 520  Formation of a Leader: Doniphan Leadership Institute  (3 hrs. of graduate credit)
This course is designed for learners who are executive leaders in corporate, nonprofit, education, and government industries to enhance and develop their leadership capabilities. Students learn leadership theory and practice through classroom lectures, facilitated conversations, and experiential learning. Students learn leadership application through assigned readings, self exploration exercises, the development of a leadership growth plan, papers, case study analysis and real world application in the positions they hold. Prerequisite: Bachelor’s degree.
MILITARY LEADERSHIP STUDIES

MLS 102 Leadership Practicum I (1 cr. hr.)
This practicum examines leadership in basic tactical and patrolling operations. It includes a tactical application exercise and participation in physical fitness conditioning as course requirements. Students will gain leadership skills in the areas of planning, motivation, and implementation through learning battle tactics and implementing those tactics with their team members. Requires concurrent enrollment in MLS 116.

MLS 112 Leadership Practicum II (1 cr. hr.)
This course is a continuation of MLS 102. It examines more advanced squad and platoon tactical operations with emphasis on patrolling operations. Topics include: leadership techniques, basic first aid, and problem-solving exercises. A tactical field application exercise and physical fitness conditioning program are included as course requirements. Students perform duties as leaders of small units. Requires concurrent enrollment in MLS 126.

MLS 116 Foundations of Officership (1 cr. hr.)
The course introduces the students to issues and competencies that are central to a commissioned officer’s responsibilities. These initial lessons establish a framework for understanding officership, leadership, and Army values. This course is designed to give the student an accurate insight into the Army profession and the officer’s role in the Army.

MLS 126 Basic Leadership (1 cr. hr.)
This course builds on the fundamentals introduced in MLS 116 by focusing on leadership theory and decision making. “Life skills” lessons in this semester include the following: problem solving, critical thinking, leadership theory, followership, group interaction, goal setting, and feedback mechanisms. Upon completion of this course, students are prepared to advance to more complex leadership instruction concerning the dynamics of an organization. Additionally, students will be increasingly required to demonstrate knowledge of leadership fundamentals and communications. Prerequisite: MLS 116 or consent of instructor.

MLS 202 Leadership Practicum III (1 cr. hr.)
This course examines squad and platoon offensive and defensive operations and leadership procedures in patrolling operations. This practicum includes a tactical application exercise and participation in physical fitness conditioning as course requirements. Students will perform various leadership roles and present their observations and reflections through leadership of classroom instruction and discussion. Prerequisites: MLS 116 and MLS 126. Requires concurrent enrollment in MLS 216.

MLS 212 Leadership Practicum IV (1 cr. hr.)
This course is a continuation of MLS 202. It examines advanced squad and platoon offensive and defensive operations, reaction to obstacles, and leadership procedures in patrolling operations. It includes a tactical application exercise and participation in physical fitness conditioning as course requirements. Students will perform in various leadership roles and present their findings in the classroom. Prerequisites: MLS 116, 126, and 216. Requires concurrent enrollment in MLS 226.

MLS 216 Individual Leadership Studies (2 cr. hrs.)
This course is designed to develop within students a knowledge of their own leadership skills. Through experiential learning activities, students will develop problem-solving and critical-thinking skills. They will also apply communication skills, feedback techniques, and conflict-resolution practices. Building upon the fundamentals introduced in MLS 116 and 126, this course delves deeper into several aspects of communication and leadership theory. The course concludes with a major leadership and problem-solving case study that draws upon previous instruction. Prerequisites: MLS 116 and MLS 126, or consent of instructor.

MLS 226 Leadership and Teamwork (2 cr. hrs.)
This course focuses on self-development guided by knowledge of self and group processes. Experiential learning activities are designed to challenge students' current beliefs, knowledge, and skills. This class takes the approach of placing students in a major leadership and problem-solving case study that draws upon previous instruction. Prerequisite: MLS 116, 126, and 216, or consent of instructor.

MLS 302 Leadership Practicum V-Lab (1 cr. hr.)
This practicum examines squad and platoon offensive and defensive operations, the patrol leader in patrolling operations, and a tactical application exercise. Participation in physical fitness conditioning and a tactical application exercise is required. Prerequisite: Concurrent enrollment with MLS 316 and completion of MLS 116, MLS 126, MLS 216, and MLS 226 or LTC at Fort Knox, KY.

MLS 312 Leadership Practicum VI-Lab (1 cr. hr.)
This practicum provides familiarity with military firearm. This class provides instruction and practice including assembly and disassembly, tactical communications, field artillery request, and a tactical application exercise. Participation in physical fitness conditioning and a tactical application exercise is required. Prerequisite: Required concurrent enrollment with MLS 326 and completion of all MLS 100 and MLS 200 classes or LTC at Fort Knox, KY.
Business and Leadership
CONTINUED

**MLS 316 Leadership and Problem Solving** (3 cr. hrs.)
MLS 316 provides the students the ability to fully understand the essential knowledge and skills necessary for successful performance of key cadet leadership tasks. Following an introduction to the principles of physical fitness and healthy lifestyles, lessons will cover: the Leader Development Program, planning and conducting individual and small unit training, basic tactical principles, reasoning skills, and the military-specific application of these skills in the form of the Army’s troop-leading procedures. Prerequisite: Completion of all MLS 100 and 200 class credits or LTC at Fort Knox, KY.

**MLS 326 Leadership and Ethics** (3 cr. hrs.)
MLS 326 is a continuation of the focus from MLS 316 on doctrinal leadership and tactical operations at the small unit level. Instructional modules include: Army branches, Army leadership philosophy, dynamics of a group environment, oral and written presentation skills, culminating in instruction in national and Army values and ethics. This critical course synthesizes the various components of training, leadership, and team building. Prerequisite: Completion of eight MLS class credits including MLS 316 and consent of the instructor.

**MLS 402 Leadership Practicum VII** (1 cr. hr.)
MLS 402 and 412 offer the culminating practicum experience that provides practical applications in problem analysis, decision making, planning and organization, and delegation and control. These two practica provide the laboratory to bring together the knowledge gained in the classroom and apply it simulated experiences. Prerequisite: Required concurrent enrollment with MLS 416 and completion of 10 MLS class credit hours including MLS 312 with instructor consent.

**MLS 412 Leadership Practicum VIII** (1 cr. hr.)
MSLP 402 and 412 offer the culminating practicum experience that provides practical applications in problem analysis, decision making, planning and organization, and delegation and control. These two practica provide the laboratory to bring together the knowledge gained in the classroom and apply it simulated experiences. Prerequisite: Required concurrent enrollment with MLS 426 and completion of 12 MLS class credit hours including MLS 402 with instructor consent.

**MLS 416 Leadership and Management** (3 cr. hrs.)
A series of lessons designed to enable students to make informed career decisions as they prepare for commissioning and service as Second Lieutenants. Classes concentrate on Army operations and training management, and communications and leadership skills, which support the final transition from cadet/student to Lieutenant/leader. Subjects include: The Army Training Management System, coordinating activities with staffs, and counseling skills. At the end of this semester, students should possess the fundamental skills, attributes, and abilities to operate as a competent leader in the cadet battalion. Prerequisite: Required concurrent enrollment with MLS 402 and completion of all MLS 100-200-300 level courses and with instructor consent.

**MLS 426 Officemanship** (3 cr. hrs.)
A series of lessons that provide a review of the ethical dimensions of leadership, law in leadership, organizing for military operations to include historical case studies, personnel, supply and maintenance administration and management, personal financial planning and entering the service. The semester concludes with a 12-lesson experiential exercise simulating assignment as a new Lieutenant in a unit. Prerequisite: Required concurrent enrollment with MLS 412 and completion of all MLS 100-200-300 level courses and with instructor consent.

**Jewell Nonprofit Leadership Certificate Program**

The Jewell Nonprofit Leadership Certificate Program prepares and certifies students to serve their communities through careers in the nonprofit sector. This certificate program, which is based on competencies (and courses), is open to students from any major and complements the Pryor Leadership Studies Program, the Tucker Leadership Lab, and the curricular and co-curricular activities already in place at William Jewell.

The program benefits students by giving them targeted studies/experiences in the core competencies necessary for effective leadership in nonprofits. Students in the Jewell Nonprofit Leadership Certificate Program have numerous opportunities to interact with nonprofit leaders through their participation in workshops, conferences, and internships, with a highlight being the annual Philanthropy Midwest Conference. The Jewell Nonprofit Leadership Certificate Program creates career opportunities for both traditional and non-traditional students who graduate with a liberal arts education and a heart for service.

**Requirements for the Nonprofit Leadership Certificate:**

1. Complete at least 300 internship hours in a nonprofit agency.
2. Complete Nonprofit Leadership coursework.
3. Be actively involved in the Nonprofit Leadership Association and participate in nonprofit experiential learning opportunities such as
   - service projects
   - retreats
   - leadership roles in Nonprofit Leadership Association
   - Nonprofit Leader Speaker Series
   - Nonprofit Site Visits
   - Nonprofit Leadership Association Meetings
   - internships and career fairs
   - fundraising events
   - special events
4. Enroll in LSP261 Nonprofit Leadership Association for a minimum of three semesters prior to graduation.
5. Attend at least one Philanthropy Midwest Conference.
6. Complete the nonprofit leadership competency requirements.
7. Keep an updated online profile and portfolio.
8. Receive a grade of C- or higher in each course included in the program.
Business and Leadership
CONTINUED

**Required Courses**

- **LSP 261** Nonprofit Leadership Association (0.5)
  - LSP 261 must be taken a minimum of three times.
- **ACC 111** Fundamentals of Financial Accounting (4)
- **LSP 475** Nonprofit Leadership: Internship
- **LSP 490** Nonprofit Leadership Institute - PMC
- One of the following courses:
  - **COM 260** Organizational Communication (4)
  - **BUS 202** Principles of Management (4)
  - **BUS 305** Marketing Principles (4)
- One of the following courses:
  - **SVL 101** Meeting Human Needs and Alleviating Suffering (2)
  - **SVL 201** Strategies and Resources for Meeting Human Needs (2)
  - **PSY 305** Developmental Psychology: Childhood (2)
  - **PSY 306** Developmental Psychology: Adolescence (2)
- Two of the following courses:
  - **LSP 100** Intro to Philanthropy, Volunteerism and Nonprofit Sector (2)
  - **LSP 210** Nonprofit Leadership Special Topics (1)
  - **LSP 250** Leadership: Cornerstone Course (2)
  - **LSP 270** Nonprofit Governance & Volunteer Management (2)
  - **LSP 320** Nonprofit Board & Committee Development (2)

**Pryor Leadership Studies Program**

In order for William Jewell College to be the “Leadership College,” it must maintain an educational context that teaches personal, vocational, and civic leadership through critical reflection, mentoring, and experience. Toward that end, a leadership certificate pilot program was established in the fall of 1993 by the college in conjunction with the Pryor Foundation, headed by Fred Pryor and Shirley Pryor. In January 1998, the Leadership Studies Program was permanently endowed.

Students are chosen each spring semester through a competitive application/interview process. In order to graduate as Pryor Leadership Fellows and receive the corresponding leadership certificate, students must complete all required activities. A leadership portfolio is maintained on each Pryor Fellow. In order to receive the Pryor Leadership Certificate, the portfolio must be reviewed and approved by an evaluation committee comprised of the leadership studies director, faculty members, and representatives designated by the Pryor Foundation. At the request of the Pryor Foundation, this review process may also include exit interviews with students.

The portfolio will include the following:

1. Leadership Growth Plans
2. Outward Bound Journal and Summary Document
3. Internship Journals and Internship Exit Essays
4. Mentors’ Evaluations
5. Eight “Top Ten” Papers (lecture series)
6. Other items deemed appropriate by the director.

Each semester, the Pryor Leadership Fellows participate in the “Perspectives on the Common Good” Lecture Series. Fellows are required to attend a minimum of eight lectures in order to qualify for the Pryor Leadership certificate. A grade of C- or higher is required in each course in the program in order to earn the certificate.

**Required Courses**

- **LSP 250** Cornerstone Course (2)
- **LSP 251** Outward Bound (2)
- **LSP 300** Volunteer Internship (1)
- **LSP 301** Vocational Internship (1)
- **LSP 350** Capstone Course (2)

As a complement to the Pryor Leadership Studies Program (PLSP), the Tucker Leadership Lab (TLL) allows William Jewell College to offer high-quality leadership and team-building programs to William Jewell students, area high school students, and community groups. Constructed in the fall of 2000, the TLL, which began as a Leadership Legacy Project of students in the PLSP, is already one of the nation’s foremost experiential learning programs by design and size.
Goals for Student Learning

Graduates of William Jewell College with a major in chemistry
• are literate about chemistry;
• communicate with the scientific community;
• develop expertise in the methodologies of the laboratory;
• rediscover and develop innate intellectual curiosity;
• think critically as scientists;
• participate in the community of research and discovery;
• function in a community of learners;
• develop a basic understanding of chemical principles, facts, and concepts; and
• are exposed to ethical decision making.

The department offers two majors and one minor.

Students with a serious interest in the sciences, the health professions, or engineering will normally start the study of chemistry with either CHE 121 or CHE 122. Many students’ initial enrollment is in CHE 121, a spring-semester course, which assumes a minimal knowledge of chemistry. However, those who are highly motivated and who have a strong background in chemistry and mathematics are encouraged to consider beginning with CHE 122 in the fall semester since it makes the entry into higher-level courses more efficient.

THE MAJORS

CHEMISTRY

The chemistry major leads to a Bachelor of Arts (BA) degree. A grade of C- or higher is required in each course in the major. Students working toward a major in chemistry who transfer credit from other institutions must satisfactorily complete in residence a minimum of 12 hours of the required courses in chemistry numbered over 200. Courses in chemistry that are more than 10 years old will not normally be counted toward the major or minor. Any student majoring in chemistry must complete all requirements for the BA degree.

Students majoring in chemistry may receive certification to teach chemistry in grades 9-12 in the State of Missouri by majoring in both chemistry and secondary education. A certification program in chemistry has been approved by the Missouri Department of Elementary and Secondary Education. Procedures to be followed in obtaining teacher certification are included in the Student Handbook for Teacher Certification. Specific course requirements for all certification programs may be obtained from the Education Department.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>CHE 122</td>
<td>General Chemistry II (4) and Lab (1)</td>
</tr>
<tr>
<td>CHE 205</td>
<td>The Informed Chemist (1)</td>
</tr>
<tr>
<td>CHE 206</td>
<td>Analytical Chemistry (4) and Lab (1)</td>
</tr>
<tr>
<td>CHE 301</td>
<td>Organic Chemistry I (4) and Lab (1)</td>
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<tr>
<td>CHE 302</td>
<td>Organic Chemistry II (4) and Lab (1)</td>
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<tr>
<td>CHE 310</td>
<td>Chemical Research (1)</td>
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<tr>
<td>CHE 315</td>
<td>Chemical Research (1)</td>
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<tr>
<td>CHE 401</td>
<td>Physical Chemistry I (4) and Lab (1)</td>
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<tr>
<td>CHE 406</td>
<td>Instrumental Analysis (4) and Lab (1)</td>
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<tr>
<td>CHE 410</td>
<td>Chemical Research (1)</td>
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<tr>
<td>CHE 415</td>
<td>Chemical Research (1)</td>
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<tr>
<td>PHY 111 or 213</td>
<td>Physics I (4) and Lab (1)</td>
</tr>
<tr>
<td>PHY 112 or 213</td>
<td>Physics II (4) and Lab (1)</td>
</tr>
<tr>
<td>MAT 200</td>
<td>Calculus II (4) or a more advanced course in math.</td>
</tr>
</tbody>
</table>

Students are encouraged to consider taking additional courses in mathematics as well as BIO 233, Cell and Molecular Biology, and CHE 450, Biochemistry.
BIOCHEMISTRY

The biochemistry major, offered in conjunction with the Department of Biology, leads to a Bachelor of Arts (BA) degree. It is described in detail in its own section of the catalog.

THE MINOR

CHEMISTRY

The Department of Chemistry offers a minor in chemistry for those students who are interested in a foundation in chemistry but who are pursuing majors in other disciplines. Students working toward a minor in chemistry must satisfactorily complete a minimum of 9 hours in residence. Students who major in chemistry, biochemistry, or molecular biology are not eligible for a minor in chemistry. Courses in chemistry that are more than 10 years old will not normally be counted toward the minor. A grade of C- or higher is required in each course in the minor.

Required Courses

CHE 122 General Chemistry II (4) and Lab (1)
CHE 205 The Informed Chemist (1)
CHE 301 Organic Chemistry I (4) and Lab (1)
CHE 302 Organic Chemistry II (4) and Lab (1)
CHE 206 Analytical Chemistry (4) and Lab (1)
CHE 450 Biochemistry (4) and Lab (1)

Biochemistry (CHE 450 or BIO 450) cannot be used toward both the minor in chemistry and one of the upper-level requirements of the biology major.

Course Descriptions

Prior to 2010, most courses contained a combination of classroom and laboratory experiences. Laboratories are now separate courses with their own credit. Students should expect to be required to enroll simultaneously in both lecture and laboratory components of a particular course, unless permission to do otherwise has been granted by the instructor.

CHE 113 Fundamentals of General, Organic, and Biological Chemistry (5 cr. hrs.)
An introduction for the non-science major to the basic principles of chemistry will be accomplished in this course. Topics from general chemistry include scientific measurement, chemical nomenclature, atomic structure, chemical energy, stoichiometry, chemical bonding, solutions, acids and bases, and buffers. Special attention will be given to structures and reactions of organic compounds. Biochemistry will be introduced through the study of proteins, lipids, carbohydrates, nucleic acids, and metabolism. The course is designed for students who have little or no background in chemistry. CHE 113 is especially appropriate for students interested in allied-health fields, such as nursing. This course is not intended to serve as a prerequisite for CHE 121 or 122 or other courses in chemistry. Fall semester.

CHE 113L Fundamentals of General, Organic, & Biological Chemistry Lab (1 cr. hr.)

CHE 121 General Chemistry I (4 cr. hrs.)
Principles, concepts, and methods that are basic to the study of chemistry are introduced in this course. Typical topics include inorganic nomenclature; atomic structure; stoichiometry; gases, liquids, and solids; chemical energy; and solutions. Because many of the same topics are addressed in CHE 113 and CHE 121, students may not receive credit toward graduation for both courses. Spring semester.

CHE 121L General Chemistry I Laboratory (1 cr. hr.)

CHE 122 General Chemistry II (4 cr. hrs.)
This is a continuation of the introduction to chemistry that was begun in CHE 121 (or, for well-prepared students, in high school chemistry courses). Typical topics include kinetics; equilibrium; acids, bases, and buffers; electrochemistry; nuclear chemistry; organic chemistry; and biochemistry. Prerequisite: CHE 121 or permission of the department. Fall semester.

CHE 122L General Chemistry II Laboratory (1 cr. hr.)

>> www.jewell.edu/chemistry
CHE 205 The Informed Chemist (1 cr. hr.)
This course will begin with a discussion of ethical issues confronted by persons engaged in the chemical profession. Case studies will allow for an overview of the parameters involved in ethical decision-making. Students will also be introduced to the use of the chemical literature and techniques of technical writing, so that they are exposed to the various resources used by chemists to research a chemical topic. Students will complete several literature searching assignments using a variety of print and online resources and will visit Linda Hall Library. The course culminates in a final research report presented in a technical-report format. Prerequisite: CHE 122. Co-requisite: CHE 206. Spring semester.

CHE 206 Analytical Chemistry (3 cr. hrs.)
This course is a survey of the field of analytical chemistry. Topics covered include methods of classical quantitative analysis, instrumental methods of quantitative analysis, sample collection and treatment, statistical analysis of data, and the application of analytical methods to real-world problems. Prerequisite: CHE 122. Spring semester.

CHE 206L Analytical Chemistry Laboratory (2 cr. hrs.)
Laboratory exercises emphasize both development of technique and comparison of analytical methods.

CHE 210 Introduction to Chemical Research (0.5-1 cr. hrs.)
This course allows a student in chemistry or biochemistry to undertake an individual project in literature and/or laboratory research. Prior to enrollment, the student must select a topic and secure approval of the faculty member who will supervise the work on the project. This independent-study course should be employed as a supplement to and not a replacement for regular courses in chemistry or biochemistry. It may not be used as a vehicle for repeating work from another course in chemistry. A student may earn credit in CHE 210 twice, but will find an increased expectation for independence and for originality in the work during the second semester.

CHE 301 Organic Chemistry I (4 cr. hrs.)
This course in organic chemistry begins with atomic structure and builds through functional group chemistry. The interactions between structure, reactivity, and synthesis strategy are stressed. Typical topics include atomic and molecular structure; stereochemistry; reaction mechanisms; organic spectroscopy; and the chemistry of alkanes, alkenes, and alkynes. Prerequisite: a grade of C– or better in CHE 122; CHE 206 is also recommended. Fall semester.

CHE 301L Organic Chemistry I Laboratory (1 cr. hr.)

CHE 302 Organic Chemistry II (4 cr. hrs.)
The studies begun in CHE 301 continue in this course. Typical topics covered are the synthesis and reactions of aromatic compounds, alcohols, ethers, polymers, carbonyl compounds, and amines. An emphasis is placed on the functional groups involved in the chemistry of biological molecules. Prerequisite: a grade of C– or better in CHE 301. Spring semester.

CHE 302L Organic Chemistry II Laboratory (1 cr. hr.)

CHE 310, 315 Chemical Research (1-3 cr. hrs. each)
A four-course laboratory or library research project (CHE 310/315/410/415) is required for the biochemistry major and the chemistry major. CHE 310, the first course in this chemical research sequence, is normally taken in the first semester of the junior year. CHE 315 involves continued laboratory and/or library research that was begun in CHE 310. Prior to enrollment in these courses, the student must select a topic and secure approval of the faculty member who will supervise the work on the project. Prerequisite: Junior standing or consent of the department. CHE 310 is a prerequisite for CHE 315.

CHE 401 Physical Chemistry I (4 cr. hrs.)
Physical chemistry involves the study of the structures, physical properties, and interactions of individual molecules and collections of molecules. This first course includes introductions to thermodynamics and quantum mechanics as well as spectroscopy, electrolyte chemistry, and kinetics. Prerequisites: CHE 206 and MAT 200. Physics is strongly recommended. Spring semester.

CHE 401L Physical Chemistry I Laboratory (1 cr. hrs.)

CHE 404 Advanced Inorganic Chemistry (4 cr. hrs.)
This course is a study of the chemical elements with emphasis on structure, bonding, periodic trends, and concepts relating to mechanisms of inorganic reactions. These tools are used to interpret and systematize the concepts of inorganic chemistry. Prerequisites: CHE 206 and 301. Offered as faculty availability and student demand allow.

CHE 404L Advanced Inorganic Chemistry Laboratory (1 cr. hr.)
The laboratory course will complement the lecture through the preparation, analysis, and study of various inorganic compounds.
CHE 405 Senior Seminar (1 cr. hr.)
The goal of this course is to strengthen the student's ability to read, interpret, and discuss primary scientific articles. Students will be encouraged to examine articles involving the latest developments reported in the chemical literature. Each student will make a formal public presentation of the contents of an article from a journal. A student who matriculated at Jewell before Fall 2012 and who is involved in a research sequence may substitute CHE 410 or BIO 460 for this course in the requirements of the chemistry major. Prerequisite: Senior standing or permission of the instructor. Fall semester. This last offering of this course will be no later than Fall 2015.

CHE 406 Instrumental Analysis (3 cr. hrs.)
The course develops a basic understanding of the theory of instrumental analysis as well as demonstrates, via hands-on experience, the importance of instrumental methods to the modern chemist. A primary concern in the course is development and application of the fundamental principles of an instrumental method and its general theory. Students will not only learn the analytical application of instruments but will also use the instruments to collect significant chemical data. This latter feature of the course ensures that students acquire a sound knowledge of the chemical principles involved in the measurement and aids in selecting the most appropriate conditions for an analysis. Topics covered include computer interfacing and data analysis, spectroscopy, chromatography, and electrochemistry. Prerequisite: CHE 206. Fall semester of even-numbered years.

CHE 406L Instrumental Analysis Laboratory (2 cr. hrs.)

CHE 410, 415 Chemical Research (1-3 cr. hrs. each)
A four-course laboratory or library research project is required for the biochemistry major and is strongly encouraged for the chemistry major. CHE 410 involves continued laboratory and/or library research that was begun in CHE 310 and 315. CHE 415 is normally taken the second semester of the senior year. This sequence of courses will culminate in a presentation, both oral and written, of the results of the research project. Prior to enrollment in these courses, the student must select a topic and secure approval of the faculty member who will supervise the work on the project. CHE 315 is a prerequisite for CHE 410, and CHE 410 is a prerequisite for CHE 415.

CHE 450 Biochemistry (4 cr. hrs.)
This is a detailed course in biochemistry that includes a study of the occurrence, structure, function, and metabolism of biologically important molecules. There is an emphasis on molecular species such as carbohydrates, lipids, amino acids, proteins, and nucleic acids. The course includes work in the laboratory. Prerequisites: BIO 233 (or instructor's consent) and CHE 302 (or concurrent enrollment). Spring semester of even-numbered years. Also listed as BIO 450.

CHE 450L Biochemistry Laboratory (1 cr. hr.)
Also listed as BIO 450L.
Goals for Student Learning

The mission of the Communication and Theatre Department is to prepare students to be knowledgeable, versatile, and confident in responsibly meeting the complex communication challenges of a dynamic world. Graduates of the William Jewell College Department of Communication and Theatre should be able to

• excel in forms of verbal and nonverbal expression, demonstrating proficient delivery of well-written, purposefully crafted messages;
• critically analyze acts of individual expression and effectively respond to complex communication challenges; and
• demonstrate an understanding of relevant, discipline-based theories by engaging in independent, creative, and scholarly projects.

The department offers three majors and two minors. All three majors lead to a Bachelor of Arts (BA) degree: communication, theatre (with a choice of three emphases), and speech/theatre education. The department also offers two minors: one in communication and one in theatre. A grade of C- or higher is required in each course for a major or a minor. In those courses with prerequisites, a student must have completed the prerequisite with a C- or better before taking the requisite course. All communication and theatre majors must complete the college’s core curriculum requirements for the BA degree and have an advisor in the department.
THE MAJORS

COMMUNICATION

Communication majors are interested in the creation and reception of messages in a variety of contexts, often seeking careers in law, advertising, public relations, politics, media, or business.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 100</td>
<td>Fundamentals of Speech Communication</td>
<td>2</td>
</tr>
<tr>
<td>COM 110</td>
<td>Communication and Society</td>
<td>2</td>
</tr>
<tr>
<td>COM 210</td>
<td>Advanced Public Speaking</td>
<td>2</td>
</tr>
<tr>
<td>COM 215</td>
<td>Communication Theory</td>
<td>4</td>
</tr>
<tr>
<td>COM 368</td>
<td>Communication Research Methods</td>
<td>4</td>
</tr>
<tr>
<td>COM 400</td>
<td>Senior Seminar</td>
<td>2</td>
</tr>
<tr>
<td>COM 490</td>
<td>Internship</td>
<td>2</td>
</tr>
</tbody>
</table>

An additional 16 hours of Communication courses, with 8 of those at the 300 level or above

SPEECH/THEATRE EDUCATION

Students majoring in speech/theatre education may receive certification to teach in grades 9-12 in the State of Missouri by majoring in both speech/theatre education and secondary education. Procedures to be followed in obtaining teacher certification are included in the Student Handbook for Teacher Certification. Specific course requirements for all certification programs may be found on check sheets available in the education department office.

Required Courses

<table>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 100</td>
<td>Fundamentals of Speech</td>
<td>2</td>
</tr>
<tr>
<td>COM 110</td>
<td>Communication and Society</td>
<td>2</td>
</tr>
<tr>
<td>COM 209</td>
<td>Interpersonal Communication</td>
<td>4</td>
</tr>
<tr>
<td>COM 355</td>
<td>Small Group Communication</td>
<td>4</td>
</tr>
<tr>
<td>COM 215</td>
<td>Communication Theory</td>
<td>4</td>
</tr>
<tr>
<td>COM 323</td>
<td>Argumentation and Debate</td>
<td>4</td>
</tr>
<tr>
<td>COM 333</td>
<td>Media Reporting and Writing</td>
<td>4</td>
</tr>
<tr>
<td>THE 210</td>
<td>Stagecraft: Fundamentals</td>
<td>2</td>
</tr>
<tr>
<td>THE 211</td>
<td>Stagecraft: Audience Management</td>
<td>0.5</td>
</tr>
<tr>
<td>THE 212</td>
<td>Stagecraft: Sound</td>
<td>0.5</td>
</tr>
<tr>
<td>THE 213</td>
<td>Stagecraft: Properties</td>
<td>1</td>
</tr>
<tr>
<td>THE 214</td>
<td>Stagecraft: Costuming</td>
<td>1</td>
</tr>
<tr>
<td>THE 215</td>
<td>Stagecraft: Scenery</td>
<td>1</td>
</tr>
<tr>
<td>THE 216</td>
<td>Stagecraft: Lighting</td>
<td>1</td>
</tr>
<tr>
<td>THE 220</td>
<td>Acting/Directing: Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>THE 221</td>
<td>Acting/Directing: Movement/Voice</td>
<td>4</td>
</tr>
<tr>
<td>THE 310</td>
<td>Stage Management Practicum</td>
<td>1</td>
</tr>
</tbody>
</table>

One other course chosen from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 220</td>
<td>Acting/Directing: Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>THE 221</td>
<td>Acting/Directing: Movement/Voice</td>
<td>4</td>
</tr>
<tr>
<td>THE 320</td>
<td>Acting/Directing: Naturalism, Expressionism, and Modern Style</td>
<td>4</td>
</tr>
<tr>
<td>THE 321</td>
<td>Acting/Directing: Classically</td>
<td>4</td>
</tr>
<tr>
<td>THE 322</td>
<td>Acting/Directing: Performers and Audiences</td>
<td>4</td>
</tr>
<tr>
<td>THE 323</td>
<td>Acting/Directing: Performers and Authors</td>
<td>4</td>
</tr>
<tr>
<td>THE 324</td>
<td>Acting/Directing: Outreach</td>
<td>4</td>
</tr>
<tr>
<td>THE 325</td>
<td>Acting/Directing: Activism</td>
<td>4</td>
</tr>
<tr>
<td>THE 439</td>
<td>Senior Theatre Performance</td>
<td>4</td>
</tr>
</tbody>
</table>

Four additional hours in Theatre

THEATRE

Theatre majors are those who have determined to follow a theatre career professionally or who plan to continue their studies in graduate school. Theatre provides an integrated curriculum in which students learn to synthesize information from the various corners of theatre and to collaborate with personnel from all walks of theatre life. The unique synthesis of courses in the major, the college's core curriculum and electives combine to give students the opportunity to leave the college well rounded and ready for a profession that requires of its practitioners the abilities to think creatively and to synthesize material in highly sophisticated ways.

Theatre majors pursue one of three tracks: Performance, Design and Production, or Generalist. A student may pursue no more than one track.
Communication and Theatre

CONTINUED

Required Courses

All theatre majors are required to take the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 100</td>
<td>Fundamentals of Speech Communication</td>
<td>(2)</td>
</tr>
<tr>
<td>COM 110</td>
<td>Communication in Society</td>
<td>(2)</td>
</tr>
<tr>
<td>COM 490</td>
<td>Communication Internship</td>
<td>(2)</td>
</tr>
<tr>
<td>THE 210</td>
<td>Stagecraft: Fundamentals</td>
<td>(2)</td>
</tr>
<tr>
<td>THE 220</td>
<td>Acting/Directing: Fundamentals</td>
<td>(4)</td>
</tr>
<tr>
<td></td>
<td>or THE 221 Acting/Directing: Movement/Voice</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 439</td>
<td>Senior Theatre Performance</td>
<td>(4)</td>
</tr>
</tbody>
</table>

The remaining requirements depend on the area of emphasis chosen by the student.

Students in the Performance track are also required to take the following courses:

Two of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 213</td>
<td>Stagecraft: Properties</td>
<td>(1)</td>
</tr>
<tr>
<td>THE 214</td>
<td>Stagecraft: Costuming</td>
<td>(1)</td>
</tr>
<tr>
<td>THE 215</td>
<td>Stagecraft: Scenery</td>
<td>(1)</td>
</tr>
<tr>
<td>THE 216</td>
<td>Stagecraft: Lighting</td>
<td>(1)</td>
</tr>
</tbody>
</table>

One course chosen from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 312</td>
<td>Scenery and Props</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 313</td>
<td>Costumes and Makeup</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 314</td>
<td>Lighting and Sound</td>
<td>(4)</td>
</tr>
</tbody>
</table>

Five other courses chosen from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 220</td>
<td>Acting/Directing: Fundamentals</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 221</td>
<td>Acting/Directing: Movement/Voice</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 320</td>
<td>Acting/Directing: Naturalism, Expressionism, and Modern Style</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 321</td>
<td>Acting/Directing: Classically</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 322</td>
<td>Acting/Directing: Performers and Audiences</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 323</td>
<td>Acting/Directing: Performers and Authors</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 324</td>
<td>Acting/Directing: Outreach</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 325</td>
<td>Acting/Directing: Activism</td>
<td>(4)</td>
</tr>
</tbody>
</table>

Four additional hours in Theatre

Students in the Design & Production track are also required to take the following courses:

Two of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 211</td>
<td>Stagecraft: Audience Management</td>
<td>(0.5)</td>
</tr>
<tr>
<td>THE 212</td>
<td>Stagecraft: Sound</td>
<td>(0.5)</td>
</tr>
<tr>
<td>THE 213</td>
<td>Stagecraft: Properties</td>
<td>(1)</td>
</tr>
<tr>
<td>THE 214</td>
<td>Stagecraft: Costuming</td>
<td>(1)</td>
</tr>
<tr>
<td>THE 215</td>
<td>Stagecraft: Scenery</td>
<td>(1)</td>
</tr>
<tr>
<td>THE 216</td>
<td>Stagecraft: Lighting</td>
<td>(1)</td>
</tr>
<tr>
<td>THE 310</td>
<td>Stage Management Practicum</td>
<td>(1)</td>
</tr>
<tr>
<td>THE 312</td>
<td>Scenery and Props</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 313</td>
<td>Costumes and Makeup</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 314</td>
<td>Lighting and Sound</td>
<td>(4)</td>
</tr>
</tbody>
</table>

Two courses chosen from the following list:

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<th>Title</th>
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</thead>
<tbody>
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</tr>
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</tr>
<tr>
<td>THE 314</td>
<td>Lighting and Sound</td>
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Two other courses chosen from the following list:

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<td>THE 324</td>
<td>Acting/Directing: Outreach</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 325</td>
<td>Acting/Directing: Activism</td>
<td>(4)</td>
</tr>
</tbody>
</table>

Four additional hours in Theatre

Students in the Generalist track are also required to take the following courses:

Two of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 213</td>
<td>Stagecraft: Properties</td>
<td>(1)</td>
</tr>
<tr>
<td>THE 214</td>
<td>Stagecraft: Costuming</td>
<td>(1)</td>
</tr>
<tr>
<td>THE 215</td>
<td>Stagecraft: Scenery</td>
<td>(1)</td>
</tr>
<tr>
<td>THE 216</td>
<td>Stagecraft: Lighting</td>
<td>(1)</td>
</tr>
</tbody>
</table>

Two courses chosen from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
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<td>THE 313</td>
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<td>(4)</td>
</tr>
<tr>
<td>THE 314</td>
<td>Lighting and Sound</td>
<td>(4)</td>
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</tbody>
</table>

Two other courses chosen from the following list:

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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Acting/Directing: Fundamentals</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 221</td>
<td>Acting/Directing: Movement/Voice</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 320</td>
<td>Acting/Directing: Naturalism, Expressionism, and Modern Style</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 321</td>
<td>Acting/Directing: Classically</td>
<td>(4)</td>
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<td>Acting/Directing: Performers and Audiences</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 323</td>
<td>Acting/Directing: Performers and Authors</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 324</td>
<td>Acting/Directing: Outreach</td>
<td>(4)</td>
</tr>
<tr>
<td>THE 325</td>
<td>Acting/Directing: Activism</td>
<td>(4)</td>
</tr>
</tbody>
</table>

Twelve additional hours in Theatre
THE MINORS

COMMUNICATION

Required Courses

COM 100 Fundamentals of Speech Communication (2)
COM 110 Communication in Society (2)
COM 215 Communication Theory (4)
    or COM 219 Introduction to Rhetorical Theory (4)
Eight hours from two additional COM courses, one of which must be at the 300-level or above

THEATRE

Required Courses

The minor in theatre provides the student majoring in another discipline the opportunity to have a complementary focus in theatre. A student majoring in Theatre may not minor in Theatre. The courses required for the Theatre minor are as follows:

THE 210 Stagecraft: Fundamentals (2)
THE 220 Acting/Directing: Fundamentals (4)
    or THE 221 Acting/Directing: Movement/Voice (4)
Two hours of credit chosen from the following Stagecraft courses:

THE 211 Stagecraft: Audience Management (0.5)
THE 212 Stagecraft: Sound (0.5)
THE 213 Stagecraft: Properties (1)
THE 214 Stagecraft: Costuming (1)
THE 215 Stagecraft: Scenery (1)
THE 216 Stagecraft: Lighting (1)

One course chosen from the following list:

THE 312 Scenery and Props (4)
THE 313 Costumes and Makeup (4)
THE 314 Lighting and Sound (4)

One other course chosen from the following list:

THE 320 Acting/Directing: Naturalism, Expressionism, and Modern Style (4)
THE 321 Acting/Directing: Classically (4)
THE 322 Acting/Directing: Performers and Audiences (4)
THE 323 Acting/Directing: Performers and Authors (4)
THE 324 Acting/Directing: Outreach (4)
THE 325 Acting/Directing: Activism (4)

Six additional hours in Theatre

Course Descriptions

COMMUNICATION

COM 100 Fundamentals of Speech Communication (2 cr. hrs.)
A study of speech communication theory and practice. The practice and presentation of various forms of speech communication activities.

COM 110 Communication and Society (2 cr. hrs.)
An introductory course in the study of human communication. It examines relevant concepts and theories on the creation, delivery, and reception of communication messages in various communication contexts, with a focus on the importance of communication to society.

COM 200 Interpersonal Communication (4 cr. hrs.)
Designed to guide students into an understanding of interpersonal communication and theory so they can function effectively in interactions with others. Students gain experience and understanding in areas such as self-concept, listening, and conflict resolution. Discussion, small group activities, and skill improvement projects allow the student to monitor individual growth.

COM 210 Advanced Public Speaking (2 cr. hrs.)
A course in advanced public speaking preparation and practice, with a focus on the learning and application of all factors used to evaluate Standard American English. Students will be required to complete several oral presentations to help improve their public speaking skills. Prerequisite: COM 100.

COM 215 Communication Theory (4 cr. hrs.)
A survey course designed to introduce the student to communication theory, models, and contexts. The course includes both the historical foundation of the field and contemporary theories.

COM 219 Introduction to Rhetorical Theory (4 cr. hrs.)
An introductory course covering the fundamentals of rhetorical studies, including rhetorical theory, methodology, and criticism. The course includes readings in both historical and contemporary rhetorical studies.

COM 260 Organizational Communication (4 cr. hrs.)
Examines the role of formal and informal communication between organization members and representatives of different organizations. Emphasizes the relationships between organizational life and communication principles as they interact in the larger environment.

>> www.jewell.edu/communicationandtheatre
COM 308 Political Communication (4 cr. hrs.)
This course will survey the major institutions of political communication in the United States. Areas of study include campaign advertising and the development of sound bite politics, government-press relations, the impact of the media on agenda-setting and the policy process, the corporate structure of the mass media and its political consequences, the role of symbols in political discourse, and the manipulation of cultural icons. This course is cross-listed as POL 308 (4 cr. hrs.).

COM 312 Theory and Practice of Persuasion (4 cr. hrs.)
An examination of the theory and practice of persuasion in a variety of contexts, including public speaking, advertising, political campaigns, and workplace communication. Students will gain experience in creating and analyzing persuasive messages. Prerequisite: COM 215.

COM 323 Fundamentals of Argumentation and Debate (4 cr. hrs.)
Fundamentals of competitive debate, analysis, research, and use of reasoning. Designed for the student who has no background in debate. Students with extensive debate background should speak with the instructor prior to enrolling. Prerequisite: COM 100 or permission of instructor.

COM 333 Media Reporting and Writing (4 cr. hrs.)
Techniques of media writing, with an emphasis on general reporting, features, news releases, and broadcast copy. Study of problems in copy editing, layout, and writing for different types of media.

COM 344 Principles of Integrated Communication (4 cr. hrs.)
Study of the means by which traditional boundaries between internal communication, publicity, advertising, public relations, and marketing merge in concept and practice. Students will focus on coordinating an organization's entire communication strategy to convey a consistent message to target audiences.

COM 350 Public Relations (4 cr. hrs.)
Examines the theories and methods of public relations in the modern organization. Students will develop the analytical skills necessary to identify and solve public relations problems while increasing their understanding of the legal and ethical constraints upon the public relations professional.

COM 355 Small Group Communication (4 cr. hrs.)
Designed to guide students into an understanding of small group communication processes and theories so they can function effectively in small groups. The students will be able to put theory into practice during their small group interaction throughout the semester. Discussion, small group activities, and projects allow students to monitor individual growth as group members and potential leaders.

COM 358 Cultural Communication (4 cr. hrs.)
A survey course designed to introduce students to such concepts as cultural differences, cultural belief systems, culture shock and acculturation, language of culture, and multicultural nonverbal messages.

COM 368 Communication Research Methods (4 cr. hrs.)
An introduction to communication research methods. Includes an advanced examination of communication theory. Students should complete this course the semester prior to enrolling in COM 400. Prerequisite: COM 215.

COM 380 History and Criticism of American Public Address (4 cr. hrs.)
Historical and critical study of significant American speakers, with analysis of structure, content, and influence of their works. Prerequisite: at least sophomore standing.

COM 381 Communication Seminar (4 cr. hrs.)
Topics to be announced in special interest areas prior to registration. Students may take more than one communication seminar as long as they do not repeat a topic.

Communication and Theatre Activities (0.5-4 cr. hrs.)
Proposed for special activities. Credit may be obtained in debate, theatre, performance studies, radio, television, and writing, in addition to credit in regular courses. Activities and requirements must be planned in advance with the supervising staff member. Credit available each semester. One half credit hour is awarded for every four hours of activity per week, one credit hour for eight hours of activity per week, etc. COM 390, Teaching Assistant, is variable credit of 1-2 credit hours as determined by the instructor. All communication activities courses require the consent of the instructor. A cumulative total of four (4) credit hours from these courses may be applied toward graduation.

COM 390 Teaching Assistant
COM 391 Performance Studies Activity
COM 392 Debate Activity
COM 393 Journalism Activity
COM 394 Broadcasting Activity
THE 397 Theatre Activity

COM 400 Senior Seminar (2 cr. hrs.)
The capstone research course in the communication core. Students will research, write, and publicly present a paper of journal or convention presentation quality. Prerequisites: COM 215, 368.
COM 490 Communication Internship (2-6 cr. hrs.)
The internship is designed to help students make the transition from formal academic study to actual workplace situations. The intent is to match students’ career goals with an appropriate cooperating organization in order to provide increased learning opportunities for students, who also benefit by being able to include the internship experience in their credentials. Prerequisites: Consent of the Department of Communication and Theatre Director of Interns; 12 hours of communication courses as determined by the Director of Interns. Interested students should obtain a copy of the Department Internship Guidelines from the Director of Interns the semester before an internship is planned in order to meet the guidelines in a timely fashion.

COM 499 Independent Study (1-4 cr. hrs.)
Special creative project or investigative study designed by student(s) and approved by individual faculty. Credit for graduation with Honors/Achievement may be given with COM 499.

THEATRE

THE 210 Stagecraft: Fundamentals (2 cr. hrs.)
This course will introduce students to the fundamental practices of stagecraft work onstage and backstage. Topics covered will be the safe use of tools and stage equipment, basic scenery, props, and costume construction techniques, basic lighting hang and focus and sound practices, and publicity and marketing methods.

Stagecraft Practica: THE 211-216 and 310
Through consultation with the professor and peer mentoring, students will be introduced to techniques utilized to produce the technical needs of a live theatre performance. Students also will be required to staff the area or operate the control board associated with the registered course during a production of the regular theatre season. Except under rare circumstances, students may sign up for no more than two stagecraft practica sections per semester. Students must complete all six tasks before advancing to THE 310 Stage Management course. Enrollment upon consent of the instructor. Prerequisite: THE 210. THE 211 or THE 212 may be taken concurrently with THE 210.

THE 211 Stagecraft: Audience Management (0.5 cr. hr.)
Duties related to audience relations including publicity and house management responsibilities.

THE 212 Stagecraft: Sound (0.5 cr. hr.)
Setting and patching sound equipment and operation of the sound system for a production.

THE 213 Stagecraft: Properties (1 cr. hr.)
Collecting or creating the stage properties needed in a production. May include prop running duties backstage.

THE 214 Stagecraft: Costuming (1 cr. hr.)
Constructing, altering or finding clothing and accessories for a production. May include wardrobe duties backstage.

THE 215 Stagecraft: Scenery (1 cr. hr.)
Constructing or altering scenic elements for a production. May include set running duties backstage.

THE 216 Stagecraft: Lighting (1 cr. hr.)
Hanging and focusing lighting equipment and light board operation for a production.

Acting/Directing Courses: THE 220, 221, and 320-325
The Acting/Directing courses unpack the sometimes mystifying processes of acting and of directing actors. In each course the student examines a particular way to unlock acting/directing processes through readings, acting exercises, and performance.

THE 220 Acting/Directing: Fundamentals (4 cr. hrs.)
The actor/director seeks to re-discover the spark that ignites humans’ desire to perform for each other.

THE 221 Acting/Directing: Movement/Voice (4 cr. hrs.)
The actor/director begins to search out the immense variety of ways the body can move and the voice can manipulate sound to communicate text.

THE 310 Stage Management Practicum (1 cr. hr.)
Students will assist the director in rehearsals, assist the technical director with the coordination of technical elements and their integration into the production, and manage the run of a production on the regular Jewell Theatre season. Prerequisite: THE 211-216.

Design and Production Courses: THE 312-314
The three Design and Production courses will cover materials concerning the design and construction of technical elements of a theatrical performance. Students will learn design theories, study works by historic and current designers, create and execute their own designs and learn how to prepare presentations of designs. Students will write essays and reports on designers, new technologies and live theatre performances. For each course portfolios of all work will be created.

THE 312 Design and Production: Scenery & Props (4 cr. hrs.)
Students will research and create prop lists, draw up ground plans and elevations, and build a fully rendered scale model of their designs. Construction of basic scenic elements also will be assigned.
THE 313 Design and Production: Costumes & Makeup (4 cr. hrs.)
Students will research and create costume lists, costume and makeup plots, and fully rendered costume design plates. Basic costume construction techniques will be covered and a garment will be built by each student. Students will also apply makeup to themselves and another person and document the process with photos.

THE 314 Design and Production: Lighting & Sound (4 cr. hrs.)
Students will research and create lighting and sound plots, edit and mix sound elements, select color and pattern media and figure cues sheets. Hang and focus of a basic design will be assigned.

THE 315 Theatre Topics (4 cr. hrs.)
Theatre Topics is offered periodically, the subject being the instructor’s choice. Subjects not covered in the regular theatre courses and new developments are the typical focus of the class.

THE 320 Acting/Directing: Naturalism, Expressionism, and Modern Style (4 cr. hrs.)
The actor/director explores the seemingly simple process of directly mirroring the everyday.

THE 321 Acting/Directing: Classically (4 cr. hrs.)
The actor/director takes on the task of conveying through voice and body plays that contain elevated text and extraordinary plotlines.

THE 322 Acting/Directing: Performers and Audiences (4 cr. hrs.)
The actor/director dissects adapting to audiences who are close, distant, culturally varied, and expectant differently.

THE 323 Acting/Directing: Performers and Authors (4 cr. hrs.)
The actor/director puzzles out interpreting texts of authors who envision the world through a kaleidoscopic lens.

THE 324 Acting/Directing: Outreach (4 cr. hrs.)
The actor/director analyzes how to use dramatic texts in settings where people need encouragement, transformation, healing, and enlightenment.

THE 325 Acting/Directing: Activism (4 cr. hrs.)
The actor/director delves into how theatre can be used to create change in the world sociologically, politically, culturally, and educationally.

THE 397 Theatre Activity (0.5 – 4 cr. hrs.)
See the listing under Communication.

THE 439 Senior Theatre Performance (4 cr. hrs.)
A capstone theatre performance in which the student artist directs, technically designs, and acts a major role in the theatrical production of a full-length play. The student also presents a professional portfolio from the student’s undergraduate career. The course is usually taken in the senior year. Prerequisites: Complete all theatre course work; acting in a major fall or major spring production; successful completion of year-end performance reviews; permission of instructor.
Goals for Student Learning

The mission of the Department of Education is to produce intentional, professional teachers. Graduates of the teacher education program

- possess strong content knowledge and the ability and inclination to continue to acquire knowledge;
- are effective at producing student achievement;
- actively value human diversity;
- are technologically proficient;
- research, analyze, synthesize, and evaluate new information/points of view/instructional practices;
- practice and acquire new skills;
- use their knowledge and skills to teach effectively;
- engage in reasoned teaching practice: to reflect on, and improve their own practice and the schooling system for the benefit of K-12 students; and
- advance equity and justice.

Teacher education is a professional program of study that leads to teacher certification and acquisition of the skills and knowledge required for intentional, effective teaching. Teachers prepared at William Jewell College view teaching as a moral activity that requires reasoned teaching practice including reflection about multiple factors that influence the learning of K-12 students. To produce effective, intentional teachers, the Department of Education collaborates with other academic departments in the college and schools in the community to provide an integrated sequence of high-quality courses and developmental fieldwork experiences in, K-12 schools. William Jewell teacher education programs have been approved by the Missouri State Board of Education in the following fields:

Art K-12
Biology 9-12
Chemistry 9-12
Elementary 1-6
English 9-12
French K-12
Instrumental Music K-12
Mathematics 9-12
Physics 9-12
Physical Education 9-12
Social Studies 9-12
Spanish K-12
Speech/Theatre 9-12
Vocal Music K-12

Successful completion of any of these programs of study leads to Missouri teacher certification in that field/grade level and a Bachelor of Arts or Bachelor of Science degree. Elementary teacher education requires completion of the elementary education major plus a 20-hour area of concentration or minor in a subject area applicable to the elementary school curriculum. Secondary and K-12 teacher education majors must complete a primary major in the content field in which they intend to teach and a second major in secondary education. Students who wish to pursue more than one field or grade level of teacher certification must consult an Education advisor early in their program and should understand this will increase the length of their program of study.

Because teacher education is a professional program of study there are many policies and procedures with which students must comply. The Student Handbook for Teacher Education which contains those policies and procedures can be found on the Department of Education’s website. State teacher certification requirements change frequently and the Student Handbook contains the most current, accurate information about requirements. Due to the frequent changes in the profession, all education courses must be taken within seven years prior to applying for teacher certification. In addition, courses in education that are more than seven years old will not normally count toward a major. Specific “Requirements for Initial Undergraduate Certification” check sheets are available in the Education Department.
THE MAJORS

ELEMENTARY EDUCATION (1-6)

Required Courses

CTI/EDU 284 School and Society in the United States (4)
EDU 204 Elementary Methods for Teaching Art, Music, and PE (1)
EDU 212 Clinical Fieldwork: Suburban (1)
EDU 212 must be taken twice, once each in two different semesters
EDU 215 Information Technology (2)
EDU 216 Psychology of Development, Teaching, and Learning (4)
EDU 234 Psychology and Education of the Exceptional Child I (3)
EDU 250 Teaching Communication Arts: Writing, Listening, Speaking (3)
EDU 260 Elementary Math Content and Methods (3)
EDU 275 Instructional Design and Assessment (3)
EDU 299 Methods of Teaching Communication Arts: Reading (3)
EDU 303 Diagnosis and Correction of Communication Problems (3)
EDU 309 Content/Methods of Teaching Math in Elementary School (3)
EDU 311 Clinical Field Experience: Urban (1)
EDU 312 Methods of Teaching Elementary Science (2)
EDU 313 Methods of Teaching Elementary Social Studies (2)
EDU 314 Methods of Teaching an Integrated Curriculum (2)
EDU 315 Clinical Fieldwork: Rural (1)
EDU 375 Differentiated Instruction (3)
EDU 399 Pre-Student Teaching Fieldwork (0.5)
EDU 401 Reflective Teaching Seminar (2)
EDU 405 Classroom Management (2)
EDU 410 Student Teaching for Elementary School Teachers (10)

EDU 204 Elementary Methods for Teaching Art, Music, and PE (1)
EDU 212 Clinical Fieldwork: Suburban (1)
EDU 212 must be taken twice, once each in two different semesters
EDU 215 Information Technology (2)
EDU 216 Psychology of Development, Teaching, and Learning (4)
EDU 234 Psychology and Education of the Exceptional Child I (3)
EDU 250 Teaching Communication Arts: Writing, Listening, Speaking (3)
EDU 260 Elementary Math Content and Methods (3)
EDU 275 Instructional Design and Assessment (3)
EDU 299 Methods of Teaching Communication Arts: Reading (3)
EDU 303 Diagnosis and Correction of Communication Problems (3)
EDU 309 Content/Methods of Teaching Math in Elementary School (3)
EDU 311 Clinical Field Experience: Urban (1)
EDU 312 Methods of Teaching Elementary Science (2)
EDU 313 Methods of Teaching Elementary Social Studies (2)
EDU 314 Methods of Teaching an Integrated Curriculum (2)
EDU 315 Clinical Fieldwork: Rural (1)
EDU 375 Differentiated Instruction (3)
EDU 399 Pre-Student Teaching Fieldwork (0.5)
EDU 401 Reflective Teaching Seminar (2)
EDU 405 Classroom Management (2)
EDU 410 Student Teaching for Elementary School Teachers (10)

Additional specific course requirements from other disciplines including “General and Elementary Content Knowledge” and “Area of Concentration” detailed in the elementary education scope and sequence (see Handbook), are certification requirements.

SECONDARY (OR K-12) EDUCATION

Required Courses

CTI/EDU 284 School and Society in the United States (4)
EDU 212 Clinical Fieldwork: Suburban (1)
EDU 212 must be taken twice, once each in two different semesters
EDU 215 Information Technology (2)
EDU 216 Psychology of Development, Teaching, and Learning (4)
EDU 234 Psychology and Education of the Exceptional Child I (3)
EDU 275 Instructional Design and Assessment (3)
EDU 307 Teaching of Reading in the Content Areas (2)
EDU 311 Clinical Field Work: Urban (1)
EDU 315 Clinical Field Work: Rural (1)
EDU 375 Differentiated Instruction (3)
EDU 399 Pre-Student Teaching Fieldwork (0.5)
EDU 401 Reflective Teaching Seminar (2)
EDU 405 Classroom Management (2)
EDU 424 Student Teaching in Secondary School (10)
EDU 425 Student Teaching in Grades K-12 (10)

The appropriate 300-level course in teaching methods in the content area (3)
EDU 401 Reflective Teaching Seminar (2)
EDU 405 Classroom Management (2)
EDU 424 Student Teaching in Secondary School (10)
EDU 425 Student Teaching in Grades K-12 (10)

Additional specific course requirements from other disciplines including “General Requirements for Secondary Education Programs” and a major in the subject area the student desires to teach (including specific content courses), are required for certification; see list of approved majors above and in the Handbook.

NOTE: Social studies teacher certification requires study across all social studies disciplines. Because 20 credit hours of history are required by Missouri for social studies certification, a history major is the most efficient route. A student may major in another social studies field, but that choice will significantly lengthen the student’s program of study.

>> www.jewell.edu/education
PURSUING A TEACHER EDUCATION PROGRAM

Because of the two layers of requirements (degree and teacher certification), the Department of Education asks prospective students to contact them as soon as possible so that they can get timely, accurate advising. As soon as a student decides to pursue teacher certification, the student should declare an education major and request an education advisor. Any student can declare the major at any time but, in order to enroll in upper division education coursework, the student must first be admitted to the teacher education program.

Admission to Teacher Education Programs

Because teacher certification is regulated by the state, teacher education students must apply for admission to a teacher education program in addition to declaring a major. Teacher education students should apply no later than the second semester of their sophomore year. If students are not admitted to teacher education by the end of the second semester of their sophomore year, they will be unable to complete teacher education within a four-year degree program. Application forms for admission to a teacher education program may be obtained in the Education Department Office, Marston Hall 110. At application the teacher education student must meet multiple standards for admission including grade point average requirements, a qualifying score on the CBASE, and positive recommendations from faculty and field experiences. Further information on the application/admission process and specific requirements can be found in the Student Handbook. Teacher education majors may not enroll in 300-level education coursework until they are admitted to teacher education.

Transfer Students/Change of Major

Because teacher education is a professional program, education majors are governed by Missouri teacher education program approval requirements (in addition to William Jewell College requirements and our department policies). This means that there are program requirements beyond what most college majors are required to meet. Students changing majors or transfer students planning to pursue teacher education should declare an education major and see an education advisor immediately. In general, those students who transfer into or change their major to teacher education will need at least one additional semester beyond a traditional course of study to complete teacher education.

The following education courses will transfer to the William Jewell College teacher education program if completed with a grade of "C" or better:

For Secondary Education:

- EDU 212 Suburban School Fieldwork (40+ contact hours)
- EDU 215 Information Technology
- EDU 216 Psychology of Development, Teaching, and Learning (transfer course work must include child development, techniques of teaching, and educational psychology)
- EDU 234 Education and Psychology of the Exceptional Child

For Elementary Education:

The four courses listed above will also transfer in for elementary education plus the following:

- EDU 204 Elementary Methods for Teaching Art, Music, PE

Other courses might be accepted on a case-by-case basis. Decisions about other courses will be made in such a way that upholds the integrity, quality, and rigor of a William Jewell College teacher education program. Special consideration will be given to students who have completed an AAT at a Missouri community college.

GENERAL REQUIREMENTS FOR ALL TEACHER CERTIFICATION PROGRAMS

All teacher education students must meet the requirements of the William Jewell College Core Curriculum. In addition, please note the following certification requirements:

U.S. Diversity: Education students are required to complete a U.S. diversity course [CTI 200 United States Pluralism (4) or CTI 206 The Chicano Experience (4); ENG 355 Studies in African-American Literature (4); or COM 358 Cultural Communication (4)].

Additional Content Courses: Elementary education students (1-6) are required to complete one additional course in each of the following content fields: science (e.g., SCI 101 with laboratory), art or music, health (e.g., PED 250 - Health Science), geography, and economics. (GEO 304 meets both of the last two requirements.)
Writing Standard: All teacher education students must demonstrate competence in English composition. The student must successfully complete CTI 102 Written Communication or the equivalent. If a student does not demonstrate writing competence, the instructor will require the student to seek services from the Writing Center and file a Care Team form (see Handbook), and the student will be counseled.

Oral Communication Standard: All teacher education students must demonstrate oral communication competence. This requirement can be met either through successful completion of COM 100 Fundamentals of Speech Communication (2) or through the competency demonstration process in the Department of Education. Each student must continue to exhibit strong oral presentation skills in education course work. If a student does not demonstrate such skills, the instructor will file a Care Team form, and the student will be counseled.

Numeracy Standard: All teacher education students must demonstrate basic mathematical competence. In addition to successful completion of CTI 103, Math Model Building (4), or the equivalent, the student must continue to exhibit knowledge and accurate use of mathematics in education course work. If a student does not demonstrate those skills, the instructor will file a Care Team form, and the student will be counseled.

ADVISING FOR ELEMENTARY AND SECONDARY TEACHER EDUCATION STUDENTS

All elementary teacher education majors must be advised by an elementary education advisor once each semester. K-12 and secondary (9-12) teacher education majors must be double majors and MUST be advised by both content area and education advisors each semester. Entering education students should enroll in 200-level courses as soon as is practicable. Teacher education students may not enroll for 300-level education courses until they are admitted to a teacher education program. Teacher education students should take the CBASE test during the second semester of the first year or the fall semester of the sophomore year. Registration for that test is done in the Education Office.

STUDENT TEACHING

Formal admission to the teacher education program is a prerequisite to applying for student teaching. Students must submit the Application for Student Teaching form by September 15 for student teaching in the following academic year. As part of the admission process, student teacher applicants must undergo an FBI background check, for which there is a fee. Student teacher applicants will receive instructions about how and when to have the background check done as part of the admission process. The criteria for admission to student teaching are stated in the Handbook. Student teaching application forms are available in the Education Department office. Transfer students seeking teacher certification in secondary education and who have completed their major at an institution other than Jewell must pass the Praxis II (a national teacher exam) before they will be considered for student teaching. A student must be approved for student teaching before enrolling in any of the following courses:

- EDU 401 Reflective Teaching Seminar (2)
- EDU 410 Student Teaching for Elementary School Teachers (10)
- EDU 424 Student Teaching in Secondary School (10)
- EDU 425 Student Teaching in Grades K-12 (10)

Students must successfully complete a professional Teacher Work Sample/portfolio before receiving a grade in student teaching.

APPLICATION FOR MISSOURI TEACHER CERTIFICATION

Upon completion of a teacher education program, students must complete the official Application for Missouri Teachers Certificate form on the Missouri Department of Elementary and Secondary Education website during the last semester of their teacher education program. Students must also provide official transcripts from all colleges that they have attended, as well as evidence of a passing score on the required teaching specialty test of the Praxis II (a national teacher examination) appropriate to their teaching field. In addition, the State of Missouri requires an FBI background check. One of these screenings will be done prior to student teaching, but these background checks are only valid for one year, so the student may have to submit another background check at application for teacher certification.

TEST INFORMATION: CBASE AND PRAXIS II

The CBASE is an entry test required for all entering undergraduate teacher education students. PRAXIS II is a series of exit tests for teacher candidates required by the State of Missouri. Information regarding test scheduling, test titles, and minimum passing scores is available from the Jewell Teacher Certification Officer or on the Missouri Department of Elementary and Secondary Education website at www.dese.mo.gov/eq/.
POST-BACCALAUREATE
TEACHER CERTIFICATION

The Post-Baccalaureate Certification Program allows those persons who already possess a baccalaureate degree from an accredited college or university in a secondary teaching field to complete the education course work required for teacher certification. Applicants to the post-baccalaureate certification program must have already passed the PRAXIS in their content field and must possess a qualifying academic record. Specific requirements for admission can be found in the Handbook. Post-baccalaureate candidates meet the same requirements and do the same course work as regular teacher education students but are given credit for requirements met by their earlier baccalaureate degree as long as satisfactory grades were achieved, any completed education field work was done successfully, the overall academic record is strong, and the course is not mandated to be done at Jewell. The following courses must be completed at Jewell for post-baccalaureate teacher certification: EDU 275, 307, 311, 315, 375, 401, 424 or 425, and the content methods course.

Course Descriptions

A clear background check is required for all clinical fieldwork courses. Background check instructions will be provided to the student in a related Education course.

EDU 204 Elementary Methods for Teaching Art, Music, and PE (1 cr. hr.)
Students will understand the state and professional curricular standards that inform elementary instruction in art, music, and physical education; will master basic methods of teaching art, music, and physical education in the elementary contained classroom; and will understand the function of specialists in those fields and how the classroom teacher collaborates with those colleagues. Fall semester.

EDU 212 Clinical Fieldwork: Suburban (1 cr. hr.)
A course in which the teaching strategies, principles, and theories learned in 200-level education courses are observed, applied, and practiced in a suburban classroom setting. This fieldwork is done during two different semesters, and assignments to be completed during the fieldwork are made in the 200-level education courses in which the student is concurrently enrolled. Majors must complete this course twice. A background check is required for fieldwork. Spring semester. This fieldwork course is pass/fail only.

EDU 215 Information Technology (2 cr. hrs.)
A course dealing with the design, selection, and utilization of learning strategies involving audiovisual, computer, and instructional media technologies. Emphasis is placed on teacher-constructed applications/materials for use in the classroom. Microcomputer competencies and the utilization of video and internet resources and technology in the classroom are among the major goals of the course. Fall semester.

EDU 216 Psychology of Development, Teaching, and Learning (4 cr. hrs.)
The study and application of psychological principles related to the effective teaching and learning of school-age children. The major topics include child/adolescent development (physical, socio-emotional, and cognitive including moral and language), the influence of environment on learning (culture included), memory and information processing, learning theories (constructivism, behavioral, motivational), and application of theory to the practice of instruction and assessment. Spring semester.

EDU 234 Psychology and Education of the Exceptional Child I (3 cr. hrs.)
This course is designed for students seeking certification to teach in either the elementary or secondary school, but open to all students interested in exceptionalities in children. Exceptionalities studied are blind, hearing impairment, physical impairment, gifted/talented, mentally handicapped, learning disabled, and behaviorally disordered including multiple specific disorders within each of these broad categories. The causes, characteristics, and teaching strategies identified with each exceptionality are studied. Student projects may center on an area of interest. Fall semester.

EDU 250 Methods of Teaching Communication Arts: Writing, Listening, Speaking (3 cr. hrs.)
This course examines literacy development by exploring language acquisition, visual representation, speaking (including drama), listening, and writing. Children's literature will be studied as models for these practices. Integration of these literacy skills throughout the curriculum will be demonstrated as best practice of the objectives of the elementary school language arts program. Students will plan, teach, and evaluate lessons designed to achieve these objectives. Prerequisites: EDU 211 and 212. Fall semester.
EDU 260 Elementary Math Content and Methods (3 cr. hrs.)
This is the first of two courses designed for elementary education students to study the structure of the number system and teaching strategies that may be utilized appropriately to teach elementary age children (K-8). In this first content and methods course, students will be trained to utilize a wide variety of concrete manipulatives in an effort to create mental models for students. Concepts specific to the first course include, but are not limited to, the following: set theory, number theory, whole numbers (place value system, operations, and properties), fractions (representation, operations, and properties), decimals, ratio, proportion, and percent. Fall semester.

EDU 275 Instructional Design and Assessment (3 cr. hrs.)
This course will examine the practice of backward design. Students will learn and practice a range of instructional and assessment techniques and use of assessment data to inform group and individual instructional planning, implementation, and assessment to produce targeted student achievement. The appropriate use and interpretation of various assessments will be identified. The essential elements of differentiated instruction will be introduced. Spring semester.

EDU 284 School and Society in the United States (4 cr. hrs.)
This course examines the development of American schooling within the context of social history. The course focuses on four themes: the differing (often conflicting) concepts about schooling held by leading educational thinkers, the public and public policy makers; the changing relationships among schools and other education entities such as church and family; the societal and policy issues that have shaped the American educational system; and public schooling as a promised or real agent of social change. Students in this course are expected to analyze these forces from all perspectives and to critically discern how and why the current school system evolved. Students will also be expected to identify the origins of current educational issues, be able to analyze and critically discuss those issues and formulate a personal position and/or plan of action based on that understanding. Specific lenses for analysis will include race, class, ethnicity, gender, religion, and the intersection of these factors in the construction of power and justice in/through schooling in the United States. Also listed as CTI 284.

PROFESSIONAL EDUCATION COURSES

EDU 303 Diagnosis and Correction of Communication Problems (3 cr. hrs.)
An introduction to specific methods for evaluating reading performance. Major topics of study include selection and administration of assessment measures, interpretation of results, and development of prescriptive programs. Prerequisite: EDU 301; must be taken concurrently with EDU 309, 314, 315. Fall semester.

EDU 307 Teaching of Reading in the Content Areas (2 cr. hrs.)
Development of ability to understand and teach reading skills and abilities viewed as a continuing process fused with the teaching of content. Emphasis on cognitive processes, questioning strategies, study skills, and development of more complex and refined reading skills. Prerequisite: EDU 310; must be taken concurrently with EDU 315. Fall semester.

EDU 309 Content/Methods of Teaching Mathematics in Elementary School (3 cr. hrs.)
This is the second in a two-course sequence of courses that studies the structure of the number system and teaching strategies that may be utilized appropriately to teach elementary school-age children. Students will be trained to utilize a wide variety of mathematical materials to make concrete the abstractions of mathematics. Mathematical concepts from EDU 260 will be revisited as appropriate, but additional mathematical concepts will be covered including, but not limited to, measurement, geometry, probability, and algorithms. Some of the manipulatives used are unifix cubes, base-ten materials, Cuisenaire rods, chip-trading materials, geoboards, metric materials, pattern blocks, attribute sets, balance materials, tangrams, and fraction bars. Prerequisite: EDU 260 with a grade of C or better. Spring semester.

EDU 311 Clinical Field Work: Urban (1 cr. hr.)
A course in which the teaching strategies, skills, and principles, learned heretofore in the program are applied and practiced in an urban field placement. A variety of assignments for this fieldwork will be made from all teacher education courses in which the student is concurrently enrolled. Background checks will be reexamined for this fieldwork. Spring semester. This fieldwork course is pass/fail only.

EDU 312 Methods of Teaching Elementary Science (2 cr. hrs.)
A course designed to introduce the pre-service elementary teacher to science content, process skills, and tools of inquiry utilized in the discipline of science. A variety of teaching strategies are explored, with teaching through inquiry being the primary focus. Fall semester.
### Education CONTINUED

**EDU 313 Methods of Teaching Elementary Social Studies (2 cr. hrs.)**
Curriculum, methods, and resources for teaching the Social Studies in elementary school. The emphasis is on preparing children for responsible citizenship. This is taken to include a fundamental knowledge of history, geography, and economics. Connections between social studies and other content areas of the elementary curriculum are made explicit. Fall semester.

**EDU 314 Methods of Teaching an Integrated Curriculum (2 cr. hrs.)**
A course designed to integrate the methods of language arts, science, social studies, math, reading, and fine arts into a high quality interdisciplinary curriculum (TOPICS) appropriate for the elementary school. EDU 303, 309, 315 must be taken concurrently. Spring semester.

**EDU 315 Clinical Fieldwork: Rural (1 cr. hr.)**
A course in which the teaching strategies learned heretofore in the teacher-education program are practiced in a rural field placement. A variety of assignments for this fieldwork will be made from all teacher education courses in which the student is concurrently enrolled. Background checks will be reexamined for this fieldwork. Fall semester. This fieldwork course is pass/fail only.

**EDU 338 Teaching Social Studies in the Middle/Secondary School (3 cr. hrs.)**
Responsible, informed decision making is developed in this course for students seeking certification in secondary social studies by sensitizing them to the range of decisions they are likely to encounter as teachers of social studies and by giving them experience in making these decisions. Students participate in lesson-planning and evaluation activities, all emphasizing decision making. Every other fall in odd years.

**EDU 340 Teaching Science in the Middle/Secondary School (3 cr. hrs.)**
Methods for teaching general science, biology, and chemistry in the classroom and laboratory; objectives and organization of subject matter; evaluating the pupil's progress; selection and buying of supplies and equipment; and planning of laboratories. Every other fall in odd years.

**EDU 342 Teaching English in the Middle/Secondary School (3 cr. hrs.)**
A practical course in methods of teaching various phases of secondary English. Open only to those preparing to teach English. Every other fall in odd years.

**EDU 345 Teaching Mathematics in the Middle/Secondary School (3 cr. hrs.)**
Methods of presenting the subject matter of mathematics courses taught in secondary school, the motivation of students, evaluation of results, evaluation and selection of texts and material. References will be made to topics of modern mathematics. Every other fall in odd years.

**EDU 346 Teaching Speech and Theatre in the Middle/Secondary School (3 cr. hrs.)**
A survey of the literature of speech, a unit in curriculum planning, and study of teaching methods in theatre, forensics, and general speech. Every other fall in odd years.

**EDU 349 Teaching Foreign Language in Grades K-12 (3 cr. hrs.)**
Introduction to the theory and practice of teaching foreign languages at both the elementary and secondary levels. Components include: first- and second-language acquisition, individual learning styles, history of foreign language teaching in the U.S., curriculum planning and design, technology in the foreign language classroom, professional organizations, and observing foreign language classrooms. Every other fall in odd years.

**EDU 351 Methods of String Instruments (2 cr. hrs.)**
See Music section for a course description. Cross-listed as MUS 351.

**EDU 352 Methods in Woodwind Instruments (2 cr. hrs.)**
See Music section for a course description. Cross-listed as MUS 352.

**EDU 353 Methods in Brass and Percussion Instruments (2 cr. hrs.)**
See Music section for a course description. Cross-listed as MUS 353.

**EDU 358 Teaching Art in Grades K-12 (3 cr. hrs.)**
This course relates the general principles of art education and its instruction to multicultural and interdisciplinary concerns, creativity, lesson planning, and classroom field experience. The course prepares students to incorporate the historical, criticism/analysis, aesthetic, and product/performance strands that form the crucial elements of the discipline based Art education model. Every other fall in odd years.
EDU 375 Differentiated Instruction (3 cr. hrs.)
The student will build on his/her understanding of instructional design and assessment by learning how to adapt and modify instruction for individual student needs based on student performance as illustrated by assessment data. In addition to practicing these general skills, students will study special needs of English language learners, students from a variety of cultures, and students in poverty, and specific strategies to meet those students’ needs. Spring semester.

EDU 399 Pre-Student Teaching Fieldwork (0.5 cr. hrs.)
This is the culminating fieldwork placement prior to student teaching in which the student begins to work in his/her student teaching placement to familiarize him/herself with the school, students, cooperating teacher, policies, procedures, expectations of the classroom, and the building. A background check is conducted during this experience, which is taken the semester prior to student teaching. This fieldwork course is pass/fail only. Taken the semester prior to student teaching.

EDU 401 Reflective Teaching Seminar (2 cr. hrs.)
The course focuses on the applied study, practice, and analysis of teaching strategies and skills needed to meet the needs of all students. Topics include classroom management; lesson planning; lesson implementation including effective questioning, conducting productive discussions, reaching students with different learning styles/abilities/cultural backgrounds, using cooperative learning groups, and effective assessment; and systematic reflective practice to improve the instructional process including instructional and ethical decision-making. Includes construction of the required Teacher Work Sample/portfolio. Taken concurrently with student teaching.

EDU 405 Classroom Management (2 cr. hrs.)
A course focusing on the major modern theories of classroom management. In addition to the study of theories, strategies for implementation, and actual application and assessment of selected strategies will be covered.

EDU 410 Student Teaching for Elementary School Teachers (10 cr. hrs.)
This course provides for the elementary education major to teach in an elementary school classroom for a full semester (as defined by the teacher education faculty). The student is assigned to a cooperating teacher who works with the college supervisor to give the student an opportunity to teach under supervision. The student teacher must, during this time, develop in proficiency and assume complete responsibility for the children in the classroom. The principal and other school personnel cooperate to include, as nearly as possible, all the experiences of a contract teacher. Students must successfully complete the Teacher Education Work Sample/Portfolio before receiving a grade in student teaching. See Student Handbook for admission requirements and general policies governing the program.

EDU 424 Student Teaching in Secondary School (10 cr. hrs.)
Education majors receiving teaching certification in Secondary Education, grades 9-12, teach at a secondary campus for a full semester (as defined by teacher education faculty). The student, under the direction of the cooperating teacher and the college supervisors, assumes responsibility for teaching. The principal and other school personnel cooperate to include, as nearly as possible, all the experiences of a contract teacher. Students must successfully complete the Teacher Education Work Sample/Portfolio before receiving a grade in student teaching. See Student Handbook for admission requirements and general policies governing the program. Students receiving only secondary teacher certification will enroll for 10 credit hours.

EDU 425 Student Teaching in Grades K-12 (10 cr. hrs.)
This course provides for the education major receiving teaching certification in grades K-12 to teach in school campus settings at both the elementary level (for a minimum of seven weeks) and the secondary level (for a minimum of seven weeks). The student, under the direction of the cooperating teacher at each level and the college supervisors, assumes responsibility for teaching. The principal and other school personnel cooperate to include, as nearly as possible, all the experiences of a contract teacher. Students must successfully complete the Teacher Education Work Sample/Portfolio before receiving a grade in student teaching. See Student Handbook for admission requirements and general policies governing the program.
EDU 430 Independent Studies in Education  (1-4 cr. hrs.)
This course is provided for those students desiring or needing opportunities to pursue interests in any areas of concern to teachers. Prerequisite: GPA of 3.5 and approval of faculty. Students interested in an independent study should complete the request for independent study form in the Department of Education Office.

EDU 440 Undergraduate Research Seminar  (1-4 cr. hrs.)
An introduction to the basic concepts, philosophies, and methodologies of educational research. Students will acquire a basic understanding of research design, implementation, and analysis of data as well as interpretation, use, and limitations of results. Students taking the course for advanced credit will design and implement a research project investigating a topic pertinent to K-12 teaching and learning practice and report their research findings. Permission of instructor required.

EDU 451 Music Methods in the Elementary School  (2 cr. hrs.)
See Music section for a course description. Clinical field experience required. Cross-listed as MUS 451.

EDU 452 Vocal Music Methods in the Secondary School  (2 cr. hrs.)
See Music section for a course description. Clinical field experience required. Cross-listed as MUS 452.

EDU 453 Instrumental Methods in the School  (2 cr. hrs.)
See Music section for course description. Clinical field experience required. Cross-listed as MUS 453.

EDU 454 Auditory Skills in Communication  (2 cr. hrs.)
See Speech section for a course description. Clinical field experience required. Cross-listed as SPC 454.

EDU 455 Practicum in International Education  (8-12 cr. hrs.)
A field experience in American higher education. Students from foreign countries are placed in beginning to advanced level foreign language classes at William Jewell College. Students serve as course assistants under the direction of a foreign language professor. Prerequisite: Completion of a post-secondary course of study at a foreign institution. Graded pass/fail. May be repeated. Does not meet student teaching requirements.

EDU 470 Seminar in British Education  (2 cr. hrs.)
A study of the philosophy, curriculum, and methods of the British primary schools. The course must be taken as a prerequisite to or concurrently with EDU 475.

EDU 475 Practicum in British Education  (4 cr. hrs.)
A four-week practicum in a British primary school supervised by a member of the education faculty. Prerequisites: junior standing and admission to the Teacher Education Program.

See the Physical Education section of the catalog for PED 465, Methods of Middle and Secondary School Physical Education.
THE JOHN PHELPS FRUIT DEPARTMENT OF ENGLISH

The Department of English offers a major in English that leads to the BA degree. The English major as a second major combined with a BS primary major does not require the additional BA degree courses.

The English major teaches high-level critical thinking, reading, and writing, as well as cultivating, through its study of critical theory and U.S., British, and World literatures, a deep awareness of human issues—historical, political, and cultural.

Goals for Student Learning

• To promote wide reading in major works in the U.S., British, and World literary traditions;
• To develop familiarity with contemporary critical theories and reading strategies;
• To become proficient in methods of independent reading and literary research;
• To become proficient and fluent in writing in academic as well as non-academic contexts.

Students wishing to declare an English major should consult with their advisor. Formal admission to the major requires completion of a minimum of two college-level literature courses, or one college-level literature course and one college level writing course, at least one of which must be ENG 330, Introduction to Textual Study. The minimum acceptable GPA in the courses presented for admission to the major is 2.75.

Students majoring in English may receive certification to teach English in grades 9-12 in the State of Missouri by majoring in both English and secondary education and by fulfilling all requirements of a certification program in English that has been approved by the Missouri Department of Elementary and Secondary Education. Procedures to be followed in obtaining teacher certification are included in the Student Handbook for Teacher Certification. Specific course requirements for all certification programs may be obtained from the Education Department.
The Curriculum

**Introductory courses: 200-level courses**

200-numbered literature courses (225, 245, 255) are suitable for any student with an interest in literature. They cover a wide range of readings and provide instruction in methods of critical analysis and interpretation of written and other texts. They are divided into three categories: Types, Topics, and Periods. Typically, one of these courses is offered each semester and is open to English majors and non-majors. Students may take more than one of the courses within each category if the content differs.

**The literature core: 300-level courses**

300-level literature courses, with the exception of ENG 330, Introduction to Textual Study, emphasize extensive reading within a broad historical span. Their common purpose is to develop the ability to analyze and contextualize literary works within characteristics of historical periods and literary movements, informed by an understanding of critical methodologies.

ENG 330 is open to all students and is required for all English majors. In addition to ENG 330, English majors must complete three courses at the 300 level, one each in English, American, and World literatures. English majors are expected to complete ENG 330, Introduction to Textual Study, before enrolling in any other 300-level literature course, although course instructors may waive this prerequisite under certain circumstances.

Non-majors wishing to take any 300-level literature course apart from ENG 330 must have successfully completed at least one 200-level literature course at Jewell, or the equivalent at another college, or have the instructor’s permission, before enrolling.

300-level writing courses are open to all students.

**Advanced literary studies: 400-level courses**

400-level courses offer seminar-type intensive study of a specific topic, writer or theme, founded in the practice and methods of literary theory and primary research. Intended primarily for English majors, these courses provide opportunities for students to complete an independent research project in collaboration with a member of the English Department faculty.

English majors must have been formally admitted to the major and have completed ENG 330, Introduction to Textual Study, and at least two other 300-level courses before enrolling in any advanced studies course. Typically, 400-level advanced studies courses are open only to seniors; however, any qualified English major who has the instructor’s consent may take an advanced studies course as an English elective during the junior year, in addition to the two required advanced studies courses to be taken during the senior year. Non-majors may occasionally be admitted to 400-level courses under special circumstances, with the consent of the instructor.

**THE MAJOR**

**ENGLISH**

**Required Courses**

- ENG 330 Introduction to Textual Study (4)
- Two of the following three classes:
  - ENG 316 Creative Writing: Fiction (4)
  - ENG 317 Creative Writing: Poetry (4)
  - ENG 318 Creative Nonfiction (4)
- Three literature courses at the 300 level, one in each of U.S., British, and World literature (12)
- Two 400-level Advanced Literary Studies courses (8)

Students seeking certification to teach English may use their student-teaching experience as a substitute for one of the 400-level English requirements.

Courses presented for transfer credit should have goals, course work and content similar to specific literature courses listed in the Jewell course catalog. The English department chairperson must approve requests for transfer credit. Normally, no transfer equivalent will be accepted for ENG 330, and no more than one course will be accepted for transfer at the 300-level.
Course Descriptions

ENG 220 Business Writing (4 cr. hrs.)
Study of theory and practice in written communication within the business organization. Develops a basis for effective, professional writing of letters, memos, reports, proposals, and presentations. Offered on an irregular basis.

ENG 222 Individual Writing Project (1-4 cr. hrs.)
Individual writing courses for qualified students only, undertaken with the close sponsorship of an English teacher and beginning with a project proposal in specific terms. The numbers 322 and 422 are for the second and third such projects undertaken. Prerequisites: CTI 102. An advanced writing course and one completed literature course are also preferred. Enrollment is with instructor permission only.

ENG 225 Literary types (4 cr. hrs.)
Introduction to one or more significant genres of literature such as prose fiction, poetry, drama, nonfiction, including new genres such as screenwriting, the graphic novel, and science fiction. Includes an examination of the history and development of the genre.

ENG 235 Introduction to the Study of Language (4-5 cr. hrs.)
A study of the development of human language, language acquisition, structure and change, and language in human life. It is intended for any student interested in the subject. Students who enroll for 5 hours complete a major research or fieldwork project. With this additional hour, the course fulfills Missouri teacher certification requirements. Offered fall semester, odd-numbered years. Prerequisite: CTI 102.

ENG 242 Individual Practicum Project (1-4 cr. hrs.)
Individual practicum projects for qualified students only, undertaken with the close sponsorship of an English teacher, beginning with a project proposal in specific terms. Examples of practice are field work in dialect study, tutoring students of English as a Second Language, service in the Writing Center. In each instance the practical work is combined with reflective study and with process analysis. The numbers 342 and 442 are for the second and third such projects undertaken. Prerequisite: CTI 102. Enrollment is with instructor permission only.

ENG 245 Literary Periods (4 cr. hrs.)
Introductory study of literary works associated with a significant historical period, literary movement, or intellectual current. Different literary genres will be studied in relation to the characteristic features of the period or movement, sometimes in the context of other genres of expression, such as painting or cinema. Examples include the Romantics, the Irish Renaissance, Transcendentalism.

ENG 252 Individual Reading Project (1-4 cr. hrs.)
Individual reading projects for qualified students only, undertaken with the close sponsorship of an English teacher, and beginning with a project proposal in specific terms. They are sometimes available for students who desire to undertake substantial reading programs of worthy literary works. The numbers 352 and 452 are for the second and third reading projects undertaken. Prerequisites: CTI 102 and one completed literature course. Enrollment is with permission only.

ENG 255 Literary Topics (4 cr. hrs.)
Introductory study in comparative themes and topics found in significant literary works from more than one literary or cultural tradition. Examples include revenge literature, sexuality in literature, literature and religion, literary utopias, and dystopias.

ENG 316 Creative Writing: Fiction (4 cr. hrs.)
An introduction to the writing of short stories through the study of the conceptual and mechanical elements of fiction and the workshop-formatted discussion of student manuscripts. Limited enrollment. At least one completed literature course is recommended prior to enrollment. Prerequisite: CTI 102. Offered fall semester.

ENG 317 Creative Writing: Poetry (4 cr. hrs.)
An introduction to the writing of poetry through the study of its elements and conventions and the workshop-formatted discussion of student poems. Limited enrollment. At least one completed literature course is recommended prior to enrollment. Prerequisite: CTI 102. Offered spring semester.

ENG 318 Creative Nonfiction (4 cr. hrs.)
Introduces the wide variety of styles and sub-genres associated with the term “creative nonfiction,” including autobiography, profile, biography, history, literary journalism, and the personal essay. Students will read critically and discuss examples by contemporary writers. On topics of their choosing, they will research and write forms of the genre that make up creative nonfiction, discussing their writing in workshop format. Prerequisite: CTI 102. Offered spring semester.

ENG 322 Individual Writing Project (1-4 cr. hrs)
Refer to the description under ENG 222.

ENG 330 Introduction to Textual Study (4 cr. hrs)
Introduces students to close study of texts, informed by contemporary literary theory. Intended for English majors, the course is required for continued study in the English major. Non-majors may be admitted to the course with the instructor's consent. Prerequisite: CTI 102. Offered spring semester.
A study of United States literature, particularly that of the 19th century, will be studied within their historical and cultural contexts, in dialogue with critical methodologies, and sometimes in the context of other genres, including painting or film. Prerequisite: ENG 330 or instructor permission.

**ENG 342 Individual Practicum Project (1-4 cr. hrs.)**
Refer to the description under ENG 242.

**ENG 345 Studies in English Literature II (4 cr. hrs)**
Introduces students to the English literary tradition of the Romantic Period to the 21st Century. Fictional works of various genres, including poetry, prose, and drama, will be studied within their historical and cultural contexts, in dialogue with critical methodologies, and sometimes in the context of other genres, including painting or film. Prerequisite: ENG 330 or instructor permission.

**ENG 350 Studies in U.S. Literature I (4 cr. hrs)**
A study of United States literature, particularly that of the 19th and 20th centuries, covering the works of 30 to 40 writers and examining the aesthetic and technical developments and innovations derived from and influenced by historical contexts. Prerequisite: ENG 330 or instructor permission.

**ENG 351 Career Paths for the English Major (1 cr. hrs.)**
Examines the variety of career opportunities for English majors outside of teaching and helps students prepare for successful careers after graduation. Offered for the last time in Fall 2012.

**ENG 352 Individual Reading Project (1-4 cr. hrs.)**
Refer to the description under ENG 252.

**ENG 353 Internship (1-4 cr. hrs.)**
A program offering majors hands-on experience in job situations. The internship experience is carefully designed to augment the skills in effective thinking, reading, and writing that English majors develop in the classroom. Prerequisite: Minimum 3.0 GPA and consent of the instructor.

**ENG 355 Studies in U.S. Literature II: Minority Literature (4 cr. hrs)**
Introduces students to United States minority literary traditions and provides continued practice in analyzing and writing about fictional works. Readings in, discussion of and/or an essay or annotated bibliography about literature for adolescents are provided for students seeking to meet teacher certification requirements for adolescent literature. Prerequisite: ENG 330 or instructor permission.

**ENG 360 Great Works of World Literature (4 cr. hrs)**
A study of representative works of world literature from Antiquity, the Middle Ages, and the Renaissance in translation. The course emphasizes the study and understanding of the literary, cultural, and human significance of selected great works of the Western and non-Western literary traditions in their cultural/historical contexts and of the enduring human values which unite literary traditions across history and cultures. Prerequisite: ENG 330 or instructor permission.

**ENG 365 Studies in Contemporary World Literatures (4 cr. hrs)**
The course introduces students to contemporary postcolonial literature. Prerequisite: ENG 330 or instructor permission.

**ENG 422 Individual Writing Project (1-4 cr. hrs.)**
Refer to the description under ENG 222.

**ENG 440 Advanced studies: English literature (4 cr. hrs)**
Intensive study of a specific topic, writer, or theme in English literature, grounded in the practice and methods of literary theory and research. Intended primarily for senior English majors, the course provides opportunities for students to complete an independent research project in collaboration with a member of the English Department faculty. Prerequisites: ENG 330 and at least two additional 300-level English courses. May be repeated for credit on different topics.

**ENG 442 Individual Practicum Project (1-4 cr. hrs.)**
Refer to the description under ENG 242.

**ENG 450 Advanced studies: United States literature (4 cr. hrs)**
Intensive study of a specific topic, writer, or theme in American literature, grounded in the practice and methods of literary theory and research. Intended primarily for senior English majors, the course provides opportunities for students to complete an independent research project in collaboration with a member of the English Department faculty. Prerequisites: ENG 330 and at least two additional 300-level English courses. May be repeated for credit on different topics.

**ENG 452 Individual Reading Project (1-4 cr. hrs.)**
Refer to the description under ENG 252.

**ENG 460 Advanced Studies: World literature (4 cr. hrs)**
Intensive study of a specific topic, writer, or theme in world literature founded in practice and methods of literary theory and primary research. Intended primarily for English majors, the course provide opportunities for students to complete an independent research project in collaboration with a member of the English Department faculty. Prerequisites: ENG 330 and at least two additional 300-level English courses. May be repeated for credit on different topics.
History

Chair: Professor Elaine A. Reynolds
Professors: Thomas Howell and Jane Woodruff
Assistant Professor: Christopher Wilkins

>> www.jewell.edu/historymajor

Goals for Student Learning

Graduates of the William Jewell College history program
• demonstrate familiarity with the major figures and events, and the fundamental processes and developments, of American and World History;
• analyze primary as well as secondary sources to develop and/or expand historical knowledge;
• research, draft, and, if necessary, revise an historical research paper; and
• demonstrate knowledge of the nature and development of the historical profession and historiography.

The department offers one major, which leads to a Bachelor of Arts (BA) degree. The department also offers a minor in history.

THE MAJOR

HISTORY

Required Courses

HIS 103 World History I (4)
HIS 104 World History II (4)
HIS 121 American History I (4)
HIS 122 American History II (4)
HIS 400 Senior Capstone Research Seminar (4)

16 hours of 200/300-level courses, with at least four hours in American history and four hours in world history

A minimum of 36 hours is required for the major; a maximum of 40 hours in History is allowed to count toward graduation. Students should meet the survey course requirements as quickly as possible, preferably within the first four semesters after declaring a major. HIS 400 is normally taken in the senior year. Students may count one course from the following list toward their major in place of a 200/300-level History course:

ART 250 Western Art History I (4)
ART 251 Western Art History II (4)
GEO 304 Economic Geography (4)
POL 211 American Political Thought (4)
POL 313 Classical and Medieval Political Thought (4)
POL 314 Modern Political Thought (4)
POL 334 U.S. National Security Policy (4)
History majors are encouraged to participate in Jewell's overseas programs. All history courses help students develop skills in careful reading, effective writing, and critical thinking. A few majors may be able to take an internship. Consult with the department chair about possibilities.

Students who select history as their first major must follow the requirements for the BA degree. A student who has a primary major leading to the Bachelor of Science degree and who chooses history as an additional major is not required to meet the core requirements for the BA degree.

Students who wish to pursue teacher certification in social studies 9-12 (there is no separate history certification in Missouri) need to major in both history and secondary teacher education and to take specific social studies course work in addition to the History major. Additional information about the Secondary Education major can be found in the Education section of this catalog, and the specific social studies course work is listed on advising checklists in the Department of Education Office.

THE MINOR

HISTORY

The minor in history introduces students to the basics of world and American history in a 20-hour program. Students choose either an American- or world-history emphasis, enabling them to do in-depth study and to learn about the work of historians. Students in the minor will be taught most of the same skills that history majors learn, including analytical reading, critical thinking, persuasive writing, and effective argumentation.

Required Courses

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HIS 103</td>
<td>World History I (4)</td>
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<tr>
<td>or HIS 104</td>
<td>World History II (4)</td>
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<tr>
<td>HIS 121</td>
<td>American History I (4)</td>
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<tr>
<td>or HIS 122</td>
<td>American History II (4)</td>
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12 hours of 200/300-level courses, with at least four hours in American history and four hours in world history

Course Descriptions

HIS 103 World History I (4 cr. hrs.)
Introduction to the study of history as a liberal art. Considers the development of civilization in the West (Greece, Rome, the Middle Ages, the Renaissance and Reformation), Asia, Africa, and the Western Hemisphere. Interrelationships in global history are treated.

HIS 104 World History II (4 cr. hrs.)
Introduction to the content and methodology of modern history. Considers the development of absolute monarchy, the Enlightenment, the French and Industrial Revolutions, the rise of European nations as world powers, imperialism, nationalism, and independence in non-Western nations, modern intellectual trends, and the two World Wars and their aftermath.

HIS 121 American History I (4 cr. hrs.)
A survey of North American social, political, and economic development from the earliest discoveries and initial European colonization down through the War for Southern Independence.

HIS 122 American History II (4 cr. hrs.)
A survey of the United States history from Reconstruction of the South after the Civil War to the present. Emphasis is placed on social, economic, and political developments.

HIS 202 Introductory History Colloquium: World History (4 cr. hrs.)
This course will provide a stimulating opportunity for a select group of students to consider a topic that is limited geographically and chronologically (such as “Women in Western Europe” or “History of Science and Technology”). Students will read in primary and secondary sources. Prerequisite: HIS 103 or 104 or instructor’s permission. May be cross-listed as CTI 286; if so, it is recommended that students enrolling in this course be eligible to take Level-II CTI courses.

>> www.jewell.edu/historymajor
HIS 204 Introductory History Colloquium: American History (4 cr. hrs.)

For contours of course description see HIS 202. Prerequisite: HIS 121 or 122 or instructor's permission.

HIS 223 History of England (4 cr. hrs.)

A survey of the major themes, events, and people of English history from the 17th century to the present. This course introduces students to the work of historians as well as topics such as the impact of the Reformation, the English Civil War, the rise of parliament and party politics, England and the War for American Independence, the Industrial Revolution, Britain as an imperial power, the two World Wars, and the welfare state. Students who have taken “British Studies” at Harlaxton College in England may not take HIS 223 for credit towards the history major. Prerequisite: HIS 103 or 104 or instructor’s permission.

HIS 224 Modern China (2 cr. hrs.)

A consideration of the development of China from the late 19th century to the present. Gives particular attention to China’s attempts to modernize in reaction to Western and Japanese imperialism. Prerequisite: HIS 103 or 104 or instructor’s permission.

HIS 226 Modern Japan (2 cr. hrs.)

A consideration of the development of Japan from the mid-19th century to the present. Gives particular attention to Japan’s attempts to modernize in reaction to Western imperialism. Prerequisite: HIS 103 or 104 or instructor’s permission.

HIS 229 History of the Middle East (4 cr. hrs.)

This course considers the history of the Middle East from ancient Biblical times through the present day. While the material covered in the course begins with events that occurred over 3000 years ago, the majority of the course deals with 20th and 21st century events, ideas, belief systems, and ethical questions related to the area. Particular emphasis is given to historical events that continue to influence present day actions and beliefs.

HIS 300 The United States, 1850-1877: Civil War and Reconstruction (4 cr. hrs.)

A detailed account of the causes of the War for Southern Independence, the course of the war itself, and the process of reconstructing. Prerequisite: HIS 121 or 122 or instructor’s permission.

HIS 301 Jacksonian America: The United States, 1820-1850 (4 cr. hrs.)

This course examines the often volatile three decades from the Missouri Compromise to the Compromise of 1850. Special emphasis is placed on the mounting sectional conflict that steadily drove the nation toward disunion, the major social, political, and economic issues that sustained that conflict, reform movements and national leadership. Prerequisite: HIS 121 or 122 or instructor’s permission.

HIS 305 The Rise of the City in the United States (4 cr. hrs.)

A detailed examination of United States history from colonial times to the present with heavy emphasis on the city as the locus and focus of the American experience. Special problems adherent to city building and urban life will be analyzed as will the city’s continuing contributions to and dominance of American institutions and traditions. Prerequisite: HIS 121 or 122 or instructor’s permission.

HIS 306 American Westward Movement: A History of American Frontier (4 cr. hrs.)

The course examines the succession of American frontiers from the earliest days of New France and the Spanish Borderlands through the Anglo-American colonial frontier and the trans-Appalachian and trans-Mississippi Wests. Special emphasis is placed on the contributions of seemingly endless areas of free, or nearly free, land to the development of the “American character.” Prerequisite: HIS 121 or 122 or instructor’s permission.

HIS 312 Europe in the Middle Ages (4 cr. hrs.)

The course begins with the transformation of the Roman Empire into the Middle Ages, and ends with the transformation of medieval Europe into the Renaissance. Attention will be given to such topics as monasticism, the crusades, feudalism, manorialism, the rise of papal monarchy, church-state struggles, and Gothic and Romanesque art. Prerequisite: HIS 103 or 104 or instructor’s permission.

HIS 317 Early Modern Europe (4 cr. hrs.)

This course is an advanced survey of Europe in the 17th and 18th centuries, to 1815. Students will study topics such as the Wars of Religion, the rise of absolutism, Europe and the New World, the Scientific Revolution and Enlightenment, and the French Revolution. There is usually a “focus” to this study, which may be either based in content, such as warfare through time, or methodological, such as historiography or biography. Prerequisite: HIS 103 or 104 or instructor’s permission.
HIS 318 The Formation of Modern Europe  (4 cr. hrs.)
A detailed look at the development of Europe in the 19th and 20th centuries and the work of its historians. Considers such topics as the Industrial Revolution and its impact, the rise of nationalism, Bismarck and German unification, imperialism, the rise of middle class culture, the origins and impact of World War I, the emancipation of women, the Russian Revolution, the rise of Hitler and Nazi Germany, World War II, and its aftermath. Prerequisite: HIS 103 or 104 or instructor's permission.

HIS 320 Crime and Punishment  (4 cr. hrs.)
This course asks students to study and apply the content and methods of history, sociology, literature, and art history to the topic of criminal justice in 18th and 19th century England. This was a time and place of significant debate sparked by the Enlightenment rationalism and evangelical enthusiasm and of important reforms in law, policing and punishment that continue to influence current debate, on these issues. Students will grapple with a variety of materials, including statistical studies of crime, social theories of deviance, literature such as the play “The Beggar’s Opera” and the fiction of Charles Dickens, and the paintings of William Hogarth, to gain an in-depth appreciation for the dilemmas of crime and punishment. Cross-listed as CTI 277. It is recommended that students enrolling in this course be eligible to take Level-II CTI courses.

HIS 322 World War II and the Holocaust  (4 cr. hrs.)
This course examines varied aspects of the most massive war in history and the equally massive atrocity associated with it. While giving attention to military history and the mechanics associated with the Holocaust, the course also delves into sociology, psychology, political science, and literature as it considers issues in ethics, politics, and law. Prerequisite: HIS 103 or 104 or instructor’s permission. Cross-listed as CTI 280. It is recommended that students enrolling in this course be eligible to take Level-II CTI courses.

HIS 324 Comparative Revolutions  (4 cr. hrs)
This course will guide students through the study of at least two revolutions, for example the French Revolution of 1789 and the Russian Revolution of 1917. Some of the key questions involved in this will include: How do we define revolution? What causes them? What influences their outcomes? Are revolutions primarily political events or must they include social and/or economic change? Who participates in them and why? Are some revolutions failures and others successful? In some years the course will involve other “revolutions” such as the Scientific Revolution of the 18th century, the American Revolution, the Industrial Revolution of the 19th century, or the Chinese Communist Revolution of the 20th century. Prerequisite: HIS 103 or 104 or instructor’s permission. Cross-listed as CTI 285. It is recommended that students enrolling in this course be eligible to take Level-II CTI courses.

HIS 400 Senior Capstone Research Seminar  (4 cr. hrs.)
This course is the senior seminar for history majors. Students will study a variety of historical methods and research techniques. They will then apply some of these methods, along with their writing skills, producing a research project/paper. The research project, required of all majors, is to be on a topic chosen by the student in consultation with the instructor. Students will present their findings in an oral presentation as well as the final written version. Prerequisite: At least 24 hours of history including all four survey courses.

HIS 402 Readings in World History  (1-2 cr. hrs.)
Independent readings under professorial supervision. Writing assignments required. Limited enrollments. Must have professor’s permission before enrolling. Offered every semester.

HIS 404 Readings in American History  (1-2 cr. hrs.)
Independent readings under professorial supervision. Writing assignments required. Limited enrollments. Must have professor’s permission before enrolling. Offered every semester.

HIS 480 History Internship  (1-6 cr. hrs.)
This internship is intended to give the student practical experience in positions which traditionally use professional historians (or undergraduate history majors). This would include closely supervised work at such places as museums, historical sites, and historical depositories. Usually taken during the summer. Consult the departm
Languages

Chair: Professor Susan Myers
Professor: Jane Woodruff
Assistant Professors: Amaya Amell, Jennifer Colón, Michael Foster

>> www.jewell.edu/languages

The Languages Department offers programs in the core languages representing the peoples, cultures, and literatures of the Western World and in languages critical to an understanding of the present world beyond the West. Committed to the College’s promise to provide “open, rigorous intellectual pursuit” in the discipline of languages, the department seeks to develop in our students the expertise of our discipline: cultural literacy, language competencies, and cross-cultural experiential skills through established majors and minors. The department recognizes student achievement by nomination to and induction into Phi Sigma Iota, the international foreign language honor society.

The department offers two majors, French and Spanish. Both majors lead to a Bachelor of Arts (BA) degree. Students who are interested in interdisciplinary studies in Classics or in Languages and International Business are invited to speak with the department chair about the process involved in creating a self-designed major. The department also offers five minors: Arabic Area Studies, Classical Humanities, French, Japanese Area Studies, and Spanish. A grade of C- or higher is required in each course in all of the majors and minors.

THE MAJORS

FRENCH

Goals for Student Learning
Students who earn a BA in French or a French minor at William Jewell College will

· understand French and Francophone literature through a study of representative works of major historical and cultural periods, paying special attention to the genres of theater, poetry, short story and novel;

· understand French and Francophone history and culture through a review of important historical events and a study of representative works of major historical and cultural periods, paying particular attention to the Middle Ages, the 17th, 19th and 20th centuries;

· develop the language skills of listening, reading, speaking, and writing, working towards a proficiency rating of Proficient User, level C1, on the Council of Europe’s Common European Framework of Reference for Languages.

French majors must complete 24 hours of French courses numbered 300 or above, including FRE 315, Introduction to French Studies (4), and FRE 415, French Studies Capstone (4). It is required that students choosing French as a first major complete at least 6 hours of French study at the 300-level in a French-speaking country. It is highly recommended that students choosing French as a second or third major complete at least 6 hours of French study at the 300-level in a French-speaking country. Students completing a second major in French must complete the requirements for the BA degree.

· develop the competencies for life-long learning in French: appreciation of French Studies, literary criticism, presentation, investigation, identification of areas of personal interest, and creativity; and
Languages
CONTINUED

**SPANISH**

**Goals for Student Learning**

Students who graduate with a major in Spanish will

- know key historical and literary movements, figures and events that are part of the cultural heritage deemed important to an educated Spanish-speaking person;
- be able to connect literary works to their social context including economic, historical, and political realities;
- have listening, reading, speaking, and writing skills for effective communication in a work or social environment in Spanish, acquired through both classroom and study abroad experience that are adequate to achieve an Intermediate High rating on the American Council on the Teaching of Languages Oral Proficiency Interview (ACTFL OPI); and
- develop the skills of critical analysis in preparation and completion of research projects in Spanish.

Spanish majors must complete 24 hours of Spanish courses numbered 300 or above, including Spanish 315, Advanced Oral and Written Spanish (4), and Spanish 415, Senior Research Capstone (4). It is required that students choosing Spanish as a first major complete at least 6 hours of Spanish study at the 300-level in a Spanish-speaking country. It is highly recommended that students choosing Spanish as a second or third major complete at least 6 hours of Spanish study at the 300-level in a Spanish-speaking country. Students completing a second major in Spanish must complete the requirements for the BA degree.

Students may receive certification to teach French or Spanish in grades K-12 in the State of Missouri by majoring in either French or Spanish and also majoring in secondary education. Procedures to be followed in obtaining teacher certification are included in the Student Handbook for Teacher Certification. Specific course requirements for all certification programs may be found on check sheets available in the Education Department office.

**THE MINORS**

**ARABIC AREA STUDIES**

Students who graduate with a minor in Arabic Area Studies will

- have an intermediate level of competency in the Arabic Language.
- know key cultural, historical, and political facts about the Arabic-speaking world of North Africa or the Middle East.
- have completed a semester abroad in Rabat, Morocco or in Amman, Jordan.

**Requirements:**
The minimum is 19 credit hours, including 4 hours of ARA 212 and 15 hours of study abroad completed in Rabat, Morocco or Amman, Jordan. A grade of C- or better is required in all courses in the minor.

**CLASSICAL HUMANITIES**

**THE ROBERT BAYLOR SEMPLE DEPARTMENT OF CLASSICS**

Graduates with a minor in classical humanities will

- develop at least minimal reading competency in either Latin or ancient Greek.
- acquire general knowledge of Roman history (for Latin readers), ancient Greek history (for Greek readers) or both.
- pursue more in-depth knowledge of some aspect of classical culture, e.g., art or philosophy or politics (student’s choice).

The interdisciplinary Classical Humanities minor is intended to provide students interested in the ancient Greek and/or Roman world with the background and skills (historical and linguistic) necessary to pursue that interest, broadly or narrowly. Classical Humanities minors (which require a total of 16-18 hours) comprise 8 hours of Latin or 8 hours of ancient Greek at the intermediate level or above, 3-4 hours of Roman and/or ancient Greek history, and 3-6 hours in a...
Languages
CONTINUED

specialized area of classical studies chosen by the student from a discipline other than history or language (e.g., art or philosophy or political science). Up to 6 hours of credit may be earned from approved study abroad or exchange programs. A research project (GRK/LAT 312, 0-2 hours) approved by the coordinator concludes the minor. A grade of at least C- is required in all coursework within the minor and on the final project.

specialized area of classical studies chosen by the student from a discipline other than history or language (e.g., art or philosophy or political science). Up to 6 hours of credit may be earned from approved study abroad or exchange programs. A research project (GRK/LAT 312, 0-2 hours) approved by the coordinator concludes the minor. A grade of at least C- is required in all coursework within the minor and on the final project.

FRENCH

The French minor is designed for students who would like to add a French component to their other major, such as art, music, business, pre-engineering, international studies, and other fields in which France and Francophone countries play a role. French minors must complete 16 hours of French courses, including FRE 212 Intermediate French II (4), FRE 315 Introduction to French Studies (4), and two other courses numbered 300 or above. The student may replace FRE 212 with another course numbered 300 or above. A grade of C- or higher is required in each course to complete the minor.

JAPANESE AREA STUDIES

Students who graduate with a minor in Japanese Area Studies will

• have an intermediate level of competency in the Japanese Language.
• know key cultural, historical, and political facts about Japan and Asia.
• have completed a semester abroad in Japan.

Requirements:
The minimum is 19 hours, including 4 hours of JPN 212 at Jewell and 15 hours of study abroad completed in Japan. A grade of C- or better is required in all courses in the minor.

SPANISH

The Spanish minor is designed for students who would like to improve their communicative ability in Spanish, and to broaden their understanding of the Hispanic cultures. The ability to communicate in Spanish will enhance career possibilities for students who are considering working in a variety of human service fields, such as education, health, business, and counseling. Spanish minors must complete 16 hours of Spanish courses, including SPA 212 Intermediate Spanish II (4), SPA 315 Advanced Oral and Written Spanish (4), and two other courses numbered 300 or above. The student may replace SPA 212 with another course numbered 300 or above. A grade of C- or higher is required in each course to complete the minor.

Course Descriptions

ARABIC

ARA 111 Elementary Modern Arabic I (4 cr. hrs.)
A complete introductory course in college Arabic. Students learn to speak, read, and write Arabic. Fall semester.

ARA 112 Elementary Modern Arabic II (4 cr. hrs.)
Prerequisite: ARA 111. A continuation of ARA 111. Spring semester.

ARA 211 Intermediate Modern Arabic I (4 cr. hrs.)
Further practice in speaking, reading, and writing Arabic. Prerequisite: ARA 112 or the equivalent. Fall semester.

ARA 212 Intermediate Modern Arabic II (4 cr. hrs.)
Further practice in speaking, reading, and writing Arabic. Prerequisite: ARA 211 or the equivalent. Spring semester.

ARA 350 Tutorial in Arabic (1-4 cr. hrs.)
Extensive directed study in an area of special interest to the student. The instructor will choose learning activities in collaboration with the student. Assessment will normally include exams, papers, and/or oral presentations. Prerequisite: ARA 212 or equivalent and consent of the instructor.

CHINESE

CHI 111 Elementary Chinese I (4 cr. hrs.)
The first semester of an introductory course in Chinese. Students will learn to speak, read, and write Chinese. Fall semester.

CHI 112 Elementary Chinese II (4 cr. hrs.)
The second semester of an introductory course in Chinese. Students will learn to speak, read, and write Chinese. Spring semester.

CHI 211 Intermediate Chinese I (4 cr. hrs.)
Further practice in speaking, reading, and writing Chinese.

CHI 212 Intermediate Chinese II (4 cr. hrs.)
This course completes the intermediate language sequence in Chinese.
FRENCH

FRE 111 Elementary French I (4 cr. hrs.)
A complete introductory college course in French covering the skills of listening, speaking, reading, and writing French as well as a cultural introduction to Francophone regions. Fall semester.

FRE 112 Elementary French II (4 cr. hrs.)
A continuation of French 111 using the same methods. Prerequisite: FRE 111 or its equivalent. Spring semester.

FRE 114 Accelerated Elementary French (4 cr. hrs.)
An introductory college course in French covering the skills of listening, speaking, reading, and writing French as well as a cultural introduction to Francophone regions. The course covers the same material as FRE 111 and FRE 112 at an accelerated pace for students who have had two or more years of French in high school, but whose placement test scores indicate that they are not adequately prepared to enter FRE 211. Prerequisites: Two years of high school French and recommendation of the Department based on the placement test. Spring semester.

FRE 115 Directed Study (2-4 cr. hrs.)
For special cases only, primarily upper-class or transfer students who need partial credit to finish out the elementary courses, or students who have valid scheduling problems. Prerequisites: the equivalent of 111 and consent of instructor.

FRE 211 Intermediate French I (4 cr. hrs.)
Review of grammar and vocabulary of the beginning level with the addition of new elements and an emphasis on proficiency in the four language skills and culture. Prerequisite: FRE 112 or its equivalent. Fall semester.

FRE 212 Intermediate French II (4 cr. hrs.)
A continuation of French 211 using the same methods. Prerequisite: FRE 211 or its equivalent. Spring semester.

FRE 215 Directed Study (2-4 cr. hrs.)
For special cases only, primarily upper-class or transfer students who need partial credit to finish out the intermediate courses, or students who have valid scheduling problems. Prerequisites: the equivalent of 112 and consent of instructor.

FRE 315 Introduction to French Studies (4 cr. hrs.)
An introductory course to French Studies in which students study at least one cultural and historical period and its cultural products including literature and other artistic expressions. Students learn to study this material, to analyze these cultural products and to present those analyses in essays and oral presentations, skills requisite for the major. Students have a formal advanced grammar review to support accuracy of expression needed for the major. This is an integrated course addressing skills in literature, language, and culture in French. Prerequisite: French 212 or equivalent. Fall semester.

FRE 320 French Studies (4 cr. hrs.)
This course will address various topics related to the history, civilization, and literature of Francophone countries. Prerequisite: Any 300 level French course. May be taken more than once under a different topic. Fall semester every second and third year.

FRE 324 French Novel of the 19th Century (4 cr. hrs.)
An integrated study of the French novel of the 19th century through selected, representative works; supporting study of the historical and cultural context of the 19th century; review of selected grammar and sentence structures; structured opportunities to speak French. Prerequisite: Any 300 level French course. Spring semester, every third year.

FRE 351 French Theatre of the 17th and 20th Centuries (4 cr. hrs.)
An integrated study of French theatrical literature of the 17th and 20th centuries through selected, representative works; supporting study of the historical and cultural context of the 17th century; review of selected grammar and sentence structures; structured opportunities to speak French. Prerequisite: Any 300 level French course. Spring semester, every third year.

FRE 353 French Civilization and Literature (4 cr. hrs.)
A study of the cultural, social, and political climate of France since the 16th century supported by a detailed study of French poetry; review of selected grammar and sentence structure; and opportunities to speak French. Prerequisites: Any 300-level French course. Spring semester, every third year.

FRE 354 20th Century Francophone Novel (4 cr. hrs.)
A detailed study of Francophone novels of the 20th century, with emphasis on issues of writing and maturity into adulthood; review of selected grammar and sentence structures; and opportunities to speak French. Prerequisite: Any 300 level French course. Spring semester, every third year.

FRE 411, 412 Tutorial in French (1-4 cr. hrs.)
Extensive directed study in an area of special interest to the student. The instructor will choose learning activities in collaboration with the student. Assessment will normally include exams, papers, and/or oral presentations. This course is primarily for students who need additional credit hours to fulfill program requirements but are unable to take the regularly scheduled course offering. Prerequisite: FRE 315 or equivalent and consent of the instructor.
FRE 415 French Studies Capstone (4 cr. hrs.)
A seminar requiring the synthesis of skills learned in other classes, including independent reading of a major literary work, literary analysis, cultural and historical knowledge, research, and presentations of individual work in both written and oral formats. Two class sessions with expectations of individual initiative in research, reading, analysis, and development of two papers (literary analysis and history), one oral presentation (culture) and an annotated bibliography on a topic or topics of choice. Prerequisite: 16 credit hours numbered 300 or above. Spring semester.

GREEK

GRK 101 Elementary New Testament Greek I (4 cr. hrs.)
Inflection, syntax, word formation, and vocabulary building are emphasized along with reading simple passages from the Greek New Testament.

GRK 102 Elementary New Testament Greek II (4 cr. hrs.)
Inflection, syntax, word formation, and vocabulary building are emphasized along with reading simple passages from the Greek New Testament.

GRK 103 New Testament Greek (4 cr. hrs.)
The vocabulary, inflection, syntax, and style of Koine Greek is studied as it appears in the literature of the New Testament. The student becomes familiar with the standard grammars, lexicons, dictionaries, commentaries, and other resources to gain competency in reading and interpreting the New Testament. Selected portions of the New Testament exegeted. Offered on demand. This course cannot be used to meet the college’s foreign-language requirement.

GRK 111 Elementary Ancient Greek I (4 cr. hrs.)
Study of classical Greek grammar, vocabulary, and syntax, to enable students to read Greek literature of increasing difficulty.

GRK 112 Elementary Ancient Greek II (4 cr. hrs.)
Continued study of classical Greek grammar, vocabulary, and syntax, to enable students to read Greek literature of increasing difficulty. Prerequisite: Greek 111.

GRK 211 Intermediate Ancient Greek (4 cr. hrs.)
Extensive readings from works of one or more Greek authors, such as Xenophon or Plato, depending on student interests. Prerequisite: Greek 112 or equivalent. Fall semester.

GRK 301: Survey of Greek Literature (4 cr. hrs.)
Reading/translating of unadapted ancient Greek literature, with discussions of its purpose and place in Greek history and culture as well as its influences on later literatures. The author(s) and genre(s) chosen each year will vary, depending on the students’ interests and level of expertise (e.g., Plato, Euripides, Herodotus).

GRK 311-312 Independent Study (1-4 cr. hrs.)
Readings in one or more Greek authors. Offered on demand.

JAPANESE

JPN 111 Elementary Japanese I (4 cr. hrs.)
A complete introductory course in college Japanese. Students learn to speak, read, and write Japanese.

JPN 112 Elementary Japanese II (4 cr. hrs.)
A continuation of JPN 111 with an increased emphasis on reading and writing Japanese.

JPN 211 Intermediate Japanese I (4 cr. hrs.)
Further practice in speaking and reading Japanese. Basic skills in writing Japanese are introduced. Prerequisite: JPN 112 or the equivalent.

JPN 212 Intermediate Japanese II (4 cr. hrs.)
The course completes the intermediate language sequence in Japanese. Prerequisites: JPN 211 or the equivalent.

JPN 350 Tutorial in Japanese (1-4 cr. hrs.)
Extensive directed study in an area of special interest to the student. The instructor will choose learning activities in collaboration with the student. Assessment will normally include exams, papers, and/or oral presentations. Prerequisite: JPN 212 or equivalent and consent of the instructor.

LATIN

LAT 111 Elementary Latin I (4 cr. hrs.)
Inflection, syntax, word formation, and vocabulary building are emphasized. In the application of grammar, translation will move from simple to more complex. (Students with two or more years of high school Latin may not enroll in 111.)

LAT 112 Elementary Latin II (4 cr. hrs.)
Inflection, syntax, word formation, and vocabulary building are emphasized. In the application of grammar, translation will move from simple to more complex.

LAT 114 Accelerated Elementary Latin (4 cr. hrs.)
Inflection, syntax, word formation, and vocabulary building are emphasized. The course covers the same material as LAT 111, 112 at an accelerated pace for students who have had two or more years of Latin in high school, but whose placement test scores indicate that they are not adequately prepared to enter LAT 211. Prerequisite: Two years of high school Latin and recommendation of the department based on the placement test.

LAT 211 Intermediate Latin (4 cr. hrs.)
Builds on a foundation of grammar attained in 111-112 or 114. Extensive reading from the works of one or more Latin authors. Fall semester.
Languages
CONTINUED

LAT 301 Survey of Latin Literature (4 cr. hrs.)
Reading/translating of unadapted Latin literature, with discussions of its purpose and place in Roman history and culture as well as its influences on later literatures. The author(s) and genre(s) chosen each year will vary, depending on the students' interests and level of expertise (e.g., Cicero, Caesar, Vergil, Seneca, Plautus).

LAT 311-312 Independent Study (1-4 cr. hrs.)
Readings in one or more Latin authors. Offered on demand.

SPANISH

SPA 114 Accelerated Elementary Spanish (4 cr. hrs.)
An introductory course in Spanish covering the skills of listening, speaking, reading, and writing Spanish. The course covers the same material as two semesters of elementary Spanish at an accelerated pace. It is designed only for students who have had two or more years of Spanish in high school, but whose placement test scores indicate that they are not adequately prepared to enter SPA 211.

SPA 215 Directed Study (2-4 cr. hrs.)
For special cases only, primarily upper-class or transfer students who need partial credit to finish out the elementary courses, or students who have valid scheduling problems. Prerequisites: the equivalent of Elementary Spanish I and consent of instructor.

SPA 211 Intermediate Spanish I (4 cr. hrs.)
Review of grammar, further practice in conversation and composition, reading from representative Spanish and Spanish-American authors as well as cultural readings, and extensive practice in writing. Prerequisite: SPA 114 or equivalent.

SPA 212: Intermediate Spanish II (4 cr. hrs.)
The second semester intermediate Spanish language course further refines the language skills of conversation and composition through a grammar review and a study of cultural and literary readings from the Hispanic world. Prerequisite: SPA 211 or equivalent.

SPA 215 Directed Study (2-4 cr. hrs.)
For special cases only, primarily upper-class or transfer students who need partial credit to finish out the intermediate courses, or students who have valid scheduling problems. Prerequisites: the equivalent of Elementary Spanish II and consent of instructor.

SPA 306 The U.S. Latina/o Experience (4 cr. hrs.)
This course will trace the history of the Latino/a presence in the United States from the period of Spanish colonization of the New World to the present. The student may examine writings in the disciplines of history, literature, and sociology in order to gain an understanding of the current and historical issues in the Latino/a community. The major questions addressed will be those of identity and the struggle for place, recognition, and justice in the society at large. Course readings and discussions are in Spanish. Prerequisite: SPA 315 or equivalent.

SPA 315 Advanced Oral and Written Spanish (4 cr. hrs.)
This course is designed to refine speaking and writing skills through discussion of topics related to Latin America, the United States and Spain and prepare students for upper level study in Spanish. Students have a formal advanced grammar review to support accuracy of expression needed for the major or minor. This is an integrated course addressing skills in literature, language, and culture in Spanish. Prerequisite: SPA 212 or equivalent.

SPA 323 Spanish Literature (4 cr. hrs.)
An introduction to the study of important literary works within the context of the major political and social developments within Spain, and the great literary movements of Europe. The course will include works from Middle Ages, Golden Age, and 19th Century. Prerequisite: SPA 315 or equivalent.

SPA 324 Spanish-American Literature (4 cr. hrs.)
An introduction to the study of important literary works of Spanish America within the context of the major political and social developments, and the influence of the great literary movements of Europe. The course will focus on the novel, short fiction, and some poetry. Prerequisite: SPA 315 or equivalent.

SPA 329 Hispanic Civilization and Literature (pre 19th Century) (4 cr. hrs.)
An introduction to the literature, history, and cultures of Spain and Spanish America. Major literary works are studied in their historical and cultural contexts. The course focuses on Hispanic civilization and literature before 1800. The course emphasizes writing skills and the development of clarity and accuracy in both written and spoken Spanish. Prerequisite: SPA 315 or equivalent.

SPA 330 Hispanic Civilization and Literature (19th Century-present) (4 cr. hrs.)
An introduction to the literature, history, and cultures of Spain and Spanish America. Major literary works are studied in their historical and cultural contexts. The course focuses on Hispanic civilization and literature of the 19th Century to the present. The course emphasizes writing skills and the development of clarity and accuracy in both written and spoken Spanish. Prerequisite: SPA 315 or equivalent.

SPA 331 Special Topics in Hispanic Literature (4 cr. hrs.)
This is a 300-level literature course that will address various topics related to the history, civilization, and literature of Hispanic countries. This course may be taken more than once under a different topic. Prerequisite: SPA 315 or equivalent.
Languages
CONTINUED

SPA 350 Internship in Spanish (1 cr. hr.)
Spanish majors in their junior or senior year may take an internship for a maximum of one credit hour. The exact nature of the internship experience will be worked out with the Spanish faculty and is subject to approval by the chair of the department. Internship credit may not be applied to credit for the major in Spanish.

SPA 411, 412 Tutorial in Spanish (1-4 cr. hrs.)
Extensive directed study in an area of special interest to the student. The instructor will choose learning activities in collaboration with the student. Assessment will normally include exams, papers, and/or oral presentations. This course is primarily for students who need additional credit hours to fulfill program requirements but are unable to take the regularly scheduled course offering. Prerequisite: SPA 315 or equivalent and the consent of the instructor.

SPA 415 Senior Research Capstone (4 cr. hrs.)
This course is for the student whose major field is Spanish, and is the final course in the major sequence. The focus of the course is on synthesizing knowledge from previous courses into a broad historical and cultural framework. The emphasis of the course will be a major research project that incorporates works read in previous classes into a theme-based paper. Prerequisites: At least 16 hours of 300-level work in Spanish, 8 of which must be on the Jewell campus.

SPA 450 Internship in Spanish (1 cr. hr.)
Spanish majors in their junior or senior year may take an internship for a maximum of one credit hour. The exact nature of the internship experience will be worked out with the Spanish faculty and is subject to approval by the chair of the department. Internship credit may not be applied to credit for the major in Spanish.
Mathematics

Chair of Physics and Mathematics: Professor Patrick Bunton
Assistant Professors: Erin Martin, David McCune and Azadeh Rafizadeh

>> www.jewell.edu/math

Goals for Student Learning

Students graduating with a Bachelor of Arts degree in mathematics will

- have a solid foundation in undergraduate mathematics necessary for lifelong learning in mathematics and areas related to mathematics;
- think critically and creatively as mathematicians;
- develop skills in reading, writing, and presenting mathematical ideas, concepts, and problems;
- be prepared to pursue an enriching career or advanced study; and
- be able to participate in a scholarly community.

The department offers one major and one minor in mathematics. The mathematics major leads to a Bachelor of Arts (BA) degree. A student who selects mathematics as a second major combined with a BS primary major is not required to meet all core requirements for the BA degree. All majors must successfully complete a senior project. For the mathematics and secondary education majors, the student teaching is counted as senior project. For other mathematics majors, the project may be a research project approved by the mathematics faculty or a formal independent study (MAT 490), or the project may be done in conjunction with an upper level course (MAT 301, 335, 347, 410, or 443) with the consent from the instructor at the beginning of the semester. A grade of C- or higher is required in each course for the major.

Students majoring in mathematics may receive certification to teach mathematics in grades 9-12 in the State of Missouri by majoring in both mathematics and secondary education. Procedures to be followed in obtaining teacher certification are included in the Student Handbook for Teacher Certification. Specific course requirements for all certification programs may be found on check sheets available in the Education Department office.

THE MAJOR

MATHEMATICS

Required Courses

MAT 200    Calculus II (4)
MAT 201    Calculus III (4)
MAT 281    Applied Linear Algebra (4)

Three courses selected from the following list:

MAT 301    College Geometry (3)
MAT 305    Introduction to Probability (4)
MAT 320    History of Mathematics (4)
MAT 335    Numerical Analysis (4)
MAT 347    Abstract Algebra (4)
MAT 410    Analysis I (4)
MAT 443    Complex Variables (4)
MAT 451    Advanced Mathematics Seminar (3-4)

An additional MAT elective numbered above 200 (4)

THE MINOR

MATHEMATICS

Required Courses

MAT 200    Calculus II (4)
MAT 201    Calculus III (4)
MAT 281    Applied Linear Algebra (4)
or MAT 202    Differential Equations (4)

One course selected from the following list:

MAT 301    College Geometry (3)
MAT 305    Introduction to Probability (4)
MAT 320    History of Mathematics (4)
MAT 335    Numerical Analysis (4)
MAT 347    Abstract Algebra (4)
MAT 410    Analysis I (4)
MAT 443    Complex Variables (4)

The mathematics minor is open to physics majors, but they must take two of the designated elective courses.
Course Descriptions

MAT 190 Introduction to Computer Science (4 cr. hrs.)
The course is an introduction to computers and computer programming. Key topics include computer machinery and the concepts that make them possible. Topics cover problem specification; program logic, structure, and interfaces; and program implementation, documentation, and testing. The course is recommended for a broad range of audiences and is primarily aimed at students who have no programming experience.

MAT 200 Calculus II (4 cr. hrs.)
A continuation of CTI 104 including further applications and techniques of single variable integral calculus. Prerequisite: CTI 104 or advanced placement.

MAT 201 Calculus III (4 cr. hrs.)
Sequences, series, solid analytic geometry, and multivariate calculus. Prerequisite: MAT 200 or advanced placement.

MAT 202 Differential Equations (4 cr. hrs.)
Ordinary differential equations. Solution of differential equations by operators, power and Fourier series, and Laplace transforms included. Prerequisite: MAT 200.

MAT 281 Applied Linear Algebra (4 cr. hrs.)
Development of the algebra and calculus of matrices, introductory theory of vector spaces and eigenvectors with particular attention to topics that arise in applications. Prerequisite: MAT 201.

MAT 290 Bridge to Advanced Mathematics (4 cr. hrs.)
This course offers a bridge between the calculus sequence and upper-level mathematics. Students will be introduced to first-order and propositional logic, mathematical proof methods, set theory, relations, functions, and cardinality of numbers. Prerequisite: MAT 201.

MAT 301 College Geometry (3 cr. hrs.)
A study of Euclidean geometry, finite geometries, and non-Euclidean geometries. Prerequisites: junior standing or consent of instructor. Prerequisite: MAT 201 or instructor’s consent. Spring semester.

MAT 305 Introduction to Probability (4 cr. hrs.)
An introduction to probability spaces, distribution, and estimation theory with emphasis on model building. Prerequisite: MAT 201. Fall semester.

MAT 320 History of Mathematics (4 cr. hrs.)
A survey of important concepts of mathematics from antiquity to the present, with an emphasis placed on individuals, problems, achievements, scientific viewpoints, and cultural contexts of each historical era. Prerequisite: MAT 281 or MAT 290.

MAT 335 Numerical Analysis (4 cr. hrs.)
A study and analysis of the numerical methods of solving algebraic and transcendental equations, ordinary and partial differential equations in integration, and other mathematically expressed problems. Prerequisite: MAT 202 and MAT 281.

MAT 347 Abstract Algebra (4 cr. hrs.)
An introduction to groups, rings, integral domains, and fields. Course material includes Lagrange’s Theorem, isomorphism theorems, Caley’s Theorem, Sylow’s Theorem, polynomial rings, and ideals. Prerequisite: MAT 281.

MAT 410 Analysis I (4 cr. hrs.)
A rigorous approach to the study of functions, limits, continuity, differentiation, and integration of functions of one and several variables. Prerequisite: MAT 281.

MAT 437 Complex Variables (4 cr. hrs.)
This course is an introduction to the study of complex variables and its applications. Topics studied include: complex numbers, analytic and elementary functions, complex integration and Cauchy’s theorems, sequences, Taylor and Laurent series, residues, and poles. Prerequisites: MAT 202 or MAT 281.

MAT 451 Advanced Mathematics Seminar (1-4 cr. hrs.)
Special topics in advanced mathematics for juniors and seniors to provide advanced study opportunities in analysis, algebra, and applied mathematics.

MAT 490 Independent Study (1-4 cr. hrs.)
Approved on- or off-campus projects in independent research and reading by mathematics majors.
Goals for Student Learning

Graduates of the William Jewell College music program

- perform to a high standard on at least one instrument or voice;
- demonstrate an understanding of common practice and post-tonal theory;
- speak with conviction about the development of music in the western tradition;
- perform in an ensemble setting with a knowledge of how this is different from solo performance;
- demonstrate functional piano skills;
- use with some fluency at least one music-related computer application;
- have an understanding of the business of music; and
- confidently undertake research, making use of available resources.

The music department, an accredited institutional member of the National Association of Schools of Music, offers two music degree programs: the Bachelor of Arts (BA) requiring a minimum of 124 credit hours for graduation, 84 of which are non-music and the Bachelor of Science (BS) requiring a minimum of 124 credit hours for graduation, 64 of which are non-music. Much other important information, including course checklists and details of the recital attendance policy, is described in detail in the Department of Music Handbook, which is available in the Music Office and in electronic form on the department's website.

Any student wishing to major in music must complete an admission audition. All music majors complete the core courses in music. Students who wish to add an area of emphasis and complete a major that leads to the BS degree can do so by seeking the approval of the music faculty and then taking the necessary courses from a list of additional courses offered in the music department. Specific hour requirements may be found in the music handbook.
the following areas of emphasis: church music; music education; music performance; or music theory/composition. (Additional details are given below.) A grade of C- or higher is required in each music course for the major except in music education where a grade of C or higher is required. Specific programs are outlined in the Department of Music Handbook, which is available on request from the Music Office or on the department’s website. All BS music majors must complete a minimum of 64 non-music hours.

The Music major can also be combined with other majors. Students may earn a second major in music by fulfilling the College’s requirements for their first major as well as the requirements of the music core. The student also has the option of earning a second major in music by fulfilling the complete requirements for one of the BS music programs.

As has been stated above, music education certification programs in vocal/choral (K-12) and instrumental (K-12) music are achieved through the BS degree program. Certification in both areas is also available but would be difficult to achieve in four years. Additional information about music education is available from the student’s major advisor, from the Department of Music Handbook, and from the Teacher Education Student Handbook. Procedures to be followed in obtaining teacher certification are included in the Teacher Education Student Handbook. Specific course requirements for all certification programs may be found on check sheets available in the Education Department Office.

**The Music Core**

All majors must complete the classes listed in the music core. Suggested sequencing can be found in the Department of Music Handbook. Normally, lower level courses must be successfully passed before progressing to higher level courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>MUS 109</td>
<td>Introduction to Music Study (0)</td>
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<tr>
<td>MUS 110</td>
<td>Introduction to Music Software (0)</td>
</tr>
<tr>
<td>MUS 120</td>
<td>Music Theory I (3)</td>
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<tr>
<td>MUS 121</td>
<td>Ear Training I (2)</td>
</tr>
<tr>
<td>MUS 122, 132, 222, 232</td>
<td>Four-semester Keyboard Harmony sequence (1 hr. each)</td>
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<tr>
<td>The barrier exam must be passed.</td>
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<tr>
<td>MUS 130</td>
<td>Music Theory II (3)</td>
</tr>
<tr>
<td>MUS 131</td>
<td>Ear Training II (2)</td>
</tr>
<tr>
<td>MUS 220</td>
<td>Structural Forms in Music (2)</td>
</tr>
<tr>
<td>MUS 240</td>
<td>Introduction to Music Literature (2)</td>
</tr>
<tr>
<td>MUS 260</td>
<td>Beginning Conducting (2)</td>
</tr>
<tr>
<td>MUS 340</td>
<td>Post-tonal History/Theory (3)</td>
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<tr>
<td>MUS 341</td>
<td>History of Western Music I (before 1750) (3)</td>
</tr>
<tr>
<td>MUS 342</td>
<td>History of Western Music II (post 1750) (3)</td>
</tr>
<tr>
<td>MUS 399</td>
<td>Half Recital or approved alternative (0-1)</td>
</tr>
<tr>
<td>MUS 400</td>
<td>Introduction to the Business of Music (2)</td>
</tr>
</tbody>
</table>

(Exception for Music Education majors: MUS 400 is a highly recommended elective.)

Applied study in Piano/Organ/Accompaniment (2)
8 semesters of Principal Ensemble (Exception: 7 semesters for Music Education majors and those who study abroad)
4 semesters of Secondary Ensemble
Applied study - 7 semesters at 1 hour each (7), with at least 6 hours in one concentration
Recital attendance (as evidenced by MUS 199 on the transcript)

All music majors must attend a minimum of 60 acceptable recitals, of which at least 10 must be William Jewell student recitals. (Guidelines for what constitutes an “acceptable” recital are in the Music Handbook.) When a student has completed this requirement, MUS 199 will be placed on the transcript. This listing must be on the transcript before a student can complete any music major.

**Additional requirements for the areas of emphasis in the BS majors:**

**Church Music:**
Additional hours of principal applied area (5) or approved alternative

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MUS 209</td>
<td>English and German Diction (1)</td>
</tr>
<tr>
<td>MUS 280 or 281</td>
<td>Handbells (four semesters)</td>
</tr>
<tr>
<td>MUS 344</td>
<td>Christian Hymnody (4)</td>
</tr>
<tr>
<td>MUS 362</td>
<td>Advanced Choral Conducting (2)</td>
</tr>
<tr>
<td>MUS 403</td>
<td>Choral Arranging (2)</td>
</tr>
<tr>
<td>MUS 404</td>
<td>Instrumentation and Instrumental Arranging (2)</td>
</tr>
</tbody>
</table>

Music electives (1-2)
VSE 203 Internship (2)
Music Education:

**Vocal/choral certification:**
Additional hours of applied vocal study (4)*
MUS 209 English and German Diction (1)
MUS 210 Italian and French Diction (1)
MUS 362 Advanced Choral Conducting (2)
MUS 403 Choral Arranging (2)
MUS 441 Choral Literature (2)
MUS/EDU 451 Music Methods in Elementary Schools (2)
MUS/EDU 452 Vocal Music Methods in Secondary Schools (2)
MUS/EDU 462 Choral/vocal techniques (2)
Music electives (2)

*Keyboard majors seeking vocal/choral certification must have a minimum of 5 hours of applied vocal study.

**Instrumental certification:**
Additional hours of applied study in principal area (4)
MUS/EDU 351 Methods in String Instruments (2)
MUS/EDU 352 Methods in Woodwind Instruments (2)
MUS/EDU 353 Methods in Brass & Percussion Instruments (2)
MUS 361 Advanced Instrumental Conducting (2)
MUS 404 Instrumentation and Instrumental Arranging (2)
MUS/EDU 451 Music Methods in Elementary Schools (2)
MUS/EDU 453 Instrumental Methods in the School (2)
Music electives (2)

**Music Performance:**

**Vocalists**
Additional hours of applied vocal study (7)
MUS 209 English and German Diction (1)
MUS 210 Italian and French Diction (1)
MUS 362 Advanced Choral Conducting (2)
MUS 441 Choral Literature (2)
MUS 462 Choral/vocal techniques (2)
MUS 499 Full Recital (0)
Music electives (5)

**Instrumentalists**
Additional hours of applied study in principal area (7)
Pedagogy in principal instrumental area (2)
MUS 361 Advanced Instrumental Conducting (2)
MUS 441 Music Literature (2)
Music electives (5)

**Music Theory/Composition:**
Applied study in composition (minimum of 3 hours)
MUS 402 Composition (2)
MUS 403 Choral Arranging (2)
MUS 404 Instrumentation and Instrumental Arranging (2)
MUS 441 Counterpoint (2)
MUS 499 Composition recital (0) or major theory paper (2-4)
Music electives (2-6)

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**THE MINORS**

**MUSIC**

A Music minor may be especially appropriate for students whose primary majors would make it difficult to pursue a second major in music, for those students who decide to do serious music study rather late in their collegiate careers, and for those students who wish to undertake collegiate music study but who are not considering a full career in music. As shown in the list below, the minor requires 23-24 hours of music study, excluding choral and instrumental/performance lab/ensemble requirements.

**Required Courses**
MUS 120 *Music Theory I* (3)
MUS 121 Ear Training I (2)
MUS 122 Keyboard Harmony I (1)
MUS 130 Music Theory II (3)
MUS 131 Ear Training II (2)
MUS 132 Keyboard Harmony II (1)
MUS 240 Introduction to Music Literature (2)
MUS 341 History of Western Music I (3)
or MUS 342 History of Western Music II (3)
or MUS 441 Music Literature (2)

Applied study for 4 semesters (4)
Four semesters of principal ensemble [No secondary ensemble is required for minors.]
MUS 260 Beginning Conducting (2) or two other elective hours

All music minors must attend a minimum of 15 acceptable recitals, of which at least 3 must be William Jewell student recitals. When a student has completed this requirement, MUS 199 will be placed on the transcript. (Guidelines for what constitutes an “acceptable” recital are in the Music Handbook.) This listing must be on the transcript before a student can complete a minor in music.

**MUSIC INSTRUCTION**

**Private Instruction**
Private instruction indicates private lessons in the performing areas listed below. One half-hour lesson per week plus one hour of practice per day earns one semester hour of credit. All students in private instruction are required to participate in a studio recital each semester. All applied music students will participate in a vocal or instrumental ensemble unless excused by the department chair. The times for music lessons are coordinated through the Music Office, and a fee is charged for all lessons.
Music
CONTINUED

Private study is available on two levels: General (MUS 211 or 212) and Advanced (MUS 411 or 412). Advanced level is considerably more demanding and is required of Performance majors and Music Education majors only. Others may take this level only with permission of the particular applied faculty. Specific requirements may vary among the applied areas. All private lessons may be repeated as desired, using the same number when necessary. The section abbreviation (see list below) indicates the exact area of study.

MUS 211 General Applied Study (1 cr. hr.)
MUS 212 General Applied Study (2 cr. hrs.)
MUS 411 Advanced Applied Study (1 cr. hr.)
MUS 412 Advanced Applied Study (2 cr. hrs.)

Lessons are offered on demand in the following areas:
- Bass Guitar (BG)
- Bassoon (BS)
- Cello (VC)
- Clarinet (CL)
- Classical Guitar (CG)
- Composition (CO)
- Euphonium (EU)
- Flute (FL)
- French Horn (FH)
- Harp (HR)
- Harpsichord (HP)
- Oboe (OB)
- Organ (OR)
- Percussion (PC)
- Piano (PN)
- Saxophone (SX)
- String Bass (SB)
- Trombone (TB)
- Trumpet (TP)
- Tuba (TU)
- Viola (VA)
- Violin (VN)
- Voice (VO)

Class Instruction

Class instruction is available to both majors and non-majors who wish to study piano, voice, or guitar from a very rudimentary starting point. Some of these courses, while not a required part of the Music Core, may be taken to supplement other core studies. A fee is charged for these classes. Offered on demand.

MUS 111C Class Guitar (1 cr. hr.)
Designed for beginners interested in functional guitar. Basic techniques in classical guitar to include major/minor chords, inversions and scales with application of materials used in elementary music. May be repeated using the same number.

MUS 111P Class Piano (1 cr. hr.)
A suggested minimum of four students and a maximum of eight students. Beginning piano through level four. May be repeated using the same number.

MUS 111V Class Voice (1 cr. hr.)
A suggested minimum of four students and a maximum of eight students. Open to all students. Fundamentals of singing, posture, breath control, vocal placement, and vocal literature are introduced. May be repeated using the same number.

Course Descriptions

MUS 109 Introduction to Music Study (0 cr. hr.)
An introduction to the study of music. This course equips the student with skills needed to be successful as an undergraduate Music major. It will introduce the student to research skills, time management skills and give strategies for planning a comprehensive four-year experience. There will also be a component dealing with professional health, performance injuries, and performance anxiety. The course will also discuss possible career choices for the student holding the BA or BS degree in music and explain how to make best use of the undergraduate sequence in order to have the best opportunity of fulfilling those career aspirations. Pass/fail grading. Meets seven weeks of semester.

MUS 110 Introduction to Music Software (0 cr. hr.)
An introduction to the software necessary for successful music study. There are currently a number of high-powered music printing/publishing programs available to musicians. This course offers a complete introduction to one of these. The course will enable students to understand how the program functions and prepare them to potentially use the program throughout their undergraduate career. Pass/fail grading. Meets seven weeks of semester.

MUS 120 Music Theory I (3 cr. hrs.)
An overview of the foundations of music theory and a complete study of diatonic harmony including all diatonic chords and non-chord tones. Study is through analysis, four-part harmony exercises, and practical arranging exercises.

MUS 121 Ear Training I (2 cr. hrs.)
Sight singing and dictation of diatonic scales, intervals, triads, rhythmic groups, harmonic function, and tonal melodies.

MUS 122 Keyboard Skills I (1 cr. hr.)
This course introduces basic piano skills, including familiarity with symbols and terminology, touches, pedaling, sight-reading, harmonization, transposition, improvisation, and playing solo repertoire. Class meets twice weekly.

MUS 130 Music Theory II (3 cr. hrs.)
A study of the principles of chromatic harmony and modulation to closely and distantly related tonalities, with a continuing emphasis on writing and analysis. Prerequisite: MUS 120.

>> www.jewell.edu/music
MUS 131 Ear Training II (2 cr. hrs.)
Sight singing of tonal melodies, canons, and part music in treble, bass, and C-clefs. Dictation of tonal and chromatic melodies, rhythmic groups, harmonic intervals, and two- and four-part harmony. Prerequisite: MUS 121.

MUS 132 Keyboard Skills II (1 cr. hr.)
Second semester keyboard skills course continues focus on harmonization, transposition, improvisation, sight-reading, and solo repertoire. Introduces extended harmonic progressions, major and minor scales, and arpeggios. Class meets twice weekly. Prerequisite: MUS 122.

MUS 199 Recital Attendance (0 cr. hr.)
These recitals expand the student’s knowledge of recital etiquette and offer an opportunity to become familiar with a wide number of musical genres. Occasionally students will provide a written or oral evaluation for some of the recitals they attend. Refer to the statements earlier in this section about requirements of majors and minors for recital attendance. MUS 199 will appear on the transcript only when the student has completed these requirements.

MUS 209 English and German Diction (1 cr. hr.)
MUS 210 Italian and French Diction (1 cr. hr.)
A series of voice diction labs. All voice students will take both courses, although they are available for all other applied students with an interest in the subject matter.

MUS 220 Structural Forms and Analysis (2 cr. hrs.)
A study of form in music. Literature is drawn principally from, but not limited to, the Baroque through Romantic eras. Written analysis of representative works exhibiting the following forms: song form, compound ternary, rondo, sonata-allegro, and concerto will comprise a large part of the second half of the semester. Prerequisite: MUS 130.

MUS 222 Keyboard Skills III (1 cr. hr.)
Third semester keyboard skills course introduces choral and instrumental open score reading, alto clef, art song and choral accompaniment, and hymn playing. Ongoing study of harmonization, transposition, sight-reading, improvisation, and solo repertoire. Class meets twice weekly. Prerequisites: MUS 122, 132.

MUS 232 Keyboard Skills IV (1 cr. hr.)
Fourth semester course emphasizes skills in accompaniment, rehearsal, and classroom applications required for public school teaching and other music professions. Intensive review culminates in piano proficiency examination required of Music majors for graduation. Class meets twice weekly. Prerequisites: MUS 122, 132, 222. For Music majors, a barrier examination (piano proficiency examination) must be passed upon completion of MUS 232 before proceeding to the additional required two hours of applied keyboard study.

MUS 240 Introduction to Music Literature (2 cr. hrs.)
An introduction to the history of western art music. This course provides a foundation for more advanced studies in music history and theory with its presentation of the basic terminology, styles of composition, listening skills, and learning techniques required for successful completion of the music major. Although the course focuses on the Western art music tradition, specifically from the Baroque period through the 20th century, students will be exposed to music representing a broad spectrum of styles and cultures.

MUS 241 Recording Studio Techniques (3 cr. hrs.)
A study and practical application of recording techniques and development of recording skills. Designed to develop competency in electronic audio recording, especially through “hands-on” use of equipment and software.

MUS 260 Beginning Conducting (2 cr. hrs.)
An introduction to the art of conducting. This course covers basic conducting and score study techniques and lays a foundation that may be built upon later in the advanced conducting courses.

MUS 340 Post-Tonal Theory and History (3 cr. hrs.)
A study of the techniques of 20th-century compositions and theoretical investigation of composition styles, such as impressionism, expressionism, serialism, total serialism, Soviet realism, Neo-classicism, indeterminacy, minimalism, mystic minimalism, and electronic music. Each of these will be placed in its historical context. The course also includes a further exploration of non-Western musical traditions building on the work started in MUS 240. Students write a series of analytical essays and are required to write a series of short compositions that exhibit the compositional styles discussed in class. A working knowledge of professional level notation software program is necessary for this course. Prerequisite: MUS 220 or permission of the instructor.

MUS 341 History of Western Music I (before 1750) (3 cr. hrs.)
A survey of the music of Western civilization from ancient times through the Baroque Era. Prerequisite: MUS 240 or approval of instructor.

MUS 342 History of Western Music II (post 1750) (3 cr. hrs.)
A survey of the music of Western civilization from the Classical through late Romantic eras. Study of some non-Western music is included. Prerequisite: MUS 240 or approval of instructor.
MUS 344 Christian Hymnody: A Window into the Bible, Christian History and Theology (4 cr. hrs.)
Using a study of the Psalms and selected Old Testament and New Testament Canticles, the hymns of the early and medieval church, the hymns of the Lutheran Reformation, the psalmody of the Genevan, Scottish and English Reformation movements and the development of English and American hymnody, the course explores the importance of congregational song in biblical understanding, Christian history, and Christian theology and worship. A background in music is not necessary. Also listed as CTI 233. It is recommended that students enrolling for this course be eligible to enroll for level-II CTI courses.

MUS 351 Methods in String Instruments (2 cr. hrs.)
The study of violin, viola, cello, and bass. Teaching techniques for string instruments. Also listed as EDU 351.

MUS 352 Methods in Woodwind Instruments (2 cr. hrs.)
The study of clarinet, flute, oboe, bassoon, and saxophone. Fundamentals of technique, maintenance, and simple repairs. Examination and evaluation of teaching methods. Teaching techniques for woodwind instruments. Also listed as EDU 352.

MUS 353 Methods in Brass and Percussion Instruments (2 cr. hrs.)
The study of trumpet, trombone, euphonium, French horn, tuba, and percussion with emphasis on the teaching of these instruments. Fall semester. Also listed as EDU 353.

MUS 357 Guitar Pedagogy (1-2 cr. hrs.)
A practical study of the techniques of original musical composition for both the instrumental and vocal media. Prerequisite: MUS 240 or 340 and permission of instructor. Students who successfully complete MUS 402 may enroll, with instructor permission, in private applied composition study (MUS 211M CO). While the course number for applied composition study is higher due to the greater intensity of one-on-one directed study.

MUS 377 Piano Pedagogy (2 cr. hrs.)
Study of principles of teaching for individual and class instruction for the beginning to advanced student. Survey of methods and materials. Practical application through observation and supervised teaching.

MUS 379 Guitar Pedagogy (1-2 cr. hrs.)
A study of principles of teaching class and private guitar. Analysis of current methods, repertoire and historical survey. Practical application through observation and supervised teaching. Prerequisites: Guitar Class III or instructor's consent. Offered as needed.

MUS 399 Half Recital (0 cr. hr.)
A varied and appropriately challenging solo recital comprising of 20 minutes of music. The recital program should include at least one small ensemble work. Specific requirement for voice, piano or instrumental recitals can be found in the Music Department Handbook or from the appropriate division directors.

MUS 400 Introduction to the Business of Music (2 cr. hrs.)
This course offers an overview of the various aspects of the business of music. Topics to be explored will include: The United States copyright law, mechanical licensing, contracts in music, careers in music, taxes, budgeting, and time management skills. Students will undertake practical projects that will prepare them to make a living as a musician. Part of the course will include professionals in the music business from various fields (retail music store operations, music therapy, recording industry, public school educator, church music, manufacturer's representative, performer, composer, musical instrument repair, publisher/editor) offering perspectives on how the music business operates. Usually taken in the junior or senior year.

MUS 402 Composition (2 cr. hrs.)
A practical study of the techniques of original musical composition for both the instrumental and vocal media. Prerequisite: MUS 240 or 340 and permission of instructor. Students who successfully complete MUS 402 may enroll, with instructor permission, in private applied composition study (MUS 211M CO). While the course number for applied study is higher than that for the composition class, the demands in applied composition study are higher due to the greater intensity of one-on-one directed study.

MUS 403 Choral Arranging (2 cr. hrs.)
A study of the necessary skills for arranging existing music for choral ensembles with piano accompaniment. The first part of the semester offers short exercises in basic choral arranging techniques. The latter part of the semester is devoted to the production of a number of full choral arrangements that are professionally presented. A working knowledge of a professional music notation software program is necessary for this course. Prerequisite: MUS 130 or permission of instructor.

MUS 375 Opera Workshop (1 cr. hr.)
Study of a selected opera or operetta. The study will include examination of the music and libretto and the effect these elements have on the characterization of each role. Other works and composers that relate to the selected opera will also be examined. Prerequisite: permission of the instructor.

MUS 376 Piano Accompanying (1 cr. hr.)
Piano accompanying techniques for basic vocal and instrumental solos and ensembles. Study will include representative works from contrasting periods of music. Offered on demand.

MUS 378 Advanced Conducting (2 cr. hrs.)
Analysis of current methods, repertoire and historical survey. A study of principles of teaching class and private guitar. Analysis of current methods, repertoire and historical survey. Practical application through observation and supervised teaching. Prerequisites: Guitar Class III or instructor's consent. Offered as needed.

MUS 379 Guitar Pedagogy (1-2 cr. hrs.)
A study of principles of teaching class and private guitar. Analysis of current methods, repertoire and historical survey. Practical application through observation and supervised teaching. Prerequisites: Guitar Class III or instructor's consent. Offered as needed.
MUS 404 Instrumentation and Instrumental Arranging (2 cr. hrs.)
A study of the basic acoustic and timbral properties of wind, string and percussion instruments and of techniques for arranging and orchestrating existing music for a variety of instrumental media. A working knowledge of a professional music notation software program is necessary for this course. Prerequisites: MUS 130 or 240 or permission of instructor.

MUS 441 Music Literature:
Performance Practices and Historical Research (2-4 cr. hrs.)
May be offered as a specialized course in the literature or theory of a specific area, e.g., Choral Literature, Vocal Literature, Piano Literature, Symphonic Literature, Chamber Music, or Eighteenth Century Counterpoint. Prerequisite: permission of instructor. Offered on demand.

MUS 451 Music Methods in the Elementary Schools (2 cr. hrs.)
Methods, materials, and techniques for teaching music in the elementary school. Consent of the instructor. Also listed as EDU 451.

MUS 452 Vocal Music Methods in the Secondary Schools (2 cr. hrs.)
Methods, materials, and techniques for teaching music in grades 7-12. Majors only. Also listed as EDU 452.

MUS 453 Instrumental Methods in the School (2 cr. hrs.)
Methods, materials, and techniques for teaching instrumental music in the public school. Majors only. Also listed as EDU 453.

MUS 462 Choral/Vocal Techniques (2 cr. hrs.)
A study of comparative vocal pedagogy including concepts of vibrato, registers, dynamics, range, breathing, support, tone, placement, resonance, and voice classification. Practical application through observation and supervised teaching. Also listed as EDU 462.

MUS 499 Full Recital (0 cr. hr.)
A varied and appropriately challenging solo recital comprising of 45 minutes of music. The recital program should include at least one small ensemble work. Specific requirement for voice, piano, instrumental, or composition recitals can be found in the Music Department Handbook or from the appropriate division directors.

Performance Labs/Ensembles
A wide variety of performance labs/ensembles is available to qualified students. Performance laboratories (ensembles) are for most students an extension of applied study and/or choral and instrumental techniques classes. Non-music majors are limited to eight hours of lab/ensemble credit toward graduation. The same course number is used when repeating the course. Auditions are usually required. Not all ensembles are offered each semester.

Chamber Organizations
MUS 280 Beginning Handbells (0-1 cr. hr.)
MUS 281 Advanced Handbells (0-1 cr. hr.)
MUS 282 Choral Scholars Ensemble (0-1 cr. hr.)
MUS 283 Vocal Ensemble (0-1 cr. hr.)
MUS 284 Cardinal Brass (0-1 cr. hr.)
MUS 285 Chamber Music (0-1 cr. hr.)
MUS 286 Flute Choir (0-1 cr. hr.)
MUS 287 Woodwind Ensemble (0-1 cr. hr.)
MUS 288 Guitar Ensemble (0-1 cr. hr.)
MUS 289 String/Piano Ensemble (0-1 cr. hr.)
MUS 290 Percussion Ensemble (0-1 cr. hr.)
MUS 291 Jazz Combo (0-1 cr. hr.)
MUS 292 Schola Cantorum (0-1 cr. hr.)
MUS 293 Pep Band (0-1 cr. hr.)
MUS 299 Ensemble Studies (0-1 cr. hr.)

Large Organizations
MUS 380 Chapel Choir (0-1 cr. hr.)
Membership in the Chapel Choir is open to the student body. The choir sings for College chapel services and presents concerts in area churches. Applicable to vocal lab/ensemble requirements for music majors.

MUS 381 Concert Choir (0-1 cr. hr.)
An organization of limited membership selected for tone production and musicianship surveying great choral literature. This organization represents the College in public engagements, makes annual tours and periodic international tours. Its repertoire includes sacred and secular works. Members are selected by audition from the sophomore, junior, and senior classes. Those auditioning should plan to remain in the group for the entire school year. Applicable to vocal lab/ensemble requirements for Music majors.

MUS 382 Symphonic Band (0-1 cr. hr.)
Open to all students by audition, this 60-piece band meets three times weekly. Primarily a concert organization, the band does not march. The group presents area concerts and tours regularly. Applicable to instrumental lab/ensemble requirements for Music majors.

MUS 383 Jazz Band (0-1 cr. hr.)
The Jazz Band offers a creative outlet for the instrumental musician through performance of a variety of jazz literature. The Jazz Band performs concerts on campus and in the Kansas City area. Membership is achieved by audition, subject to fixed stage band instrumentation.

MUS 384 Liberty Symphony Orchestra (0-1 cr. hr.)
This orchestra is open to all students and community musicians as positions are available. The symphony rehearses for a total of 4 hours per week and presents four to six programs per year. Applicable to instrumental lab/ensemble requirements for string music majors.
**College-Wide**

A maximum of four hours of courses numbered under 100 can be counted toward the requirements for graduation.

**COL 93 English as a Second Language (ESL) (1 cr. hr.)**
A course designed to build fluency in listening, speaking, reading, and writing for students whose first or primary language is not English. An assessment exam will be used to tailor course content to students’ needs. Open only to students whose primary language is not English. May be taken twice for credit toward graduation. Elective credit only.

**COL 94 Transition to America (1 cr. hr.)**
A course designed to introduce the American college experience. It is intended to increase classroom learning effectiveness and awareness of college expectations. Students will learn about various studying techniques and college practices. This class will also introduce students to such concepts as cultural differences, cultural belief systems, culture shock, language differences, and multicultural nonverbal messages. Open only to international students. Elective credit only.

**COL 95 Success Skills (1 cr. hr.)**
This course is designed to increase students’ awareness of learning processes and to increase classroom learning effectiveness. Students will learn about various techniques in reading, test taking, time managing, note taking, and studying. The students will be using their best techniques in current courses. Elective credit only.

**COL 96 Efficient Reading (1 cr. hr.)**
A reading course designed for improving college-level reading rate, comprehension, and vocabulary. Emphasis will be on rate improvement; however, techniques will increase concentration and make textbook reading more effective. Elective credit only.

**COL 98 Career Explorations (1 cr. hr.)**
A course designed to build confidence, insight, and skills in career decision making. Career Explorations incorporates a variety of self-assessment tools. The emphasis of the course is placed on exploring oneself in relation to compatible vocations. Time management, class selection, resume preparation, interviewing, and issues pertaining to success in college are also addressed. Enrollment is limited to first-year students and sophomores. Elective credit only.

**COL 99 Academic Composition (2 cr. hrs.)**
This course will prepare students for the standards of written communication expected of a student entering William Jewell. The course will help students develop into college writers, focusing on clear written communication, efficient writing processes, effective online communication, and avoiding plagiarism. Elective credit only.

**COL 220 Study Abroad Orientation (0 cr. hr.)**
Designed to help students prepare themselves for their study through a William Jewell College study abroad program. One weekend session provides context for assigned reading and exam. Included will be academic advising; pre-departure essentials such as information on travel, housing and communication, money, packing, health and safety; policies and procedures; cultural education; panels of former study abroad students. Passing grade required for final admission into a study abroad program. Pass/fail grading. Prerequisite: Acceptance for study through a Jewell study abroad program or interest in applying in the future.

**Geography**

**GEO 304 Economic Geography (4 cr. hrs.)**
This course will provide an understanding of the five themes of geography with a heavy emphasis placed on economics. How and why we teach economics and geography will be an underlying theme as the course unfolds. Potential geographic topics will include: location, place, movement, and regions. Potential economic topics will include political economics, population, resources, transportation, urban land use, and industrial location.

**Independent Study**

**IDS 200, 300, 400 Independent Study (1-8 cr. hrs.)**

**IDS 250, 350, 450 Group Project (1-8 cr. hrs.)**

**Science**

**SCI 101 Integrated Sciences for Elementary Educators (4 cr. hrs.)**
This course is designed to use an integrative approach to introduce pre-service elementary education students to the main aspects of the physical and life sciences and how to integrate these scientific principles into everyday life and events. Students will use an inquiry and problem-solving approach in the course, which includes designing and conducting experiments, seeking out connections among the sciences, and applying what they learn to the elementary school setting. Students will present their findings through written and oral formats.

**SCI 101L Laboratory for Integrated Sciences for Elementary Educators (1 cr. hr.)**
Normally, the lecture and the laboratory sections of the course must be taken simultaneously.
The Department of Nursing grants the Bachelor of Science degree in nursing to traditional students through a five-semester track (for courses in the major). For students who have already completed a Bachelor’s degree in a different field, there are 12-month or 16-month accelerated track (AT) programs. A degree-completion program is also available for students who have an Associate’s degree and certification as an RN but who desire to finish a Bachelor’s degree in nursing.

Hallmark Student Outcomes

Outcomes for graduates who earn a BS in nursing are based on the following six hallmarks:

- **Integrity**: Reflects personal integrity as a nurse professional.
- **Compassion**: Cultivates caring nurse/client relationships with compassion and cultural sensitivity.
- **Scholarship**: Assumes responsibility for lifelong learning within the discipline of nursing.
- **Leadership**: Exemplifies servant leadership in all environments.
- **Excellence in Practice**: Delivers evidence-based nursing of superior quality in varied health environments.
- **Service to Others**: Integrates skills, knowledge, and Christian values in services in service to others.

Mission – To provide an outstanding nursing education, grounded in the liberal arts and inspired by the ideals of Christ, which prepares nurse professionals at the baccalaureate level who exemplify integrity, compassion, scholarship, leadership, excellence in nursing practice, and service to others.

Philosophy – Nursing is the protection, promotion, and optimization of health and abilities, prevention of illness and injury, alleviation of suffering through the diagnosis and treatment of human response, and advocacy in the care of individuals, families, communities, and populations (ANA, 2010). The program is based on a philosophy of nursing as a combination of scientific competence and sensitivity to human needs, with an emphasis on the well-being of the whole person. The faculty emphasizes the responsibility and accountability of the individual learner, the blending of academic and practical knowledge, and the highest degree of professional ethics.

Accreditation – The Department of Nursing is accredited by the Commission on Collegiate Nursing Education, One Dupont Circle, NW, Suite 530, Washington, DC 20036-1120.

Approvals – The Department of Nursing is fully approved by the Missouri State Board of Nursing. In compliance with the Missouri Nurse Practice Act (Chapter 335 of the Missouri Statutes, section 335.066), nursing program applicants should be aware that the Missouri State Board of Nursing may refuse to issue a license for specific reasons related to moral turpitude, intemperate use of alcohol or drugs, or conviction of a crime. Admission to and graduation from the nursing major does not ensure eligibility for state licensure. Any candidate for licensure who has been charged or convicted of a misdemeanor or a felony will be required to submit documentation of the court proceedings for that charge or conviction to the State Board of Nursing of the state in which licensure is sought. The Missouri State Board of Nursing determines who is eligible to take the licensing examination. Questions may be directed to the Missouri State Board of Nursing, 3650 Missouri Blvd, Jefferson City, MO 65102 (573-751-0080). For additional information, see [www.pr.mo.gov/nursing.asp](http://www.pr.mo.gov/nursing.asp).

Background Checks – To ensure that all students in the William Jewell College Nursing Program are well qualified, have a strong potential for success, and comply with the requirement of clinical agencies, background checks are required of all students upon acceptance to the nursing program with results provided to the Compliance Coordinator prior to beginning NUR 232, Physical Examination and Health Assessment. Clinical agencies have the right to request a copy of a student’s background check and may elect to deny admittance to their agency for clinical rotations based on the results of that background check. Unsatisfactory results of the background check may also result in dismissal from the program if the results indicate a threat to safe patient care or if a clinical agency denies a student’s admission to its agency as a result of the background check. Additional background checks may be conducted during the course of participation in the Nursing Program if concern arises regarding student or patient safety.

If there is cause to suspect use of alcohol or other illegal substances within the classroom or clinical setting, completion of a drug test may be required.
Admission to the Nursing Program

Admission to the nursing program requires an application separate from Jewell admission. Please refer to the College website, www.jewell.edu/nursing for admission requirements and prerequisites.

Prerequisite courses must be completed prior to beginning the traditional and AT programs in nursing. Science courses must have been completed within 10 years of the beginning of the program. Pathophysiology (NUR 301), Pharmacology (NUS 242), and Nutrition (NUR 311) can be transferred to meet requirements of the nursing major if they were completed within 5 years of matriculation at Jewell.

As part of the program requirements for the Department of Nursing, students must complete required diagnostic testing at selected points during their course of study. Students are responsible for the cost of the testing.

THE MAJOR

NURSING

The Bachelor of Science degree in nursing requires coursework in liberal arts, leadership, and professional nursing. A student may enter the program (1) as a qualified high school graduate via direct entry or with a declared intent to major in nursing; (2) as a transfer student in the sophomore year; (3) as a degree-completion student who is already certified as an RN; or (4) as a second-degree student in the accelerated track (AT) programs. There is a 12-month AT option beginning each May and a 16-month AT option beginning each January.

Required Courses

NUR 232 Physical Examination and Health Assessment (2)
NUR 232L Nursing Assessment Lab (0)
NUR 242 Pharmacology (3)
NUR 250 Fundamentals of Nursing and Health Care (4)
NUR250L Fundamentals of Nursing Lab (0)
NUR250C Fundamentals of Nursing Clinical (0)
NUR 301 Human Pathophysiology (3)
NUR 311 Nutrition (2)
NUR 312 Nursing Professionalism (2)
NUR 320 Adult Health Nursing (6)
NUR320L Adult Health Nursing Lab (0)
Course Descriptions

Nursing courses must be taken in a prescribed sequence, which can vary depending on the student’s track. Failure to progress in one course may impact progression in the Nursing Program and/or progression in concurrent courses.

NUR 232 Physical Examination and Health Assessment (2 cr. hrs.)
This course includes didactic and laboratory experiences with gathering data, physical examination techniques, and assessment findings. Students will learn basic skills in information technology through documentation in an electronic health record and will complete a final focused assessment clinical simulation. Prerequisites: BMS 243 and lab, CHE 113 and lab, BMS 250 and lab and admission to nursing program. See admission criteria.

NUR 242 Pharmacology (3 cr. hrs.)
This course introduces major drug families and classifications. Students will learn pharmacodynamics, pharmacokinetics, therapeutic uses, adverse reactions, precautions and contraindications, nursing interventions, and client education of selected drugs. Prerequisite: CHE 113 and lab or equivalent.

NUR 250 Fundamentals of Nursing and Health Care (4 cr. hrs.)
This course introduces students to foundational concepts in the discipline of nursing. Laboratory and clinical experiences assist the student in applying basic nursing and assessment skills. Co-requisites: NUR 232 and lab. Prerequisites: BMS 243 and lab, CHE 113 and lab, BMS 250 and lab and admission to the nursing program. See admission criteria.

NUR 260 Independent Study in Nursing (1-6 cr. hrs.)

NUR 301 Human Pathophysiology (3 cr. hrs.)
In this course, students will study fundamentals of human pathophysiological processes and responses. Prerequisites: BMS 243 and lab, BMS 250 and lab, or equivalents.

NUR 311 Nutrition (2 cr. hrs.)
This course is the study of the basic principles of normal nutrition and the application of these principles to the nutritional requirements at various developmental levels. This course is primarily for nursing majors and is taught as an internet-assisted course. Prerequisites: CHE 113 or instructor consent.

NUR 312 Nursing Professionalism (2 cr. hrs.)
This course is designed to promote students’ understanding of, and to encourage socialization into, the discipline of nursing. The nursing student will be exposed to historical perspectives, standards of practice, and current trends within the profession of nursing. Students will begin to develop a philosophy of nursing by evaluating their own values and attitudes in relation to their future profession. This course will build upon leadership theory as the student engages in a variety of self-understanding and assessment exercises, such as a leadership growth plan and a nursing portfolio. Prerequisites: NUR 250, 232 or department consent.

NUR 320 Adult Health Nursing (6 cr. hrs.)
This course builds upon the basic skills and theories in NUR 232, 242, and 250 and provides learning experiences with adult individuals and families. It includes laboratory and clinical experiences. Prerequisites: NUR 232, 242, 250, 301, BMS 126 and lab, BMS 243 and lab, CHE 113 and lab, BMS 250 and lab and admission to nursing program. See admission criteria.

NUR 360 Independent Study in Nursing (1-6 cr. hrs.)

NUR 362 Gerontology Nursing (4 cr. hrs.)
This course will focus on the most current best nursing practice of the aging population. The students will learn the changes of the aging patient, common health problems that occur with the elder population, and global topics such as coping with grief, death and dying, and living options across the continuum of care for elders. Includes clinical experiences applying care to elder patients and their families. Prerequisites: NUR 232, 242, 250, 301, 312, 320, BMS 126 and lab, BMS 243 and lab.

NUR 370 Psychiatric – Mental Health Nursing (4 cr. hrs.)
This course focuses on the psychodynamics of maladaptive behavior and the implementation of the nursing process with clients exhibiting disturbances in behavior. Includes clinical experiences. Prerequisites: PSY 211, NUR 232, 242, 250, 301, 320.
NUR 372 Health Care Research, Theory and Practice (3 cr. hrs.)
This course is an introduction to basic research, theoretical frameworks, and the implementation of the research process through research projects. Prerequisites: NUR 232, 242, 250, 301, 320 or instructor consent. A math course in statistics is recommended.

NUR 380 Community Health Nursing (4 cr. hrs.)
This course uses principles of public health, epidemiology, and environmental science for health promotion and disease prevention. Students will apply the three levels of prevention in a variety of community settings working with individuals, families, aggregates, and populations. Students will learn the components necessary to provide culturally competent nursing care and will apply the nursing process to identified vulnerable culturally diverse populations. Prerequisites: NUR 232, 242, 250, 301, 312, 320, 370, 362, 390.

NUR 390 Family Centered Nursing (6 cr. hrs.)
This course focuses on nursing care of the childbearing family, children, and women throughout the lifespan. Biological, genetic, developmental, spiritual, cultural, and social frameworks of the individual within the family system will be discussed. Includes clinical experiences and the application of technology and information management tools to support safe processes of care. Prerequisites: NUR 232, 242, 250, 301, 320.

NUR 422 Special Topics in Nursing (2 cr. hrs.)
This course provides an in-depth discussion of current nursing topics. Examples of recent topics include core content analysis, global health, and faith community nursing. Offered on an infrequent basis. Instructor consent.

NUR 460 Independent Study in Nursing (1-6 cr. hrs.)

NUR 470 Critical Care Nursing (4 cr. hrs.)
This course focuses on management of critical health states with an emphasis on individuals and families with complex health care problems in a critical care setting. Includes laboratory and clinical experiences. Prerequisites: NUR 232, 242, 250, 301, 311, 320, 362, 370, 372, 390.

NUR 480 Application of Management Concepts (4 cr. hrs.)
This course focuses on the management of patient care within acute care and chronic care settings. Prerequisites: NUR 232, 242, 250, 301, 311, 320, 362, 370, 372, 390. NUR 380 is a corequisite for AT students.

NUR 490 Leadership (4 cr. hrs.)
This course is designed as a capstone experience in the transformation of the senior nursing student to the role of a nurse professional. Includes clinical experiences. Prerequisites: NUR 232, 242, 250, 301, 311, 320, 362, 370, 372, 390.

>> www.jewell.edu/nursing
Kenneth Alpern, Senior Tutor and Professor of Philosophy

>> [www.jewell.edu/oxbridge](http://www.jewell.edu/oxbridge)

**Goals for Student Learning**

The outcome of The Oxbridge Honors Program at William Jewell College is a widely read, articulate individual who can evaluate conflicting evidence, make a convincing case in writing, defend it orally, and who can synthesize and integrate material from a wide variety of sources.

More specifically, a student completing The Oxbridge Honors Program shall have the following attainments and abilities to a degree expressive of a strong honors program:

- knowledge of a major subject area;
- read with sophisticated understanding;
- write with clarity of expression and coherence in organization, with excellent mechanics;
- articulate thoughts clearly and coherently in oral discussion;
- think critically, with sophistication in analysis and evaluation, making connections and drawing conclusions, informed by solid scholarship;
- think independently; and
- take responsibility for his/her own learning.

Thus, a student completing The Oxbridge Honors Program should be in position to exercise intellectual leadership over a lifetime of learning.
THE MAJORS
HISTORY
HISTORY OF IDEAS
INSTITUTIONS AND POLICY
LITERATURE AND THEORY
MUSIC
SCIENCE: MOLECULAR BIOLOGY

Course Descriptions

OXA 100 Introductory Seminar (4 cr. hrs.)
An introduction to reading, interpretation, critical analysis, writing, and discussion at the college honors level and in preparation for tutorial study. The subject matter may vary, but students will in all cases be engaged intensively, with significant critical analysis and writing. OXA 100 may substitute for CTI 102 in the College’s core curriculum. Prerequisite: acceptance into the Oxbridge Honors Program. Successful completion of the seminar is a prerequisite to tutorial study.

OXA 450 Senior Revisions (1-2 cr. hrs.)
Independent reading by seniors in preparation for comprehensive exams — in Oxford or Cambridge terms, “revising” for examinations. The Coordinator of the Oxbridge major will approve the list of readings to be undertaken and will determine with the student what writing will be appropriate. Examples of writing assignments might include essays, annotated bibliographies, journals, or other assignments. Prerequisite: Good standing as a senior in an Oxbridge major.

Tutorial Credits
Following the tutorial title, the number in the first set of parentheses indicates the credits that will be awarded following completion of the course. The number in the second set of parentheses indicates the total credits that are earned upon successful completion of comprehensive exams.

Full credit for a tutorial, including a tutorial taken in England in the major subject, is achieved only when the collection or comprehensive examination; the first number indicates the credits earned by tutorial participation and syllabus activities alone. A student who for any reason, including transfer out of the college or withdrawal from the program, satisfactorily finishes syllabus assignments and participates in tutorial sessions but does not finish the work of the tutorial by satisfactory performance on the collection or examination will have earned only the first number of credit hours shown. Prerequisite: A tutorial must be related to the comprehensive examination fields of a student’s Oxbridge major.

Tutorials in History
Elaine Reynolds, Oxbridge Professor of History, Coordinator of the major

Required for the Major
HIS 103 (4) and 104 (4) or demonstrated competence in World History
HIS 121 (4) and 122 (4) or demonstrated competence in U.S. History
HIS 400 (4)
A minimum of 44 hours in OXH tutorials, including OXH 495. Junior year studies – arranged in consultation with the Coordinator of the major
Comprehensive Examinations (taken in conjunction with History Synthesis)
Consult the Oxbridge Handbook for additional requirements.

A detailed survey of antebellum American history (1787-1860), concentrating on government, politics, and economics.

A detailed survey of antebellum American history (1787-1860), concentrating on American society, culture, and thought.

OXH 115/215/415 Cives et Civitas: Citizenry and the Roman State, 287-17 B.C.E (2 cr. hrs.) (4)
This tutorial examines the idea and the practice of citizenship in the Roman world, from the passage of the Lex Hortensia to the establishment of the Principate. Discussion/essay topics include the ordinary citizen’s rights and obligations (military, fiscal, electoral, legislative, judicial, and sacral munera), the differing munera of female citizens, the attractions of Roman citizenship for the people of Italy and the Roman empire and the political changes initiated by Augustus which affected the nature and value of Roman citizenship. Readings include selections from different types of primary sources as well as modern interpretations.
OXH 116/216/416 Arete: the Shaping of Greek Societies, 776-338 B.C.E. (2 cr. hrs.) (4)
This tutorial examines the writings of and about Greek societies in various periods to ascertain their varying definitions of excellence (Greek arete) and the success of these societies in instilling appreciation for and permitting or encouraging demonstration of such excellence.

OXH 140/240/440 The Urban Experience in America (2 cr. hrs.) (4)
A detailed examination of major topics relating to the city in American history from colonial times to present. Heavy emphasis is placed on the development of the urban interpretation of American history and the rise of urban history as a distinct subfield within the discipline of history. Unique problems adherent to city building and urban life are analyzed as is the city's continuing contribution to and dominance of American institutions.

OXH 160/260/460 Politics and Society in Eighteenth-Century Britain (2 cr. hrs.) (4)
Examines the issues and events of 18th-century British politics from the Glorious Revolution of 1688 to the French Revolution of 1789. In between, examines topics such as the growth of political parties, the rise of Cabinet government, the nature of aristocratic society, the impact of King George III, the Stamp Act crisis, the importance of London and its politics, and the rise of radicalism. An emphasis is also placed on examining the changing views of historians in regard to these crucial topics in British history.

OXH 165/265/465 The Old Regime and Revolutionary France, 1770-1815 (2 cr. hrs.) (4)
This course looks at the basic political, social, economic and cultural institutions of France and how they helped give rise to and were changed by the French Revolution. The Revolution is one of the pivotal events in the development of modern European politics, society, and thought. Topics examined include the origins of the Revolution, the impact of liberal thought on the course of the Revolution, the Reign of Terror, counterrevolution, Napoleon and his empire, and the historiography of the Revolution. Readings are in English, but there are plenty of opportunities for those with superior French reading skills to make use of them.

OXH 175/275/475 Politics and Society in Victorian Britain (2 cr. hrs.) (4)
Highlights of British history in the 19th century, including industrialization, political, and constitutional change, the emergence of class society, and imperialism.

OXH 180/280 Survey of United States History (2 cr. hrs.) (4)
An intensive survey of the American experience from the colonial era to the present. It introduces the student to and cultivates a solid understanding of major topics in American history and the basic interpretations of those topics which historians have propounded over the years. Designed specifically for the Oxbridge history student with little background in U.S. history.

OXH 490 Thesis (2 cr. hrs.) (4)
This tutorial provides a structure for a final thesis project which Oxbridge history majors must pursue. It introduces students to the methods of research used by professional historians in their study. It also provides a flexible framework for students to use such methods in a project upon which they and their advisor agree.

OXH 495 History Synthesis (2 cr. hrs.) (4)
This Synthesis Tutorial is designed to bring together the student's Oxbridge experience in preparation for comprehensive examinations.

Tutorials in History of Ideas
Elizabeth Sperry, Professor of Philosophy, Coordinator of the major

Required for the Major
PHI 202 Ethics (4)
PHI 215 History of Western Philosophy I (4)
PHI 216 History of Western Philosophy II (4)
A minimum of 44 hours in OXQ tutorials, including the following:
  OXQ 119 Moral Psychology
  OXQ 214 Moral Epistemology
  OXQ 220 Social and Political Philosophy
  OXQ 423 Integration/Critique
  OXQ 495 History of Ideas Synthesis
Junior-year studies – arranged in consultation with the Coordinator of the major
Comprehensive Examinations (taken in conjunction with History of Ideas Synthesis)
Consult the Oxbridge Handbook for additional requirements.

OXQ 114/214/414 Moral Epistemology (2 cr. hrs.) (4)
This tutorial asks students to consider the source of our moral judgments, and the ways in which moral theory itself is shaped by our access to knowledge. To what extent do skepticism and relativism undermine the possibility of moral knowledge? Is moral knowledge attained through foundationalist or coherentist methods? Can it be patterned on natural science and scientific knowledge? Does the possibility that morality is socially constructed enhance or impair moral knowledge?
OXQ 115/215/415 Job (2 cr. hrs.) (4)
This tutorial concerns the book of Job's enduring and often interpreted perspectives upon the nature of God and humankind, and their complex relationship to each other, especially as that relationship is complicated by the suffering of humankind. The book of Job is examined from the perspectives of two major historical epochs, pre-modern and modern. In the pre-modern period, essays address ancient Near Eastern, Biblical, Hellenistic Jewish and Early Christian, and Medieval Jewish and Christian perspectives. In the modern period, essays address historicocritical and literary interpretations of the book. The primary texts the tutorial treats include The Sumerian Job; The Babylonian Job; Biblical Job; The Testament of Job; Targum Job, and J.B. (MacLeish).

OXQ 119/219/419 Moral Psychology (2 cr. hrs.) (4)
This tutorial provides an understanding of the issues of moral psychology and the good, and of classical and, to a lesser extent, modern approaches to these issues. The tutorial examines intensively the most important canonical classical text, Aristotle's Nicomachean Ethics, with attention to ancillary texts of Aristotle and to secondary exegetical and critical literature on Aristotle's concept of moral psychology and the good. Modern approaches will address selective modern approaches in dialogue with Aristotle.

OXQ 120/220/420 Social and Political Philosophy (2 cr. hrs.) (4)
This tutorial addresses traditional issues in social and political philosophy such as the nature and value of justice, equality, authority and individuality, power, and community. Readings will be from classical and contemporary sources such as Aristotle, Hobbes, Mill, Hobhouse, Rawls, Nozick, Sandel, and Sen.

OXQ 423 Integration/Critique (2 cr. hrs.) (4)
This tutorial integrates students' studies in the major, addressing ways in which themes of ethics (theory and specific issues of individual good and justice) and moral epistemology intertwine in the Western tradition and to critique that tradition.

OXQ 495 History of Ideas Synthesis (2 cr. hrs.) (4)
This tutorial integrates work in the distinct parts of the program, especially work in England, and prepares students for comprehensive examinations.

Tutorials in Institutions and Policy
Michael Cook, Boatwright Professor of Economics, Coordinator of the major

Required for the Major
A minimum of 44 hours in OXI tutorials, including OXI 495. Junior-year studies – arranged in consultation with the Coordinator of the major
Comprehensive Examinations (taken in conjunction with Institutions & Policy Synthesis)
Consult the Oxbridge Handbook for additional requirements.

OXI 111/211/411 Moral Theory (2 cr. hrs.) (4)
An examination of the enduring concepts and principles of moral philosophy and an application of them to arriving at reasonable judgments concerning timely moral issues.

OXI 112/212/412 Moral Issues (2 cr. hrs.) (4)
An intensive reading of, and preparing essays on, the classical and contemporary works that are well established as the most valuable for articulating moral issues and for evaluating the arguments in support of positions on them. A probing study of, and the development of moral positions on, the most timely moral issues.

OXI 121/221/421 Classical Political Economy (2 cr. hrs.) (4)
The tutorial examines the economic writings of Adam Smith, David Ricardo, Thomas Malthus, John Stuart Mill and Karl Marx.

OXI 180/280/480 Modern Political Philosophy (2 cr. hrs.) (4)
An examination of modern Western political philosophy from the 16th century through the end of the 19th century. Students will undertake an intensive study of the seminal works of such thinkers as Machiavelli, Hobbes, Locke, Rousseau, Marx, and Mill. An attempt will be made to understand their ideas within the broader context of the social, political, and economic institutions and beliefs of their respective societies. Students will also reflect on the relevance of those ideas for our time.

OXI 260/460 History of American Law (2 cr. hrs.) (4)
A survey of the history of law in America from settlement to today, focusing on its development in the context of the society it was meant to serve.
**Oxbridge**

CONTINUED

**OXI 271/471 Modern Russian Politics**  (2 cr. hrs.)  (4)
Russian politics today is a product not only of historical forces, but of specific decisions made by political leaders in moments of great uncertainty, stress, and crisis. The results have been mixed. Is the glass of democratic progress and modern economic development half full or half empty? This tutorial will explore this question and will acquaint the student with some of the key structures and forces driving Russian political development today. In so doing, the tutorial will also shed light on the crucial role that the state plays in modern societies.

**OXI 275/475 International Regimes: Alternatives to Anarchy in International Relations?**  (2 cr. hrs.)  (4)
This course will examine the construction, maintenance, and atrophy of international “regimes” within an anarchic international order. International regimes are institutionalized rules and procedures for the management of global policy problems. The course will survey crucial regimes such as Article 2(4) of the UN Charter (on the use of force), the Missile Technology Control Regime, the Law of the Seabed, and Human Rights Law. The course will pay special attention to theoretical arguments surrounding regimes, especially the debates about the impact of the relative decline of the USA on international order.

**OXI 423 Modern Macroeconomic Thought**  (2 cr. hrs.)  (4)
Students will write essays on seven major schools of macroeconomic thought. They will begin by studying classical theory and Keynesian theory because these theories are the foundations from which more recent schools derive. Students will examine some attempts to integrate these two theories as well as schools that more fully develop each of these theories.

**OXI 424 Modern Microeconomic Thought: Theory of the Firm**  (2 cr. hrs.)  (4)
This tutorial is focused on the behavior of individual economic entities including the consumer, entrepreneur, firm, and industry. The focus is with such economic properties/considerations as efficiency, innovation, competition, profit-maximization, and fairness. Prerequisite: Senior status in the Oxbridge Institutions and Policy major.

**OXI 490 Thesis**  (2 cr. hrs.)  (4)
This tutorial provides an opportunity to acquire research skills. Students will learn how to use various types of library resources, how to use an outline to organize a lengthy research paper, and how to write such a paper.

**OXI 495 Institutions and Policy Synthesis**  (2 cr. hrs.)  (4)
The tutorial will help prepare students for their comprehensive examinations.

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**Tutorials in Literature and Theory**

*Mark Walters, Professor of English, Coordinator of the major*

**Required for the Major**

**OXI 106 Introduction to Contemporary Critical Theory**  (4 cr. hrs.)
This non-tutorial course introduces students to contemporary critical theory – the critical perspective and methodologies that inform current literary study. It is a corequisite of the first OXI tutorial course taken by a student exploring or entering the Oxbridge Literature and Theory major. Prerequisites: successful completion of OXA 100, concurrent enrollment in an OXE tutorial course.

**OXI 110 British Literature**  (2 cr. hrs.)  (4)
This tutorial examines significant works of English literature from medieval to modern periods through a range of critical approaches and within their historical and cultural contexts.

**OXI 165/265/465 English Literature before 1500**  (2 cr. hrs.)  (4)
A study of various genres of medieval literature (allegory, drama, dream vision, elegy, epic, lyric, romance, satire) and of relevant aspects of the history of the period and how it influenced the subject matter and tone of representative works. Students will understand this literary period as a continuum which encompasses language, imagery, motifs, symbolism, themes, and structure.

**OXI 181/281/481 The Novels of the Bronte Sisters**  (2 cr. hrs.)  (4)
A reading, analysis, and synthesis of the major prose works of the three Brontë sisters. Addresses the important scholarly issues, both biographical and critical, related to the Brontë sisters and their novels. Students will discuss the extent to which and the manner in which the Brontës both collaborated with each other and revised each others’ novels in their own works.

**OXI 220 United States Literature**  (2 cr. hrs.)  (4)
This tutorial examines canonical United States literary works from colonial to contemporary periods, interpreting these texts through a range of critical methodologies and attempting to discern significant movements and trends and aesthetic and technical developments that derive from and are influenced by particular historical contexts.
OXE 241  Global Literatures and Theory  (2 cr. hrs.) (4)
This tutorial is a rigorous theoretical inquiry into global literatures in English translation, with an emphasis on literatures emanating from colonized and/or formerly colonized societies. In the course of its inquiries into global literatures, the tutorial engages in a sustained examination of contemporary theories and debates of the “global,” “post-coloniality,” and “empire.” The course, therefore, examines theoretical debates on – as well as the literary and aesthetic conventions and strategies through which global literatures map and re-map – questions of the nation, empire, (anti-)colonialism, “post-colonialism,” national struggle, history, decolonization, the post- or trans-nationality, imperialism, identity, hybridity, otherness and sub-alterity, race, class, gender, the cultural politics of representation, power relations, and the emerging “global” culture and social and economic relations.

OXE 260/460 Medieval Devotional Literature  (2 cr. hrs.) (4)
Medieval devotional literature from the Old English “Dream of the Rood” to the late Middle English morality play Everyman. Analysis of devotional poetry, prose, and drama in terms of subjects, themes, images, and purpose; emphasis on English literature, but some consideration of works by continental writers; comparison and contrast of various types of piety; discussion of the social framework; some sessions devoted to the study of paleography.

OXE 489  Advanced Critical Theory  (2 cr. hrs.) (4)
This tutorial undertakes rigorous, critical, and comparative examination of critical literary and cultural theory – that is, diverse conceptual methods of reading, interpreting, and analyzing literary and cultural texts. Students will analyze and critically compare diverse frames of reading and analysis in a range of primary theoretical texts in, for example, liberal humanism, new criticism, new historicism, psychoanalysis, post-structuralism, feminism, Marxism, cultural materialism, transnationalism, cyber theories … . The tutorial places emphasis of critical and comparative examination of concepts that have become significant in contemporary critical theory: “theory,” “representation,” “author/ity,” “reading,” “pleasure,” “critique,” “discourse,” “ideology,” “culture,” “material reality,” “difference,” “alterity,” “supplementarity,” the “virtual,” “race,” “gender,” “class,” “aesthetics,” “politics,” … . In doing so, it addresses the cultural and conceptual assumptions of diverse theories, the historical conditions within which diverse theories have emerged, and the social consequences of different and conflicting modes of reading literature and culture.

OXE 490 Thesis  (2 cr. hrs.) (4)
The thesis tutorial allows a student to pursue research into a literary topic of particular interest and to complete either a substantial research paper on that topic or two drafts of an honors project paper.

OXE 495 Literature and Theory Synthesis  (2 cr. hrs.) (4)
Revisions for the comprehensive examinations. Intensive reading and rereading, writing of examination-style essays.

Tutorials in Music
Ron Witzke, Professor of Music, Coordinator of the major

Required for the Major
MUS 120 Music Theory I (3)
MUS 130 Music Theory II (3)
MUS 199 – Recital Attendance (0)
MUS 220 Structural Forms in Music (2)
MUS 260 Beginning Conducting (2)
MUS 340 Post-Tonal Theory and History (3) or demonstrated competence
Keyboard, sight-singing and dictation proficiency – to meet departmental requirements
Applied study: At least 1 hour per semester during the first year; 2 hours per semester thereafter
A minimum of five semesters’ participation in ensembles
A minimum of 44 hours in OXM tutorials, including OXM 490 and 495.
Junior-year studies – arranged in consultation with the Coordinator of the major
Comprehensive Examinations (taken in conjunction with Music Synthesis)
Consult the Oxbridge Handbook for additional requirements.

OXM 223/423 The Operas of Mozart  (2 cr. hrs.) (4)
This tutorial will investigate the ways in which Mozart responded to the changes around him through his compositions of one particular genre–opera. By studying the thematic material, musical devices, cultural settings, vocal and instrumental styles the tutorial will reveal the elements of the classical style that are critical for understanding music history from that time forward.

OXM 224/424 Musical Modernism, 1880-1930  (2 cr. hrs.) (4)
This tutorial will investigate the broad Modernist aesthetic between 1880 and 1930 and consider important composers and their contributions to this movement.

OXM 231/431 Instrumental Conducting  (2 cr. hrs.) (4)
Instrumental conducting in theory and practice: a technical, historical, and practical basis for the development of the instrumental conductor.
Oxbridge
CONTINUED

OXM 232 Advanced Musical Analysis (2 cr. hrs.) (4)
This course introduces the students to three actively used advanced systems for musical analysis. These are studied in detail during the first nine weeks of the tutorial and weekly analysis assignments that offer practical application of texts read will form the basis of these weeks. The latter part of the tutorial is spent developing and writing a number of shorter, or one longer, analysis project that will employ the systems studied in the first part of the tutorial. This tutorial should be preceded by MUS 120 and 130 and is therefore more effectively taken in the second semester of the sophomore year or the first semester of the senior year.

OXM 240/440 Symphonic Literature (2 cr. hrs.) (4)
Study of significant orchestral literature, organized by historical periods. The student will examine the music (through the use of scores and recordings), investigate musical performance and style, relate the musical life of the day with the historical period, and examine the life and works of selected composers.

OXM 250/450 Choral Conducting (2 cr. hrs.) (4)
A tutorial based upon the acquisition of choral conducting skill and techniques, including gesture; vocal and choral tone; diction; rehearsal procedures; score study; and performance practice. Rehearsal and performance opportunities with campus ensembles are included.

OXM 270/470 Musical Composition (2 cr. hrs.) (4)
This tutorial is designed to offer students in the Oxbridge Music program structured and supervised opportunity for the composition and arrangement of significant musical works.

OXM 280/480 Romantic Pianism and Its Rules (2 cr. hrs.) (4)
This course combines the disciplines of musicology and cultural history in investigating a specific repertoire of piano music, the great piano literature of the Romantic composers. The musicological approach to be used in this tutorial will be that of music criticism, which aims to integrate musical analysis with historical and biographical details, to achieve an aesthetic appreciation for the repertoire under consideration. Concurrent with the musical discipline, which will address the subject from the perspective of artistic expression, the tutorial will study the Romantic movement through the perspective of the cultural development of a major civilization, with particular emphasis on the cultural history of the period under review.

OXM 324 American Classical Music c1900 – Present (2 cr. hrs.) (4)
The Western European model of art music proved irresistible to many of America’s most creative composers, but unlike most European composers, Americans faced many daunting challenges to propagation, acceptance, and performance of their music. This tutorial will examine the ways in which classically trained American musicians dealt with the complexities and challenges of American cultural identity in the 20th century.

OXM 490 Thesis (2 cr. hrs.) (4)
This tutorial provides structure for a final project in the individual student’s music Oxbridge specialty. Normally, students in a performance, conducting or composition specialty will research supportive material while preparing for a full-length senior recital or the equivalent, while those students in a music history or church music specialty will research material leading to the writing of an undergraduate thesis in the specialty area.

OXM 495 Music Synthesis (2 cr. hrs.) (4)
This tutorial is designed as the capstone course in the Oxbridge music program. Its primary goal is to help the student relate and consolidate the areas of music theory, history, literature, and performance. In addition to synthesizing the material presented in the tutorials, it will also serve as a program of preparation for the comprehensive examinations in the program.

Tutorials in Science:
Molecular Biology
Tara Allen, Professor and Chair of Biology, Coordinator of the major

Required for the Major
CTI 104 Applied Calculus and Statistics (4)
[MAT 200, Calculus II, is strongly recommended.]
BIO 133 and BIO 133L Evolution and Ecology with lab (5)
CHE 122 and 122L General Chemistry II with lab (5)
CHE 301 and 301L Organic Chemistry I with lab (5)
CHE 302 and 302L Organic Chemistry II with lab (5)
PHY 111 and 111L College Physics I with lab (5)
PHY 112 and 112L College Physics II with lab (5)
Biology elective (3)
All of the OXS tutorials and labs listed below, with the exception of OXS 211
Junior Year Studies – arranged in consultation with the Coordinator of the major
Comprehensive Examinations (taken in conjunction with Molecular Biology Synthesis)
Consult the Oxbridge Handbook for additional requirements.
OXS 100 Cell and Molecular Biology: An Introduction (2 cr. hrs.) (4)
As an introduction to the study of the molecular biology of the cell, this tutorial will include a brief history of cell and molecular biology, a comparison of prokaryotic and eukaryotic cells, and an in-depth study of cellular evolution. The accompanying laboratory experience is designed to develop laboratory and analytical skills and to illustrate the topics explored during tutorial sessions. This tutorial requires a knowledge of first-year college-level chemistry.

OXS 100L Laboratory for Cell and Molecular Biology (1 cr. hr.)

OXS 211 Evolution (2 cr. hrs.) (4)
An introduction to the theory of evolution. Each student will explore some of the literature that has led to our current understanding of evolution. Darwin's essay “The Origin of Species” will be referred to throughout the semester to compare with more contemporary thoughts on biogeography, selection, and the rate at which evolution occurs. Other topics to be explored are: Hardy-Weinburg equilibrium, adaptive radiation, species and speciation, and co-evolution. Students will define an evolutionary problem to explore through the semester with a research proposal and present the results of that investigation in the form of a written lab report.

OXS 247 Protein Structure and Function (2 cr. hrs.) (4)
Protein Structure and Function is an in-depth survey of proteins. The tutorial covers structural visualization techniques, structural determination techniques, common secondary, tertiary and quaternary arrangements, the function of cofactors, and protein folding. The conversations will be directed toward addressing the following major question: “Just what makes the ‘Native’ state of protein in its natural cellular environment?” The laboratory section of the tutorial will cover techniques of protein purification, two-dimensional protein gels, denaturation/renaturation, and visualizing protein structure using the molecular modeling program Chimera. Students will get a broad overview of laboratory techniques regarding how to monitor protein/protein interactions (CD, UV/Vis Spectroscopy, Raman Spectroscopy, NMR, X-ray Crystallography, Electron Microscopy, FRET, Chemical Crosslinking).

OXS 247L Laboratory for Protein Structure and Function (1 cr. hr.)

OXS 250 Genes (2 cr. hrs.) (4)
This is a comprehensive, in-depth study of prokaryotic and eukaryotic genes through the use of textual material, primary and secondary sources, and problem sets. The tutorial covers the structure, function, regulation and manipulation of genes, as well as genomic analysis of DNA. The laboratory component exposes the student to the fundamental molecular genetic techniques such as molecular cloning, mutagenesis, and gene expression. Introductory level of cell and molecular biology is prerequisite.

OXS 250L Genes Laboratory (1 cr. hr.)

OXS 281 Research Methodology I (1 cr. hr.)
OXS 282 Research Methodology II (1 cr. hr.)
Students pursue investigation of an independent laboratory project under the mentorship of an Oxbridge Science tutor in order to master laboratory techniques needed for their senior research project. At the end of the semester they will write a lab report in standard scientific journal paper format.

OXS 430 Molecular Biology of the Cell: Cellular Membranes (2 cr. hrs.) (4)
The student will probe the nature of cellular membranes. This will include intensive studies of structures and the functions those structures support. The student will do extensive reading about, write weekly essays, and complete problem sets on several cellular membranes (plasma, nuclear, mitochondrial, etc.).

OXS 465 Biochemistry of Macromolecules (2 cr. hrs.) (4)
In this tutorial the student will analyze the relationship between the structures of macro-molecules and their biochemical functions. Special emphasis will be given to the structure and function of proteins and their corresponding interaction with lipids, carbohydrates, and nucleic acids. Primary and secondary literature sources, assigned essays, problem sets, and computer model illustration of molecular structures will be used to facilitate the student’s learning experience. Prerequisite: Oxbridge Science Senior status.
Oxbridge CONTINUED

OXS 481 Research I (1 cr. hr.)
OXS 482 Research II (1 cr. hr.)
The student will design and carry out a research project which culminates in both written and oral presentation of the results.

OXS 495 Molecular Biology Synthesis (2 cr. hrs.) (4)
The framework provides a structure for the student to organize and synthesize concepts learned throughout the molecular Oxbridge tutorial and independent study, in preparation for comprehensive examinations.
Goals for Student Learning

Students who graduate with a major in philosophy will

- know the classical answers given to central human questions (What is the meaning of life? How should we behave? What makes a society just? Can God’s existence be proven? Can we ever prove anything? etc.);
- understand the major philosophical movements and thinkers in Western philosophy;
- isolate the conceptual presuppositions underlying their own and others’ intellectual commitments;
- critically analyze the strengths and weaknesses of arguments, and apply the basic rules of formal logic; and
- write research papers explaining and assessing competing approaches to philosophical controversies.

THE MAJOR

PHILOSOPHY

Only four of the required hours may be completed at another institution, except with special permission in advance from the department chair. PHI 201 must be taken as a first-year student or sophomore to count toward the required 32 hours for the major. Courses in philosophy that are more than 10 years old will not normally count toward the major or minor. Those completing a second major in philosophy must complete all requirements for the bachelor of arts degree.

Required Courses

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHI 202</td>
<td>Ethics</td>
<td>4</td>
</tr>
<tr>
<td>PHI 215</td>
<td>History of Western Philosophy I</td>
<td>4</td>
</tr>
<tr>
<td>PHI 216</td>
<td>History of Western Philosophy II</td>
<td>4</td>
</tr>
<tr>
<td>PHI 331</td>
<td>Symbolic Logic</td>
<td>4</td>
</tr>
<tr>
<td>PHI 490</td>
<td>Philosophy Research Capstone</td>
<td>4</td>
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Three additional four-hour courses at the 300-level or above. (PHI 201 may count as one of these three additional courses if taken by the end of the student's second year.)

THE MINOR

PHILOSOPHY

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<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>PHI 202</td>
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<tr>
<td>PHI 215</td>
<td>History of Western Philosophy I</td>
<td>4</td>
</tr>
<tr>
<td>PHI 216</td>
<td>History of Western Philosophy II</td>
<td>4</td>
</tr>
</tbody>
</table>

Any fourth course at the 300 level or above, or PHI 201 if taken by the end of the student's second year.

Course Descriptions

PHI 201 Introduction to Philosophy (4 cr. hrs.)
A study of the philosophical quest for wisdom concerning such issues as the existence of God, the validity of religious faith, the nature of the self, the basis of knowledge, the justification of morality, freedom and determinism, and political liberty. The course is designed to enable the students to develop skills in stating and defending their own positions on these questions. Fall semester.

PHI 202 Ethics (4 cr. hrs.)
An examination of the principal theories of moral philosophy, including utilitarianism, deontology, and virtue ethics. Students read primary texts by Aristotle, Kant, John Stuart Mill, Hume, and Rawls. Additional topics may include ethical relativism, absolutism, egoism, the nature of moral knowledge, and the concept of the good. Fall and Spring semesters.

PHI 215 History of Western Philosophy I (4 cr. hrs.)
An introduction to the history of Western philosophy, with a primary focus on metaphysics and epistemology. This course will acquaint students with Plato, Aristotle, Aquinas, Descartes, and Kant, along with other thinkers who have been central to the development of philosophy and to the development of Western culture. Students will also learn the place of philosophers in their proper intellectual and historical context, and understand the development of philosophical themes over time. Fall semester.
PHI 216 History of Western Philosophy II (4 cr. hrs.)
An introduction to the history of post-Kantian Western philosophy, with an emphasis on metaphysics and epistemology. This course will acquaint students with 19th and 20th century continental philosophers, including Hegel, Kierkegaard, Nietzsche, and Sartre; pragmatist philosophers, including Pierce, James, and Dewey; early 20th century analytic philosophers, including Russell, Wittgenstein, and Austin; and more recent analytic epistemology, including work by Quine. Most students will benefit from taking History of Western Philosophy I before History of Western Philosophy II. Spring semester.

PHI 331 Symbolic Logic (4 cr. hrs.)
Symbolic logic is a rigorous introduction to formal logic. Topics covered include symbolization, syntax, semantics, derivations and metatheory for both sentential and predicate logic, as well as applications in mathematics and philosophy. Course methodology includes lecture, discussion and a computer lab.

PHI 351-363 Seminars
Intensive reading and discussion of problems, thinkers, and movements in philosophy. As seminars are intended to advance a student's knowledge and competence beyond the introductory level, it is recommended that students complete PHI 202 or PHI 215 before enrolling in a seminar. Two seminars are usually offered each semester.

PHI 351 Philosophy of Law (4 cr. hrs.)
This course is an examination of the philosophical foundations of law and of the relationship of law to morality. Fundamental questions concerning the concept of law as presented in the natural law tradition, legal positivism, legal realism, and critical legal studies will be considered. The course will also investigate the nature of legal reasoning and important normative issues including theories of justice, equality, the structure and content of rights, responsibility, and punishment. Students will read classic works by Aquinas, Marx, and Mill, as well as contemporary writings by Hart, Dworkin, Fuller, and others. Philosophy of law will be of interest not only to students considering a career in law, but to anyone concerned with the nature, purpose, scope, and justification of law.

PHI 352 Existentialism (4 cr. hrs.)
Does life have meaning? What is the significance of death? What is human nature? This seminar examines existentialist philosophers' answers to these fundamental questions. Students read both philosophical and literary work by philosophers such as Sartre, Camus, and Beauvoir. Additional topics include human freedom and responsibility, God and meaninglessness, rationality and the absurd, and alienation and authenticity.

PHI 353 Environmental Ethics (4 cr. hrs.)
This course will consider controversies in environmental philosophy and social policy, all of which are fundamentally related to the question of justice—justice between species, people, and generations. Topics students will investigate include: the moral standing of animals, plants, and ecosystems; property rights and environmental regulation; neoclassical and sustainable approaches to environmental economics; population growth and environmental degradation; ethical and economic considerations of future generations; and the environment and international security.

PHI 354 Business Ethics (4 cr. hrs.)
This seminar provides students an opportunity to reflect on the application of ethical theory to business practice. Students will read philosophical essays, legal perspectives, and case studies on a variety of issues related to business including: corporate social responsibility; the rights and obligations of employers and employees; discrimination and harassment in the workplace; the regulation of business; marketing; international business; and the protection of consumers, workers, investors, and the environment from harm.

PHI 355 Asian Philosophy (4 cr. hrs.)
A survey of philosophical movements in India, China, and Japan with attention to religious and cultural implications and to chronological development. Philosophies considered include Hinduism, Confucianism, and Taoism as well as Indian, Chinese, and Zen Buddhism. Students will come to understand various Asian approaches to the nature of the cosmos, the nature of the self, and the place of the self within that cosmos.

PHI 356 Philosophy of Knowledge (4 cr. hrs.)
An examination of contemporary and historical approaches to questions about the nature, sources, and limits of human knowledge. What is the role of doubt? Can we avoid error? How can we know we are right? Can we prove we are right? Drawing on readings from Plato to Kant, from Wittgenstein to Foucault, seminar participants will contemplate both the possibility that knowledge is a discovery of objective truth and the possibility that knowledge is a human construction.
**PHI 357 Contemporary Philosophy of Science (4 cr. hrs.)**
Twenty-first-century philosophers of science have concerned themselves primarily with asking how scientific theories change over time, whether or not explanation is a goal of science, how scientific knowledge is confirmed, and whether science reveals the underlying nature of reality. This course will help science students put their studies into thoughtful perspective, and will provide all participants with a deeper understanding of the nature of human knowledge.

**PHI 358 Philosophy of Sex and Gender (4 cr. hrs.)**
An introduction to feminist theory, focusing on the social construction of both male and female gender, and on the extent to which our scientific and other intellectual pursuits display the influence of gender preconceptions. Students will discuss these issues from a variety of perspectives, including liberal feminism, radical feminism, feminist analyses by women of color, psychoanalytic feminism, and postmodern feminism.

**PHI 359 Postmodernism (4 cr. hrs.)**
An examination of postmodern theory in juxtaposition with philosophical and cultural modernity. Postmodern thinking, famously described by Lyotard as a “distrust of meta-narratives,” problematizes prevailing concepts of objectivity, truth and the nature of reality. Students will read and discuss works by such writers as Derrida, Foucault, Lyotard, Rorty. Of special interest not only to those studying philosophy, but also literature and religion.

**PHI 360 American Philosophy (4 cr. hrs.)**
Is there a distinctive tone underlying American contributions to philosophy? Pragmatism, the sole philosophical movement originated and sustained entirely by Americans, is a focus of this seminar, which will also consider American contributions to logical positivism and analytic philosophy. Students will address the work of such philosophers as Peirce, James, Dewey, Quine, Sellars, Davidson, and Putnam.

**PHI 361 Philosophy of Religion (4 cr. hrs.)**
Christianity has been described as “a religion in search of a metaphysic.” This course will examine several different philosophical conceptions of reality and investigate their contributions to the history of Western ideas about God, human nature, and the world. Included in this study will be classical philosophers such as Plato, Aristotle, and Plotinus, as well as modern philosophers like Hegel and Whitehead.
Physical Education, Recreation, and Athletics

Athletic Director and Department Chair: Assistant Professor Darlene Bailey
Assistant Professor: Larry Holley
Instructors: Dustin Combs, Jill Cress, Thomas Eisenhauer, Jessica Gracia, Jerod Kruse, Jeff Snow, Mike Stockton, Shawn Weigel

>> www.jewell.edu/physicaleducation

The mission of the Physical Education, Recreation, and Athletics Department is to be an integral part of the education process at William Jewell College by supporting the development of the “whole person”—physical, mental, social, emotional, and spiritual. The department’s aim is to improve students through the medium of physical and sport activities that support this mission. Opportunities will be provided for professional preparation, in accordance with accrediting agency requirements, of highly qualified teachers and leaders in recreation and athletics.

The department offers two majors and two minors. Both majors, Physical Education and Recreation & Sport, lead to a Bachelor of Science (BS) degree. The department also offers two minors: Coaching & Performance Enhancement and Recreation & Sport.

THE MAJORS

PHYSICAL EDUCATION

This major has been approved by the Missouri Department of Elementary and Secondary Education. The purposes of the teacher education program are to prepare teachers who

1. have a strong background in their teaching specialty (i.e., scientific knowledge, motor skills, human movement or health content);
2. understand health and physical education as a profession, including the historical and philosophical aspects, and can explain how health and physical education teachers can advance the goals of the profession in a variety of settings; and
3. become effective coordinators of learning, relate theory to practice by planning, implementing and evaluating learning experiences, and cause students to become self-directed, lifelong learners.

Goals for Student Learning

- demonstrate strong knowledge of physical education and sport activities, including the historical, philosophical, sociological and psychological aspects;
- be proficient in their ability to use their knowledge and skills to teach effectively and promote student achievement;
- be technologically proficient and willing to expand their knowledge to adapt new teaching strategies and opportunities for student engagement and involvement;
- be committed to physical education, health and personal fitness as a lifelong endeavor in the development of the total person;
- value diversity, particularly as related to physical abilities and needs of individuals students in the classroom setting; and
- utilize acquired communication and critical thinking skills to be active participants in opportunities for service in the community in which they live to advance equity, justice and inclusion.

Required Courses

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BMS 243</td>
<td>Human Anatomy (4)</td>
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<td>BMS 243L</td>
<td>Human Anatomy Lab (1)</td>
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<td>BMS 250</td>
<td>Human Physiology (4)</td>
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<td>BMS 250L</td>
<td>Human Physiology Lab (1)</td>
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<td>PED 155</td>
<td>Foundations of Physical Education and Sport Science (2)</td>
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<tr>
<td>PED 216</td>
<td>Aerobic Fitness and Strength Training (2)</td>
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<td>PED 228</td>
<td>Lifetime Individual Activities and Dance (3)</td>
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<td>PED 229</td>
<td>Lifetime Team Activities (2)</td>
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<td>PED 250</td>
<td>Health Science (2)</td>
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<td>PED 256</td>
<td>Social Aspects of Physical Education and Sport Science (2)</td>
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<tr>
<td>PED 261</td>
<td>Prevention and Treatment of Athletic Injuries (3)</td>
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<td>PED 280</td>
<td>Psychological Aspects of Physical Education and Sport Science (2)</td>
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<td>PED 300</td>
<td>Physiology of Exercise (3)</td>
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<td>PED 375</td>
<td>Lifetime Motor Development (2)</td>
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<td>PED 381</td>
<td>Assessment and Evaluation in Physical Education and Sport Science (2)</td>
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<td>PED 392</td>
<td>Kinesiology (2)</td>
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<tr>
<td>PED 420</td>
<td>Adaptive Physical Education (2)</td>
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<tr>
<td>PED 465</td>
<td>Methods of Teaching Secondary Physical Education (2)</td>
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In addition, all Physical Education majors will complete the Secondary Education major in the Jewell Department of Education.
RECREATION AND SPORT

The purpose of the Recreation and Sport program will be to prepare professionals for careers in a wide variety of settings, such as public parks & recreation management, fitness training, facilities management, intercollegiate athletics administration, and professional sports management.

Goals for Student Learning

Graduates earning the Bachelor of Science in Recreation and Sport will:

- demonstrate strong knowledge of recreation and sport activities, including the historical, philosophical, sociological and psychological aspects;
- be proficient in their ability to use their knowledge and skills work in the recreation and/or sports management profession;
- be technologically proficient and current with trends in the profession and willing to expand their knowledge to adapt new strategies and opportunities for sport promotion;
- be committed to physical education, health and personal fitness and the business of sport as a lifelong endeavor in the development of the total person;
- value diversity, particularly as related to physical abilities and needs of individuals in the pursuit of sports activities; and
- utilize acquired communication and critical thinking skills to be active participants in opportunities for service in the community in which they live to advance equity, justice and inclusion.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>BUS 202</td>
<td>Principles of Management (4)</td>
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<tr>
<td>COM 100</td>
<td>Fundamentals of Speech Communication (2)</td>
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<td>COM 260</td>
<td>Organizational Communication (4)</td>
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<tr>
<td>PED 126</td>
<td>Beginning Swimming (1)</td>
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<td>PED 155</td>
<td>Foundations of Physical Education and Sport Science (2)</td>
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<td>PED 216</td>
<td>Aerobic Fitness and Strength Training (2)</td>
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<td>PED 225</td>
<td>Officiating Sport (2)</td>
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<td>PED 249</td>
<td>Anatomy and Physiology (2)</td>
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<td>PED 250</td>
<td>Health Science (2)</td>
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<td>Social Aspects of Physical Education and Sport Science (2)</td>
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<td>PED 290</td>
<td>Field Experience in Recreation and Sport (2)</td>
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<td>PED 300</td>
<td>Physiology of Exercise (3)</td>
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<td>PED 381</td>
<td>Assessment and Evaluation in Physical Education and Sport Science (2)</td>
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<tr>
<td>PED 390</td>
<td>Facilities and Equipment in Recreation and Sport (2)</td>
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<tr>
<td>PED 392</td>
<td>Kinesiology (2)</td>
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<tr>
<td>PED 490</td>
<td>Internship in Recreation and Sport (6)</td>
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</table>

THE MINORS

The following two minors complement students’ majors in other areas of the College. They provide the flexibility and diversity needed to allow the student to pursue a specific career interest in Coaching and Performance Enhancement or Recreation and Sport, while at the same time providing the breadth needed to adapt these interests to a variety of markets. The minors thereby strengthen the students’ academic preparation and enhance career options, regardless of their William Jewell College major.

COACHING AND PERFORMANCE ENHANCEMENT

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 155</td>
<td>Foundations of Physical Education and Sport Science (2)</td>
</tr>
<tr>
<td>PED 249</td>
<td>Anatomy and Physiology (2)</td>
</tr>
<tr>
<td>PED 256</td>
<td>Social Aspects of Physical Education and Sport Science (2)</td>
</tr>
<tr>
<td>PED 261</td>
<td>Prevention and Treatment of Athletic Injuries (3)</td>
</tr>
<tr>
<td>PED 280</td>
<td>Psychological Aspects of Physical Education and Sport Science (2)</td>
</tr>
<tr>
<td>PED 300</td>
<td>Physiology of Exercise (3)</td>
</tr>
<tr>
<td>PED 392</td>
<td>Kinesiology (2)</td>
</tr>
<tr>
<td>PED 440</td>
<td>Internship in Coaching (2)</td>
</tr>
</tbody>
</table>

Two of the following courses:

- PED 339 Analysis of Coaching Swimming and Diving (2)
- PED 394 Analysis of Coaching Cheerleaders and Dance Teams (2)
- PED 395 Analysis of Coaching Football (2)
- PED 396 Analysis of Coaching Basketball (2)
- PED 397 Analysis of Coaching Baseball (2)
- PED 398 Analysis of Coaching Track and Field (2)
- PED 399 Analysis of Coaching Volleyball (2)

www.jewell.edu/physicaleducation
It is recommended, but not required, that the following course be taken in CTI level-2:

CTI 255 Sports Science: Physics Applications and Ethical Issues (5)

A Physical Education major or a Recreation & Sport major cannot also earn the Coaching minor.

RECREATION AND SPORT

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 202</td>
<td>Principles of Management</td>
<td>(4)</td>
</tr>
<tr>
<td>COM 260</td>
<td>Organizational Communication</td>
<td>(4)</td>
</tr>
<tr>
<td>PED 155</td>
<td>Foundations of Physical Education and Sport Science</td>
<td>(2)</td>
</tr>
<tr>
<td>PED 256</td>
<td>Social Aspects of Physical Education and Sport Science</td>
<td>(2)</td>
</tr>
<tr>
<td>PED 280</td>
<td>Psychological Aspects of Physical Education and Sport Science</td>
<td>(2)</td>
</tr>
<tr>
<td>PED 290</td>
<td>Field Experience in Recreation and Sport</td>
<td>(2)</td>
</tr>
<tr>
<td>PED 390</td>
<td>Facilities and Equipment in Recreation and Sport</td>
<td>(2)</td>
</tr>
<tr>
<td>PED 490</td>
<td>Internship in Recreation and Sport</td>
<td>(6)</td>
</tr>
</tbody>
</table>

A Recreation and Sport major cannot also earn the Recreation and Sport minor.

Course Descriptions

Physical Activity Courses

Two or more physical activity courses totaling at least two hours are required of all students for graduation. A maximum of four hours of activity may be counted within the 124 hours required toward a degree. The same activity may not be repeated for credit toward a degree. The department encourages students to involve themselves in aerobic activity at least three times per week. The department challenges every student who cannot swim to conquer any fear of the water and to learn skills which could potentially save her or his life by enrolling in beginning swimming.

All activity courses will be graded on a pass-fail basis. Courses will be adapted to meet special needs. Activities marked with an asterisk (*) require payment of a fee, which will be specified in each semester’s schedule of courses. Activities marked with a plus (+) require the ability to swim at least 25 meters.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 101</td>
<td>Step Aerobics *</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 102</td>
<td>Boxing Aerobics</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 104</td>
<td>Archery</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 105</td>
<td>Badminton</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 106</td>
<td>Rock Climbing *</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 107</td>
<td>Bowling *</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 109</td>
<td>Fencing</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 110</td>
<td>Golf *</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 112</td>
<td>Racquetball</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 113</td>
<td>Yoga *</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 114</td>
<td>Pilates *</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 115</td>
<td>Self-Defense *</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 116</td>
<td>Dance: Ballroom and Big Band *</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 117</td>
<td>Ballroom Dance: Pop and Rock *</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 118</td>
<td>Line Dancing *</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 120</td>
<td>Super Circuit</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 121</td>
<td>Recreational Water Games +</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 122</td>
<td>Volleyball</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 123</td>
<td>Sand Volleyball</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 124</td>
<td>Fly Tying &amp; Fishing *</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 126</td>
<td>Beginning Swimming +</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 127</td>
<td>Scuba Diving *+</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 128</td>
<td>Tennis</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 129</td>
<td>Lifeguard Training *+</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 130</td>
<td>Water Exercise +</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 131</td>
<td>Squash</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 132</td>
<td>Tumbling</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 133</td>
<td>Strength &amp; Conditioning</td>
<td>(1.0 cr. hr.)</td>
</tr>
<tr>
<td>PED 134</td>
<td>Horseback Riding *</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 135</td>
<td>Reinsmanship *</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 136</td>
<td>Jogging</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 138</td>
<td>Walking Off Weight</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 140</td>
<td>Snow Skiing *</td>
<td>(0.5 cr. hr.)</td>
</tr>
<tr>
<td>PED 155</td>
<td>Foundations of Physical Education and Sport Science</td>
<td>(2 cr. hrs.)</td>
</tr>
</tbody>
</table>

An introductory professional course which covers the scope, purpose, history, growth and development, and career assessment of physical education and sport science.

PED 216 Aerobic Fitness and Strength Training (2 cr. hrs.)

This course is designed to instruct students in different methods of cardio-respiratory training and muscular resistance training. This is a methods class for future instructors.

PED 225 Officiating Game and Sport (2 cr. hrs.)

This course is designed to teach students how to officiate games and sports including football, basketball, baseball, and softball.

PED 228 Lifetime Individual Activities and Dance (3 cr. hrs.)

An introduction to basic skills and teaching techniques in individual sports (tennis, badminton, golf and racquetball) and dance. This is a methods class for future instructors.

PED 229 Lifetime Team Activities (2 cr. hrs.)

An introduction to basic skills and teaching techniques in team sports including volleyball, soccer, basketball, softball, baseball, and football.

PED 249 Anatomy and Physiology (2 cr. hrs.)

A generalized study of the structure and function of cells, tissues, metabolism, the skeleton muscle system, respiration, cardiovascular system, and nervous system as they relate to physical education.
PED 250 Health Science (2 cr. hrs.)
A study of personal and community health which challenges students to consider health information from physical, emotional, social, intellectual, and spiritual dimensions and helps them master the important developmental tasks which confront them.

PED 256 Social Aspects of Physical Education and Sport Science (2 cr. hrs.)
Analysis of social aspects that influence human performance in sport and exercise.

PED 261 Prevention and Treatment of Athletic Injuries (3 cr. hrs.)
A basic course in the management of common athletic injuries and conditions. Includes study of causes of such problems and how to help prevent their occurrence. First Aid, CPR, and AED techniques are included. Prerequisite: PED 249.

PED 280 Psychological Aspects of Physical Education and Sport Science (2 cr. hrs.)
Analysis of the psychological concepts that influence human performance in sport and exercise. Prerequisite: PED 155.

PED 290 Field Experience in Recreation and Sport (2 cr. hrs.)
Provides practical experience at selected recreation agencies. Students will be supervised by department staff and agency director(s). Requires approval of department chair. Prerequisites: PED 155, 249.

PED 300 Physiology of Exercise (3 cr. hrs.)
A study of the immediate and long-range effects of physical activity on the muscular, respiratory, circulatory, nervous, and metabolic systems. Laboratories are included. Prerequisite: PED 249. Recommended: PED 392.

PED 339 Analysis of Coaching Swimming and Diving (2 cr. hrs.)
American National Red Cross Water Safety Instructor Course. Certification requires meeting all current Red Cross standards. Course credit is independent of Red Cross certification.

PED 375 Lifetime Motor Development (2 cr. hrs.)
A study of changes in motor behavior over the lifespan, the processes underlying these changes, and the factors affecting them. Prerequisite: PED 249.

PED 381 Assessment and Evaluation in Physical Education and Sport Science (2 cr. hrs.)
A study of the assessment and evaluation procedures in physical education and sport science, the administration of such procedures, and the interpretation of the results via fundamental statistical methods. Prerequisite: junior standing. Recommended: PED 228, PED 229.
**PED 390 Facilities and Equipment in Recreation and Sport** (2 cr. hrs.)
Planning principles and guidelines for the design, construction, and equipping of educational, recreational, and sport facilities. Prerequisite: PED 155.

**PED 392 Kinesiology** (2 cr. hrs.)
The study of the principles of human movement, structural, and mechanical. Prerequisite: PED 249.

**PED 394 Analysis of Coaching Cheerleaders and Dance Teams** (2 cr. hrs.)
Fundamentals and techniques of teaching the gymnastic and rhythmic activities associated with cheerleading and dance teams.

**PED 395 Analysis of Coaching Football** (2 cr. hrs.)
Techniques of conditioning, methods of motivation, and strategies of coaching football.

**PED 396 Analysis of Coaching Basketball** (2 cr. hrs.)
Techniques of conditioning, methods of motivation, and strategies of coaching basketball.

**PED 397 Analysis of Coaching Baseball and Softball** (2 cr. hrs.)
Techniques of conditioning, methods of motivation, and strategies of coaching baseball and softball.

**PED 398 Analysis of Coaching Track and Field** (2 cr. hrs.)
Techniques of conditioning, methods of motivation, and strategies of coaching track and field.

**PED 399 Analysis of Coaching Volleyball** (2 cr. hrs.)
Techniques of conditioning, methods of motivation, and strategies of coaching volleyball.

**PED 420 Adaptive Physical Education** (2 cr. hrs.)
Survey of human disabilities combined with adaptive and rehabilitative measures to promote better living for the individual. Prerequisites: PED 249, 375. Recommended: PED 300, 392.

**PED 440 Internship in Coaching** (2 cr. hrs.)
Provides opportunity to gain coaching and sport administration experience. Course may be repeated with a different sport assignment. Requires approval of department chair.

**PED 465 Methods of Teaching Secondary Physical Education** (2 cr. hrs.)
Methods and activities in Physical Education in the secondary school. This course will consist of classroom lecture and hands-on lab experience. Prerequisites: PED 228, 229, 381.

**PED 490 Internship in Recreation and Sport** (6 cr. hrs.)
Opportunity to observe, participate, lead, and learn in a variety of recreation/sport settings and with a variety of populations. Requires approval of department chair. Prerequisites: PED 155, 290, 390. Senior standing recommended.

**PED 499 Independent Study in Physical Education** (1-6 cr. hrs.)
Designed to provide the opportunity to pursue a topic of special interest which is not a part of the regular course offerings. Requires approval of department chair. May be repeated.
Students completing a major in physics will

- have a working knowledge of the content of physics;
- develop expertise in the techniques of doing physics;
- develop skills in reading, writing, and presenting physics concepts and research/engineering results;
- actively engage in a community of scholars; and
- think critically and creatively as scientists.

The department offers two majors and a minor. Both majors lead to a Bachelor of Arts (BA) degree.

THE MAJOR

PHYSICS

Required Courses

- PHY 213 General Physics I (4)
- PHY 213L General Physics I Lab (1)
- PHY 214 General Physics II (4)
- PHY 214L General Physics II Lab (1)
- PHY 215 Introduction to the Physics Major (1)
- PHY 316 Modern Physics (4)
- PHY 321 Intermediate Lab (1)
- PHY 351 Research Experience (1)
- PHY 352 Research Experience (1)
- PHY 490 Physics of Sustainability (4)

At least one of the following courses:

- PHY 322 Optics (3) with the associated lab (1)
- PHY 306 Electronics (3) with the associated lab (1)

At least one of the following courses:

- PHY 415 Electricity and Magnetism (4)
- PHY 443 Classical Mechanics (4)
- PHY 444 Quantum Mechanics (4)
At least four additional hours in PHY courses numbered 300 or above.
MAT 200 Calculus II (4)
MAT 201 Calculus III (4)
A course in BIO, BMS, or CHE that includes a lab component (5)

All students intending to complete a major in physics should have a member of the physics faculty as their academic advisor by the end of their first year and should ascertain additional expectations from the department.

Students who major in both physics and secondary education may receive certification to teach physics in grades 9-12 in the State of Missouri. A certification program has been approved by the Missouri Department of Elementary and Secondary Education. A Student Handbook providing requirements for all certification programs can be obtained from the Department of Education. Such students can substitute CTI 258 and 258L for the “four additional hours in Physics courses numbered 300 or above.”

THE MINOR

PHYSICS

Students pursuing majors in other disciplines but with an interest in physics may choose to minor in physics. A minor requires 18 hours of physics courses. At least 8 hours of the minor must be completed in residence at William Jewell College. For specific recommendations consistent with your personal goals, please consult with one of the physics faculty.

Required Courses

PHY 111 or 213 College Physics I or General Physics I (4)
PHY 111L or 213L College Physics I Lab or General Physics I Lab (1)
PHY 112 or 214 College Physics II or General Physics II (4)
PHY 112L or 214L College Physics II Lab or General Physics II Lab (1)

8 additional hours from course in Physics numbered 300 or above, including at least one upper-level laboratory but not more than two such labs.

DUAL-DEGREE ENGINEERING CURRICULUM

Physics majors in the 3-2 plan of engineering with Vanderbilt University, Washington University in St. Louis, Columbia University in New York, Missouri University of Science and Technology, or the University of Kansas should complete the requisite courses at William Jewell College. For students who expect to enter an engineering school, the pre-engineering curriculum, plus a major in physics, mathematics or chemistry is appropriate (depending upon the type of engineering—electrical, civil, mechanical, chemical, biomedical, etc.). Further information is available in the Pre-Professional Programs section of the catalog at www.jewell.edu/engineering.

Course Descriptions

Except where noted, students are required to enroll simultaneously in both lecture and laboratory components of a particular course.

PHY 111 College Physics I (4 cr. hrs.)
The general principles of mechanics, waves, sound, heat and electricity, with discussions of some practical applications. Problems and laboratory work are emphasized. Intended for students majoring in mathematics, chemistry, biology, and for pre-health students. Fall semester. (This course will not apply toward the physics major’s requirements.)

PHY 111L College Physics I Laboratory (1 cr. hr.)

PHY 112 College Physics II (4 cr. hrs.)
The general principles of light, optical instruments, atomic structure and nuclear physics with a discussion of some practical applications. Intended for students majoring in mathematics, chemistry, biology, and for pre-health students. Spring semester. (This course will not apply toward the physics major’s requirements.)

PHY 112L College Physics II Laboratory (1 cr. hr.)

PHY 213 General Physics I (4 cr. hrs.)
Competence in calculus is required in this course. Course includes mechanics, sound, and heat. Fall semester. Prerequisite or co-requisite: CTI 104.

PHY 213L General Physics I Laboratory (1 cr. hr.)

PHY 214 General Physics II (4 cr. hrs.)
Competence in calculus is required in this course. Includes electricity, magnetism, light and optics. Spring semester. Prerequisite: PHY 213.

PHY 214L General Physics II Laboratory (1 cr. hr.)

>> www.jewell.edu/physics
Physics  
CONTINUED

PHY 215 Introduction to the Physics Major  (1 cr. hr.)
An introduction to the skills and experiences required for success as a physics major including digital research, reading the scientific literature, and presentation skills. Students are introduced to ongoing research in the department, career-enhancing opportunities, such as internships and research experiences for undergraduates, as well as a survey of careers in physics. The course also includes a substantial introduction to the MATLAB programming environment which is used throughout the physics curriculum.

PHY 306 Applied Electronics  (3 cr. hrs.)
An introductory course emphasizing the applications of solid state devices such as diodes, thyristors, transistors, sensors, and linear and digital integrated circuits. Prerequisite: consent of instructor.

PHY 306L Applied Electronics Laboratory  (1 cr. hr.)

PHY 316 Modern Physics  (4 cr. hrs.)
A course in modern physics that includes introduction to special relativity, x-rays and spectra, radioactivity, nuclear reactions, atomic structure, and other topics of importance to modern physics and chemistry. An introduction to quantum mechanics includes applying Schrödinger’s theory of quantum physics to the hydrogen atom, multi-electron atoms, angular momentum quantization, optical excitations, molecular structure, and atomic and molecular spectroscopy. Prerequisites: PHY 214, MAT 200.

PHY 318 Heat and Thermodynamics  (3 cr. hrs.)
Includes study of temperature, thermodynamic systems, work, first and second laws of thermodynamics and entropy. A brief introduction to statistical mechanics and kinetic theory. For students of physics, chemistry and engineering. Prerequisites: PHY 214, MAT 200.

PHY 320 Computer Programming and Interfacing in LabVIEW  (1 cr. hr.)
The course covers programming in LabVIEW for data acquisition and control. Programming topics include loops, conditional statements, arrays, data visualization and analysis, and file outputs. A sample control system is developed. The LabVIEW VI library is used for GPIB communication to connect to a sample instrument. Prerequisite: PHY 214 or permission of the instructor.

PHY 321 Intermediate Physics Laboratory  (1 cr. hr.)
A laboratory course that focuses on the techniques of physics including spectroscopy, imaging, computation and electronic measurements, as well as analysis and presentation of data and results. Prerequisite: PHY 214.

PHY 322 Optics  (3 cr. hrs.)
An advanced course in light. Includes a study of lenses, reflectors, prisms, spectrometers, ruled gratings, spectra, interferometers, diffraction, polarization and electromagnetic theory of light. Prerequisites: PHY 214, MAT 200.

PHY 322L Optics Laboratory  (1 cr. hr.)
To follow or accompany PHY 322. Three hours of laboratory work per week.

PHY 332 Analytical Mechanics (Statics)  (3 cr. hrs.)
Concerned with basic concept of force systems, conditions of equilibrium, structures, distribution of forces, centroids, effects of friction, moments of inertia and the principle of virtual work. Methods of the calculus and graphical analysis, including vectorial representation, will be freely employed. Prerequisite: MAT 200.

PHY 351—358 Research Experience  (1 cr. hr. each)
A detailed study of some specific problem or experiment in physics. Available each semester.

PHY 415 Electricity and Magnetism  (4 cr. hrs.)
Electrostatics, magnetism, resistance, capacitance, inductance, electromagnetic induction, electric circuits. Maxwell’s equation and field theory. Prerequisites: PHY 214, MAT 201.

PHY 443 Classical Mechanics  (4 cr. hrs.)
An intermediate course in classical mechanics. This course begins with a critical discussion of Newton’s laws of motion. Other topics include conservative forces, the forced harmonic oscillator, complex number application to the solution of linear differential equations, Fourier Series applications, vector algebra, elements of vector analysis, integration and differentiation of vectors, motion under a central force, coupled harmonic oscillators, rotating coordinate systems, LaGrange’s equations, and an introduction to tensors.

PHY 444 Quantum Mechanics  (4 cr. hrs.)
This course is designed to follow 443. The concept of a wave function is introduced via solution of the Schrödinger equation. The Schrödinger equation is solved for numerous examples including an infinite square well, a harmonic-oscillator potential, a delta-function potential, and a finite square well. A rigorous development of the hydrogen atom extends the treatment of quantum-mechanical systems to three dimensions. Approximation methods include perturbation theory, the variation principle, the WKB approximation, the adiabatic approximation, and scattering.

PHY 450 Special Topics  (1-3 cr. hrs.)
A senior-level course intended to provide students with opportunities to study topics of interest and/or topics required for future work. Some examples might include astrophysics, materials science, optoelectronics, condensed matter, general relativity, or fluid mechanics.

PHY 490 Physics of Sustainability  (4 cr. hrs.)
This is a capstone experience in physics that applies the content and skills of previous physics courses to issues of sustainability with a particular focus on energy. Topics include world issues, nuclear energy, solar energy, fuel cells and the hydrogen economy, biomass, and wind power. Topics are addressed beginning with the fundamental underlying physics, such as nuclear reactions, energy flow and storage, and materials physics, and then progress to current real-world applications. Socioeconomic considerations are addressed as appropriate. The course is an integrated lecture-laboratory experience.
Goals for Student Learning

The mission of the Political Science Department is to offer its students concentrated study that prepares them to understand the political world as it really is and the great debates about how it should be. Graduates of the department will

• excel in the study of government and justice in the United States, other countries, and in world politics;
• be equipped for the noble tasks of citizenship;
• be trained in careful political analysis, able to engage and evaluate multiple points of view and to convey their thinking in strong communication;
• understand the basic principles of liberal democracy and how these differ from those of authoritarian political systems;
• show a familiarity with a wide range of political theory and public policy discussions that will be evident in their capacity to conduct independent scholarly projects; and
• have many opportunities for direct service or participation in political life.

The department offers two majors, both leading to a Bachelor of Arts (BA) degree: political science and international relations. Both the political science and international relations majors follow the core requirements for the BA degree. However, a student who selects political science as a second major in combination with a BS primary major may follow the core requirements for the BS degree. A grade of C- or higher is required in each course in the major.
THE MAJORS

POLITICAL SCIENCE

Required Courses

32 hours in political science courses, including the following core courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 100</td>
<td>Introduction to Politics</td>
<td>4</td>
</tr>
<tr>
<td>POL 200</td>
<td>Introduction to Political Theory</td>
<td>4</td>
</tr>
<tr>
<td>POL 250</td>
<td>Introduction to World Politics</td>
<td>4</td>
</tr>
<tr>
<td>POL 400</td>
<td>Senior Seminar</td>
<td>4</td>
</tr>
</tbody>
</table>

INTERNATIONAL RELATIONS

International Relations (IR) is an interdisciplinary major designed to acquaint students with basic elements of economic, political, and social relationships among nations and world politics. This major is strongly supported by the excellent overseas programs of William Jewell College.

All IR majors must spend one semester in an approved overseas study program. Students will normally do this in a Jewell Study-Abroad Program, but they may apply for credit from independent overseas programs. Students may apply for an alternative to this requirement to the Director of the IR major. Students will also complete POL 431 attached to their overseas study experience. This will normally be a small research project whose topic will flow from their choice of the overseas program, with some research to be completed overseas.

Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>POL 250</td>
<td>Introduction to World Politics</td>
<td>4</td>
</tr>
<tr>
<td>ECO 404</td>
<td>Introduction to International Economics</td>
<td>3</td>
</tr>
<tr>
<td>POL 452</td>
<td>Senior Seminar in IR</td>
<td>4</td>
</tr>
</tbody>
</table>

Also required are

- Completion of a second intermediate-level course in a foreign language, or a more advanced foreign language course, or demonstrated proficiency.
- Overseas study for one semester or approved alternative
- POL 431 (1)

Designated Electives:

8 hours are required from each of three tracks. See the lists below for courses that can be included in a History Track, a Humanities Track, and a Politics Track. Similar courses can be used if judged appropriate by the director of the major. Courses taken overseas may count if approved in advance by the director of the major.

**Humanities Track (8 hours required):**

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 250</td>
<td>Art History I</td>
<td>4</td>
</tr>
<tr>
<td>ART 251</td>
<td>Art History II</td>
<td>4</td>
</tr>
<tr>
<td>CTT 201</td>
<td>Divas, Death, &amp; Dementia</td>
<td>4</td>
</tr>
<tr>
<td>CTT 208</td>
<td>Women Writers of World Literature</td>
<td>4</td>
</tr>
<tr>
<td>CTT 216</td>
<td>Wagner's Ring Cycle</td>
<td></td>
</tr>
<tr>
<td>CTT 229</td>
<td>Christianity and Tyranny</td>
<td>4</td>
</tr>
<tr>
<td>CTT 231</td>
<td>Biblical Messiahism and Handel's Messiah</td>
<td>4</td>
</tr>
<tr>
<td>CTT 233</td>
<td>Christian Hymnody</td>
<td>4</td>
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<tr>
<td>CTT 235</td>
<td>The Sacred Image</td>
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<td>CTT 239</td>
<td>Judaism, Christianity, &amp; Islam</td>
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<tr>
<td>ENG 340</td>
<td>Studies in English Literature I</td>
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<tr>
<td>ENG 345</td>
<td>Studies in English Literature II</td>
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<td>ENG 360</td>
<td>Great Works of World Literature</td>
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<td>Studies in Contemporary World Literature</td>
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<td>ENG 440</td>
<td>Advanced Studies in English Literature</td>
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<td>ENG 460</td>
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<td>Ethics</td>
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<td>PHI 215</td>
<td>History of Western Philosophy I</td>
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<td>PHI 216</td>
<td>History of Western Philosophy II</td>
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<td>PHI 353</td>
<td>Environmental Ethics</td>
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<tr>
<td>POL 2xx</td>
<td>Politics &amp; Literature</td>
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<tr>
<td>REL 115</td>
<td>Exploring the World's Sacred Scriptures</td>
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<td>REL 270</td>
<td>Religion in the Modern Age</td>
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<tr>
<td>REL 272</td>
<td>Judaism, Christianity, &amp; Islam</td>
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Up to 4 hours of 300-level foreign language

**History Track (8 hours required):**

<table>
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<tr>
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<tr>
<td>HIS 103</td>
<td>World History I</td>
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<tr>
<td>HIS 104</td>
<td>World History II</td>
<td>4</td>
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<tr>
<td>HIS 202</td>
<td>Introductory History Colloquium:</td>
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<tr>
<td></td>
<td>World History I</td>
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<tr>
<td>HIS 223</td>
<td>History of England</td>
<td>4</td>
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<tr>
<td>HIS 224</td>
<td>Modern China</td>
<td>2</td>
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<tr>
<td>HIS 226</td>
<td>Modern Japan</td>
<td>2</td>
</tr>
<tr>
<td>HIS 229</td>
<td>History of the Middle East</td>
<td>4</td>
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<td>HIS 312</td>
<td>Europe in the Middle Ages</td>
<td>2</td>
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<tr>
<td>HIS 317</td>
<td>Early Modern Europe</td>
<td>4</td>
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<td>HIS 318</td>
<td>The Formation of Modern Europe</td>
<td>4</td>
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<tr>
<td>HIS 322</td>
<td>World War II and the Holocaust</td>
<td>4</td>
</tr>
<tr>
<td>HIS 324</td>
<td>Comparative Revolutions</td>
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**Politics Track (8 hours required):**

<table>
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<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>POL 100</td>
<td>Introduction to Politics</td>
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<tr>
<td>POL 215-220</td>
<td>Intermediate Seminar (2-4)</td>
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<tr>
<td></td>
<td>when the course has a major global emphasis</td>
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<tr>
<td>POL 225</td>
<td>Comparative Policy and Dynamics</td>
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<tr>
<td>POL 325</td>
<td>Cases in Comparative Politics</td>
<td>4</td>
</tr>
<tr>
<td>POL 334</td>
<td>U.S. National Security Policy</td>
<td>4</td>
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</table>
Political Science
CONTINUED

Course Descriptions

**POL 100 Introduction to Politics (4 cr. hrs.)**
The course introduces students to the study of politics by asking them to compare political systems. They will explore the differences and similarities of the United States and a non-Western or non-liberal country (for example, China, Mexico or Iran). Students will explore differences in what great philosophers have argued justice should mean in these systems, what is expected from politics, and how the state and society relate to each other.

**POL 150 Introduction to American Government (4 cr. hrs.)**
An introductory survey of the structures and functions of American political institutions. Areas of study include the founding, political parties and participation, the mass media, Congress, the Presidency, courts, state and local government, interest groups, and the federal bureaucracy.

**POL 200 Introduction to Political Theory (4 cr. hrs.)**
An introductory course that examines the nature of politics; considers the meaning of such terms as liberty, equality, justice, power; and overviews the major Western political philosophies and ideologies, including liberalism, conservatism, Marxism and fascism.

**POL 201 Congress and the Presidency (4 cr. hrs.)**
Examines Congress dynamically in terms of participant roles, committee systems, party influence and leadership, legislative functions and representative democracy, legislative and executive relations, and current efforts at reform. The second half of course will cover the development of the modern presidency from 1789 to the present. Topics include presidential leadership, power, and influence in relationships with Congress, courts, parties, bureaucracy, and the public in the formulation and administration of domestic and foreign policy.

**POL 210 Campaigns and Elections (4 cr. hrs.)**
A study of trends in political campaign techniques and their impact on American democracy as political parties decline. Identifying the actors on the political scene—personal organizations, interest groups, Political Action Committees, and campaign consultants. Examines the development of modern campaigns in terms of campaign finance, technological innovation, and professionalization.

**POL 211 American Political Thought (4 cr. hrs.)**
Focuses on the development of American political thought from its European roots. Special attention is given to the construction and changing meaning of the Constitution, and to a critical examination of contemporary American political thought. Also considers the American polity today. Recommended background: POL 200.

**POL 215 – 220 Intermediate Seminar (2-4 cr. hrs.)**
Topics of this seminar will vary; past topics include “Special Interest Groups,” “Politics and Literature,” “European Union,” “States and Markets in World Politics.” Topics announced in course schedule.

**POL 221 Constitutional Law: National and State Powers (4 cr. hrs.)**
The course focuses on the nature and extent of constitutional power, the separation-of-powers doctrine, federal-state relations, the power of Congress and the Presidency, commerce and property rights. Recommended background: POL 150.

**POL 222 Constitutional Law: Civil Rights and Liberties (4 cr. hrs.)**
The course reviews the development of political and civil rights in the American constitutional system and the limitations on government powers with emphasis on freedom of speech, press, religion, and the rights of the accused. Briefing and analysis of cases and statutes. Recommended background: POL 150.

**POL 225 Comparative Policy and Dynamics (4 cr. hrs.)**
Students will examine a current or historical issue or policy debate in American national life and compare how other countries have grappled with the issue. The topics will vary, but might include “The Welfare State in the US, Germany, and Japan,” “Executive Control of Foreign Policy in the US, France, and China,” or “Regulating Death in the USA, the Netherlands, and Japan.” Topics announced in semester course schedule.

**POL 250 Introduction to World Politics (4 cr. hrs.)**
An introductory course where students examine conflict and cooperation in a political sphere with states but no central government. Topics include realism and liberalism, explaining war and peace, the role of human rights in world politics, and the debated place of the United States in international relations.

**POL 308 Political Communication (4 cr. hrs.)**
This course is designed to survey the major institutions of political communication in the United States. Areas of study include campaign advertising and the development of sound-bite politics, government-press relations, the impact of the media on agenda-setting and the policy process, the corporate structure of the mass media and its political consequences, the role of symbols in political discourse and the manipulation of cultural icons. Recommended background: POL 150.

**POL 313 Classical and Medieval Political Thought (4 cr. hrs.)**
Traces the development of classical political thought in Greece, explores the changes made by the Romans, and subsequent decline, and the various modifications proposed by Augustine, Aquinas, and other medieval thinkers. Generally covers Plato, Aristotle, the Romans, Augustine, and Aquinas. Recommended background: POL 200.
Political Science
CONTINUED

POL 314 Modern Political Thought (4 cr. hrs.)
Explores the characteristics of modern political thought, compares and contrasts its different representatives, and considers critically the importance these representatives have had in shaping modern political life. Generally covers Machiavelli, Calvin, Hobbes, Locke, Burke, Marx and Nietzsche. Recommended background: POL 200.

POL 325 Cases in Comparative Politics (4 cr. hrs.)
Students explore the political system of a state or those of a region, or of a significant political dynamic. Examples: Politics of Russia, Politics of East Asia, democratization.

POL 334 U.S. National Security Policy (4 cr. hrs.)
Students examine the historical development of American grand strategy, as well as current debates and policy over what American foreign policy should be after the Cold War.

POL 400 Senior Seminar (4 cr. hrs.)
The senior seminar gives majors a forum in which to integrate the problems and topics that have informed their coursework in the department. The seminar combines empirical and theoretical approaches while addressing themes common to the four key subfields of political science: political theory, American politics, comparative politics, and international relations. Empirical and conceptual analysis will be pursued alongside ethical and spiritual questions of human conduct and destiny. The central topic of the course will vary.

POL 431, 432 Directed Readings or Research (1-4 cr. hrs.)
Students may pursue independent work under an agreed form of supervision by faculty. Individual or group research or reading on selected topics determined by student interest may be arranged. Results may be presented orally or in a short thesis, or both. Personal conferences and/or group meetings will be arranged by agreement between students and faculty. This work may endure through two semesters. Consent of instructor required.

POL 452 Senior Seminar (4 cr. hrs.)
The capstone seminar for International Relations majors designed to integrate the interdisciplinary program. Topics vary; past topics have included “Realism and Anti-Realism” and “Just War and the Gulf War.” Political Science majors may enroll with the instructor’s consent.

POL 472 Internship (2-6 cr. hrs.)
Academic credit for internships in the political arena at the international, federal, state, or local level. This experience could be with a Senator or Representative, a state legislator, a nonprofit advocacy group, etc. Internships will usually be taken in the junior and senior years. Students will often have to complete research projects attached to the internship. Credit will be pass/fail only. Consent of instructor required.

Special Programs
• Institute for Comparative Political & Economic Systems at Georgetown University: Students take courses and an internship through the Fund for America Studies Program during the summer. See Dr. Gary Armstrong for particulars.
• Missouri Legislative Internship Program: Students intern at Missouri’s General Assembly in Jefferson City during the spring semester. See the department chair for particulars.
• Washington Semester Program: Students take coursework and an internship through the Washington Semester Program, offered in cooperation with the American University in Washington, D.C. See the department chair for particulars.
• United Nations Semester of Drew University is available to students. See the department chair for particulars.

>> www.jewell.edu/politicalscience
William Jewell College offers a number of pre-professional courses of study leading to programs at various graduate and professional schools. Admission to these programs at other institutions requires separate application procedures in addition to completion of the types of curricula suggested below. Students interested in these programs of study should contact the chair of the appropriate William Jewell department or program.

PRE-DENTISTRY
See Premedical Study later in this section.

PRE-ENGINEERING PROGRAMS – DUAL DEGREE OPTIONS
William Jewell College is one of a limited number of liberal arts colleges that have entered into an agreement with Washington University in St. Louis for a “three-two” dual-degree program in engineering. After three years in residence at William Jewell College and two years at the Washington University School of Engineering, the student can achieve both the BA degree from Jewell and the BS degree in engineering. William Jewell College also maintains similar 3-2 plans with Vanderbilt University, Columbia University in New York, Missouri University of Science and Technology, and the University of Kansas. While in residence at Jewell, students should major in physics, chemistry, or mathematics, depending upon the type of engineering school in which they plan to complete their studies. Since the semester-hour load is heavy, students are advised to plan their work very closely with the official advisor for this specialized program. Care is needed since the student must meet all of Jewell’s core requirements and most, if not all, of the requirements of a major while still in residence at Jewell. Generally, faculty members from the Department of Physics serve as official liaisons for each of the programs; therefore, students should contact the physics department for more information.

Pre-Engineering Program of Studies
Required classes for dual-degree engineering vary by partner school and by field of engineering. Hence, it is essential that you meet with an advisor in physics, chemistry, or mathematics to be sure you are on track for meeting the requirements. However, most fields of engineering will require the following courses:

- **CHE 121** General Chemistry I (4)
- **CHE 121L** General Chemistry Lab (1)
- **CHE 122** General Chemistry II (4)
- **CHE 122L** General Chemistry II Lab (1)
- **PHY 213** General Physics I (4)
- **PHY 213L** General Physics I Lab (1)
- **PHY 214** General Physics II (4)
- **PHY 214L** General Physics II Lab (1)
- **MAT 190** Introduction to Computer Science (4)
- **CTI 104** Applied Calculus & Statistics (4)
- **MAT 200** Calculus II (4)
- **MAT 201** Calculus III (4)
Pre-Professional Programs of Study
CONTINUED

Additional work will be required or recommended, normally involving courses from the following list:

MAT 202 Differential Equations (4)
MAT 281 Applied Linear Algebra (4)
PHY 306 Applied Electronics (3)
PHY 306L Applied Electronics Lab (1)
PHY 316 Modern Physics (4)
PHY 318 Heat and Thermodynamics (3)
PHY 322 Optics (3)
PHY 322L Optics Laboratory (1)
PHY 332 Analytical Mechanics: Statics (3)
PHY 415 Electricity and Magnetism (4)
PHY 443 Classical Mechanics (4)
A course in economics

PRE-ENVIRONMENTAL MANAGEMENT OR FORESTRY

William Jewell College is a member of the Cooperative College program at the Nicholas School for the Environment at Duke University. This program (hereafter referred to as the Duke 3-2 Program) allows for qualified William Jewell College students to attend 3 years at William Jewell and 2 years at Duke University and emerge with a BA degree from William Jewell College and a professional Masters degree in either Environmental Management or Forestry from Duke University. While there is no requirement for the student to be enrolled in a particular undergraduate major, there are certain prerequisites for the program, and the student must complete most requirements for their William Jewell College degree prior to matriculating at Duke. In order to qualify, students must communicate to the Department of Biology their intention to enter into this track during their first year (preferably first semester) so the Program Advisor can adjust planning to ensure that the student has completed all the course requirements for the student’s major and has prepared adequately for the transition to graduate study.

Specific requirements of the program are listed below:

Program Prerequisites
- Natural or Social Science courses related to the student’s area of interest
- College level course in Calculus* (required)
- College level course in Statistics* (required)
- Undergraduate experience and training in professional writing
- Each program requires additional courses or recommends additional preparation. For details visit the following website: nicholas.duke.edu/programs/professional/the-cooperative-college-3-2-program.

*Students must earn a grade of B- or better in each prerequisite course and earn college credit in order for it to count towards the prerequisite. Pass/Fail courses are not acceptable. Self-paced courses are also not acceptable.

Application Requirements
- Application deadline - February 1
- Application for Admission and Personal Statement
- Application Fee (non refundable)
- A statement from the student’s Dean that he/she will be released from the undergraduate school to enroll in a 3-2 program.
- Three letters of recommendation. At least one letter should be from the official Cooperative College Program advisor and a second should be from another faculty member acquainted with the student’s undergraduate career. If the student has had a significant amount of work experience related to his/her perspective graduate/professional studies, the third letter may be from an employer.
- Transcripts are required for all post-high-school-level course work. If a student transferred from one undergraduate college to another, transcripts are needed from all institutions.
- Standardized Exams – The GRE is required of all applicants. The TOEFL is required of applicants whose first language is not English except for those applicants currently attending an undergraduate institution in the USA.
- Resumé and/or CV encouraged but not required
- To view detailed application information, visit nicholas.duke.edu/programs/professional/apply.

>> www.jewell.edu/preprofessional
Pre-Professional Programs of Study
CONTINUED

Below is a possible three-year plan for a student working toward a BA in Biology from William Jewell College. These three years will be followed by matriculation at Duke University. This schedule does not imply that biology is the preferred major; it is meant only for reference so that prospective students can envision what would be an expected trajectory William Jewell College in order to complete both programs.

FIRST YEAR

Fall Semester
BIO 133 Evolution and Ecology and lab (5)
BIO 135 So, You Want To Be a Biologist? (1)
CTI 100 Responsible Self (4)
CTI 102 Written Communication (4)
LANG 211 Foreign Language (4)

Spring Semester
BIO 134 Biological Diversity and lab (5)
CTI 104 Applied Calculus and Statistics (4)
CHE 121 General Chemistry I and lab (5)
PED 1xx Activity course (1)

Summer Term
CTI 2xx Level II course (4)

SOPHOMORE

Fall Semester
BIO 134 Evolution and Ecology and lab (5)
CTI 104 Applied Calculus and Statistics (4)
CHE 121 General Chemistry I and lab (5)
ENG 220 Business Writing (4)

Spring Semester
BIO 134 Evolution and Ecology and lab (5)
CTI 2xx Level II course (4)
CHE 122 General Chemistry II and lab (5)

JUNIOR

Fall Semester
BIO 233 Cell and Molecular Biology and lab (5)
BIO 360 Senior Thesis (1)
CHE 122 General Chemistry II and lab (5)
ENG 220 Business Writing (4)

Spring Semester
BIO 234 Genetics and lab (5)
BIO 361 Senior Thesis (1)
CTI 2xx Level II course (4)
ECO 101 Principles of Microeconomics and Statistics (4)
BMS 318 Applied Statistics (4)

PRE-LAW

The Pre-Law Advising Program at William Jewell aims to assist students who seek admission to law school and a career in the law. Students interested in the legal profession must obtain admission to law schools after successfully taking the Law School Admissions Test (LSAT). Any student from any major may seek admission to law school. Most law schools strongly recommend taking a rigorous undergraduate program which builds skills in reading complex material and high quality writing. The Pre-Law Program:

- hosts practice sessions for the LSAT;
- hosts sessions with Jewell legal alumni and others on preparing applications for law school, how to choose law schools, and how to succeed in law schools;
- provides advice and counsel about law school applications; and
- provides advice about courses and experiences at William Jewell that help prepare students for law school.

For more information see Dr. Gary Armstrong, director of the Pre-Law Advising Program.

PREMEDICAL STUDY

Students interested in the study of allopathic medicine (M.D), dentistry (D.D.S., D.M.D.), optometry (O.D.), osteopathic medicine (D.O.), or veterinary medicine (D.V.M) should consult with members of the Premedical Advisory Committee. The purpose of the committee is not only to help students prepare for graduate study in the health professions, but also to support the College's mission of providing a sound liberal arts education. The committee encourages students to take advantage of the opportunities available to them, not only on-campus but also off-campus. The challenge to the student is to become a thoughtful and self-disciplined person, who is responsive and sensitive to the needs of society.

The Premedical Advisory Program provides advising for students interested in preparing for doctoral work in the health professions. Students normally first apply for formal admission to the advisory program in January of their second year of college. Following the receipt of the application, together with information about the student's academic credentials, members of the Premedical Advisory Committee will interview each student. Following the interviews, members of the committee will meet and determine the most appropriate action to be taken on each student's application. Full admission to the program is an indication that the committee feels that the student is compiling an admirable record in academics, service, and leadership and has been able to demonstrate both the ability and the determination to work toward a career as a professional in health care.

All students who are interested in the program are supplied information about their chosen career path and about alternatives. Only students who have been admitted to the program are offered a letter of recommendation sent under
the auspices of the Premedical Advisory Committee. The committee also provides these admitted students with mock interviews when the time approaches for interviews at the professional schools.

Students who expect to be admitted to a professional school must maintain a strong scholastic record. The typical course requirements are as follows: chemistry, 20 to 25 semester hours including labs; biology, 10 to 20 semester hours including labs; physics, 10 semester hours including labs; English, 4 to 10 semester hours; math, 4 to 8 semester hours. Students should consult catalogs for the schools that they expect to attend for more specific lists of prerequisites.

THE MINOR
PREMEDICINE

Students who are interested in pursuing graduate-level studies in medicine or related fields take a core of classes in the sciences to help them prepare for the admission process involving those professional programs. The courses in biology and chemistry that most frequently are recommended make up the pre-medicine minor.

Required Courses

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<th>Course</th>
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<tr>
<td>CHE 122</td>
<td>General Chemistry II</td>
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<tr>
<td>CHE 301</td>
<td>Organic Chemistry I</td>
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<tr>
<td>CHE 302</td>
<td>Organic Chemistry II</td>
<td>4</td>
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<tr>
<td>BIO 233</td>
<td>Cell and Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 234</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BMS 250</td>
<td>Human Physiology</td>
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Additional coursework, and not just the classes required for the minor, will be necessary for students to be prepared to begin the competitive application process. (For example, a two-semester sequence in physics is required by most professional schools, and courses like biochemistry, histology, microbiology, and human anatomy are likely to be recommended – if not required – by some programs.) It is also important to note that, while only lecture components of courses are required for this minor, students at William Jewell are normally required to enroll in both lecture and laboratory components. Furthermore, professional schools will expect lab components to be present in these courses.

Students with majors in biochemistry or Oxbridge science are not eligible for the pre-medicine minor because the requirements overlap too extensively.

Coordinated Programs in Medicine
Partners Program (Osteopathic)

William Jewell College, in cooperation with the Kansas City University of Medicine and Biosciences (KCUMB) offers a seven-year coordinated program in medicine (three years at William Jewell and four years at KCUMB) leading to both the bachelor of arts and doctor of osteopathic medicine degrees. Participation in this Partners Program is competitive and is meant to recognize the academic potential of students pursuing a career in medicine. Students who are interested in this program should seek a BA degree in chemistry, biochemistry, or biology in order to be able, in three years, to meet the prerequisites for medical study while taking all courses needed to meet specific requirements for a degree from Jewell.

The Pre-medical Advisory Committee, in cooperation with KCUMB, will select up to two students per year for this program. Interested students are required to participate in an application process during the beginning of the sophomore year. A competitive candidate must have a minimum composite ACT score of 28, and maintain a minimum overall college GPA of 3.25, with a minimum GPA of 3.5 in the sciences. The committee will also consider a student’s first-year academic performance, community service, college and high school activities, and knowledge of and dedication to the field of osteopathic medicine. The Medical College Admissions Test (MCAT) will not be required for admission through the Partners Program. In order to remain in the program, students must maintain an overall GPA of 3.25 and a science coursework GPA of 3.5. Failure to maintain such an average will result in the dismissal of the student from the program. Students selected for the Partners Program must complete a minimum of 90 semester hours of coursework at William Jewell College before matriculation at KCUMB. Students will receive their bachelors’ degrees from William Jewell College following the successful completion of their first year at KCUMB.

Students can pursue professional study at KCUMB after completing a biology major or a biochemistry major or a chemistry major at Jewell. All requirements of the major and the core curriculum must be completed while at William Jewell College, with the first year at KCUMB counting as elective credit toward the BA degree. The following course of study, which would lead to a biochemistry major, is intended as an illustration:

**FIRST YEAR**

**Fall Semester**

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHE 122</td>
<td>General Chemistry II and lab</td>
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<tr>
<td>CTI 100</td>
<td>The Responsible Self</td>
<td>4</td>
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<tr>
<td>CTI 102</td>
<td>Written Communication</td>
<td>4</td>
</tr>
<tr>
<td>CTI 104</td>
<td>Applied Calculus and Statistics</td>
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**Spring Semester**

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<tr>
<td>CHE 205</td>
<td>The Informed Chemist</td>
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</tr>
<tr>
<td>CHE 206</td>
<td>Analytical Chemistry and lab</td>
<td>5</td>
</tr>
<tr>
<td>MAT 200</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>CTI 2xx</td>
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**Summer Term**

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<td>CTI 2xx</td>
<td>Level II course</td>
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</tr>
</tbody>
</table>

>> [www.jewell.edu/preprofessional](http://www.jewell.edu/preprofessional)
Pre-Professional Programs of Study
CONTINUED

SOPHOMORE

Fall Semester
BIO 233  Cell and Molecular Biology and lab (5)
CHE 301  Organic Chemistry I and lab (5)
LANG 211  Foreign Language – Intermediate level (4)
PED 1xx  Activity course (1)

Spring Semester
BIO 234  Genetics and lab (5)
CHE 302  Organic Chemistry II and lab (5)
CHE 450  Biochemistry and lab (5)

Summer Term
BMS 250  Human Physiology and lab (5)

Biology or Chemistry Research (1)

JUNIOR

Fall Semester
BIO 321  Microbiology and lab (5)
CTI 4xx  CTI Capstone (4)
PHY 111 or 213  Physics I and lab (5)
PED 1xx  Activity course (1)

Spring Semester
CHE 401  Physical Chemistry I and lab (5)
CHE 452  Molecular Genetics and lab (5)
PHY 112 or 214  Physics II and lab (5)

Biology or Chemistry Research (1)

Still Scholars Pre-Osteopathic Program

The Still Scholars Program is designed to provide admission opportunities to outstanding students of William Jewell College who have as their goal to become Doctors of Osteopathic Medicine. The program is conducted under the joint collaboration of William Jewell and A.T. Still University, Kirksville College of Osteopathic Medicine (ATSU/KCOM).

Under this program, William Jewell students apply to ATSU/KCOM toward the end of their sophomore year. A maximum of two students from Jewell will be awarded reserved admissions to ATSU/KCOM at the beginning of their junior year. Students complete their junior and senior years and earn a bachelor's degree prior to matriculating at ATSU/KCOM. The advantage for those students accepted into the program is to have a reserved seat (without having to take the MCAT) in ATSU/KCOM's entering class upon graduation from Jewell. Still Scholars will be awarded an academic scholarship from A.T. Still University, Kirksville College of Osteopathic Medicine.

William Jewell students may enroll in any major. Applications are available from the Premedical Advisory Program at Jewell and must be submitted to the Premedical Advisory Committee by April 1 of the sophomore year. Eligibility criteria for the program include a minimum of B-minus in all prerequisite courses for ATSU/KCOM and a minimum GPA of 3.4 overall and 3.4 in the sciences. A minimum of 75% of ATSU/KCOM's prerequisites must be completed before beginning the Still Scholars Program.

Selection will be based upon fulfillment of all academic and course requirements, commitment to osteopathic medicine, community service/leadership positions held, and a successful interview at ATSU/KCOM. All prescribed courses in the baccalaureate program of the applicant's choice must be taken at William Jewell College. Any deviation from the required courses requires written approval from the William Jewell College Premedical Advisor and from ATSU/KCOM Admissions. Participants must complete graduation requirements for William Jewell College in the four years prior to matriculating to ATSU/KCOM. ATSU/KCOM reserves the right, at any time, to reject a student deemed unsuitable for the program. In addition, acceptance will be withdrawn if application is made to another medical/osteopathic school, or if academic, ethical, or moral violation occurs, or if a personal change in career choice is made.

University of Missouri – Kansas City – Medical Scholars Program (Allopathic)

The UMKC School of Medicine offers a Medical Scholars program that offers early and guaranteed admission to undergraduates interested in applying to medical school. Students at a limited number of institutions, including William Jewell, may apply to this program at the end of their sophomore year or junior year. Applications become available each year on May 1 and must be submitted by September 1. An applicant must have a cumulative GPA of 3.5 or higher, with no grades below B- in the sciences.

A person who is accepted into the program must meet the following requirements in order actually to enter medical school:

- Finish a bachelor’s degree.
- Earn a combined MCAT score of at least 26.
- Earn a cumulative GPA of 3.5 or higher.
- Earn a 3.5 GPA, with no grades below B-, in 19 hours of prerequisite chemistry courses and 14 hours of prerequisite biology courses.

PRE-MINISTRY STUDY

See the Vocational and Spiritual Exploration (VSE) section of this catalog.

PRE-OCCUPATIONAL THERAPY

Students may apply to enter the three years plus two years (3-2) program in occupational therapy offered in conjunction with Washington University. Acceptance into the master's program in occupational therapy is solely at the discretion of Washington University. If accepted into the program, completion of the following courses at Jewell leads to a BA degree with a psychology major from William Jewell after successful completion of the first year's work at Washington University. (The student continues at Washington University and, upon successful completion of the program in
Pre-Professional Programs of Study

CONTINUED

occupational therapy, receives the MS degree from Washington University.) Students must complete a minimum of 12 hours of psychology in residence at Jewell. A maximum of 16 hours of the course work in the following list may be taken at an institution other than Jewell:

All of the following courses are required either by Washington University or William Jewell College.

CTI 100 The Responsible Self (4)
CTI 102 Written Communication (4)
or CTI 120 Advanced Written Communication (4)
CTI 103 Math Model Building (4)
or CTI 104 Applied Calculus and Statistics (4)
PED Activities classes (2)
Language Proficiency in a foreign language at the intermediate level (4-12)
CTI Level II One class in each Level II category except "Power & Justice" (13)
CTI 4xx CTI Capstone (4)
PSY 211 Basic Psychology (4)
PSY 303 Abnormal Psychology (4)*
PSY 305 Developmental Psychology: Childhood (2)*
PSY 306 Developmental Psychology: Adolescence (2)*
PSY 320 Experimental Psychology I (4)*
CHE 113 Fundamentals of Chemistry and Lab (6)
or CHE 121 General Chemistry I and Lab (5)
(prerequisite for BMS 250)
BMS 250 Human Physiology and Lab (5)*
BMS 243 Human Anatomy and Lab
or another 200+ level Life Science class and lab (5)*
Electives to total a minimum of 90 hours **

* Grades of B- or better are required in these Washington University prerequisite courses.

** 34 hours toward graduation from Jewell will be completed during the first year at Washington University (including 18 hours accepted for the PSY major).

Other prerequisites

• A minimum of thirty hours of OT-related experience or observation.

• A 3.25 cumulative GPA is required.

Students must inform the 3-2 advisor (in the Psychology Department) of their intention to apply to the 3-2 program before the beginning of their junior year. For more information, contact the 3-2 advisor in the Psychology Department, or see ot.wustl.edu.

PRE-PHYSICAL THERAPY

Students interested in pursuing a degree in physical therapy after graduation from William Jewell should consult with the pre-physical therapy advisor in the Department of Physics. The physical therapy requirements for physical therapy programs vary, but the advisor can assist in the selection of courses that meet the requirements of a specific school or in the selection of courses that meet a composite list of requirements derived from reviewing the requirements of many different schools. The typical prerequisites are as follows: General Chemistry I and II with labs, General Biology (such as BIO 134 and lab), Human Anatomy with lab, Human Physiology with lab, Physics I and II with labs, Psychology (usually 2 courses), Statistics (e.g., BMS 318), English, and Mathematics. Students should consult catalogs for the physical therapy schools that they expect to attend for more specific lists of prerequisites. Students can pursue any major, but a major in biology or psychology may be convenient.

PRE-VETERINARY MEDICINE

See Premedical Study earlier in this section.
Goals for Student Learning

Students who graduate with a major in psychology will have demonstrated

- familiarity with and the life application of the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology;
- understanding and application of elemental research methods in psychology, including research design, data analysis, and interpretation; and
- that they value empirical evidence, tolerate ambiguity, act ethically, and reflect other values that are the underpinnings of psychology as a science.

The department offers one major, which leads to a Bachelor of Arts (BA) degree in psychology. A maximum of 40 hours of psychology courses may be applied toward graduation requirements. A grade of C- or higher is required in each course in the major. Students who earn a BS degree in conjunction with the first major may earn a second major in psychology by fulfilling the core requirements for the BS degree and all departmental requirements.

THE MAJOR

PSYCHOLOGY

The psychology major requires a minimum of 32 hours of course work, 24 of which comprise “the core.” Students personalize the major by selecting eight to sixteen hours of course work from any of the other courses in the department. Introductory courses lay the groundwork for an understanding and overview of psychology’s major areas. Higher-numbered courses typically delve into one or two key areas introduced in the entry course. The Psychology Capstone returns to a unified and integrated perspective.

A number of psychology majors continue their education in graduate school, working toward master’s or doctoral degrees. To this end, the department strives to prepare students for the rigors of graduate study. The psychology curriculum strives to balance theoretical and practical
dimensions by providing the opportunity for more specialized experiences through independent studies or internships. Students have the option of participating in a community mental health intervention program.

The Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PSY 211</td>
<td>Basic Psychology (4)</td>
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<td>PSY 317</td>
<td>Personality (4)</td>
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<td>PSY 320</td>
<td>Experimental Psychology I (4)</td>
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<td>Experimental Psychology II (4)</td>
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<tr>
<td>PSY 322</td>
<td>History and Systems (4)</td>
</tr>
<tr>
<td>PSY 422</td>
<td>Psychology Capstone (4)</td>
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Course Descriptions

**PSY 211 Basic Psychology (4 cr. hrs.)**
An introduction to the major areas of the field; psychology is viewed as a biosocial science of behavior, and emphasis is placed on the scientific basis of our current understanding of behavior. This class is a prerequisite to all other courses in the department.

**PSY 303 Abnormal Psychology (4 cr. hrs.)**
A descriptive and explanatory study of the major behavior and personality disorders of both childhood and adulthood, including psychogenic, psychosomatic, and organic problems. Consideration is given to DSM diagnostic categories and therapeutic procedures. Fall and spring semesters.

**PSY 304 Social Psychology (4 cr. hrs.)**
A study of the influence of other people and of society collectively on selected aspects of an individual's behavior, thinking and personality; with special attention to the dynamics of group behavior and social thought. Spring semester.

**PSY 305 Developmental Psychology: Childhood (2 cr. hrs.)**
Childhood is studied to understand how and why people change over time. The class typically spans from conception to age 12. A broad-based approach is taken in order to understand development. Issues include the biological, social and behavioral influences on development. Fall and spring semesters.

**PSY 306 Developmental Psychology: Adolescence (2 cr. hrs.)**
Adolescence is studied to understand how and why people change over time. The class typically spans from 13 to 22 years. A broad-based approach is taken in order to understand development. Issues include the biological, social and behavioral influences on development. Fall and spring semesters.

**PSY 307 Life Span Developmental Psychology (4 cr. hrs.)**
A broad-based approach is taken in order to understand human development across the life span, from conception to death. Issues studied include biological, social, and behavioral influences on development. A scientific approach is used in examining key past forces that shape the individual. (Students may not earn credit toward graduation for PSY 307 if they have taken PSY 306.)

**PSY 308-309 Independent Studies (Junior and below) (1-4 cr. hrs.)**

**PSY 312 Physiological Psychology (4 cr. hrs.)**
A study of the biological foundations of behavior: the neural and glandular structures and functions, the sensory and motor equipment, and their significance for a psychological understanding of behavior. Psychopharmacology is discussed as it relates to drug effects on the neuron. Disorders that have a neurological (e.g., progressive supranuclear palsy) or developmental (e.g., agenesis of the corpus callosum) are discussed. Offered fall semester, even numbered years.

**PSY 317 Personality (4 cr. hrs.)**
The course investigates major contemporary theories of personality and its formation. Different viewpoints about the nature and functioning of personality are compared and evaluated. The concept of personality is related to such major issues of human nature as determinism vs. free will, rationality, hedonism and unconscious mechanisms. Spring semester.

**PSY 320 Experimental Psychology I (4 cr. hrs.)**
An introduction to the experimental methods, statistical analysis and procedures used in psychological research. Students participate in experiments, collecting data, analyzing data through statistics and writing results in APA style. Lecture and laboratory. Required for psychology majors. Normally taken fall semester of sophomore or junior year.

**PSY 321 Experimental Psychology II (4 cr. hrs.)**
In-depth treatment of hypothesis testing, research design, data analysis, and sampling. Emphasis on application of scientific reasoning. Students conduct an empirical study from design through data collection, analysis, and reporting. Required of majors. Normally taken spring semester of sophomore or junior year. Prerequisite: PSY 320.

**PSY 322 History and Systems (4 cr. hrs.)**
The rise and growth of modern psychology in its contemporary expressions. Attention is given to origins, major developments, and ongoing trends in psychological thought. The role of psychological thought in individual and societal change is considered. Required of majors. Normally taken fall semester senior year. Prerequisites: PSY 317, 320, 321.

>> [www.jewell.edu/psychology](http://www.jewell.edu/psychology)
PSY 400 Clinical Psychology (4 cr. hrs.)
Exploration of clinical psychology as a profession with inquiry into professional relationships and organizations. Psychotherapeutic treatment of behavioral disorders, an introduction to psychological testing, recording of progress notes/reports, and legal/forensic issues are explored. Spring semester. Prerequisites: PSY 303 and two other PSY courses OR permission of instructor.

PSY 408-409 Independent Projects for Seniors (1-4 cr. hrs.)

PSY 411 Contemporary Issues in Psychology (2 or 4 cr. hrs.)
This course is designed as a seminar approach for current topics of importance to psychologists. The content of the course is determined by student interests and areas of expertise of the faculty. Typically, students prepare cases or papers, and review current readings and books relevant to the course. Two-hour classes run half the semester; four-hour courses last the entire semester. Offerings are based on student demand and faculty availability.

PSY 421 Seminar (1-4 cr. hrs.)
Topics to be announced, prior to registration, in special interest areas not justifying a regularly scheduled course. Enrollment by permission of department only.

PSY 422 Psychology Capstone (4 cr. hrs.)
This class is designed to be an integrative experience for the entire curriculum. Topics that are examined enable the student to see connecting links among the various areas of psychological study. The course also uses an interdisciplinary approach to reveal the relationship of psychology to other academic disciplines. Required of all majors. Taken spring semester of senior year. Prerequisites: PSY 317, 320, 321, 322.
THE W.D. JOHNSON DEPARTMENT OF RELIGION

Chair: Professor Brad Chance
Professor: Milton Horne

Goals for Student Learning

The curricular mission of the Department of Religion is to lead students who major in Religion and Culture to understand religion as a significant part of the human experience, simultaneously shaping and being shaped by cultures, societies, and worldviews. To this end, students will become acquainted with the sacred scriptures and basic history and tenets of major world religions. Students will acquire a more in-depth understanding of the histories, beliefs, and scriptures of Judaism and Christianity and will have the opportunity to explore more fully the third of the Abrahamic religions, Islam; they will understand the roles of the dialectical relationship between religion and the societies in which they are embedded with respect to such issues as science and religion and engagement with contemporary culture. Students will come to understand the roles that religion sacred texts play both to legitimate and to challenge given cultural norms and practices. Students will be encouraged to recognize that religion plays its most significant role in society when it assumes a stance to affirm human dignity and to challenge social and cultural structures that diminish such dignity. Finally, students will learn essential skills to do original research in religion appropriate for undergraduate students.

The department offers one major, which leads to the Bachelor of Arts (BA) degree, and one minor.

>> www.jewell.edu/religion

THE MAJOR

RELIGION AND CULTURE

Students are encouraged not to take higher-level courses in religion until they have completed courses in the previous level. CTI 100, The Responsible Self (4), or permission of the instructor, is a prerequisite for all intermediate and advanced religion courses. For non-majors, completion of a CTI “Sacred and Secular” course or permission of the instructor is a prerequisite for taking intermediate and advanced religion courses. During the senior year, students will complete a senior project as part of the advanced capstone course. Students fulfilling any requirements through overseas study must get prior approval in advance from the department chair.
**Required Courses**

- REL 115 Exploring the World's Sacred Scriptures (4)
- REL 270 Religion in the Modern Age (4)
- REL 215 Reading the Bible Then and Now (4)
- or REL 272 Judaism, Christianity, and Islam (4)
- REL 275 Magic, Science, and Religion (4)
- or REL 276 God, Nature, and Science (4)
- REL 375 Issues in the Study of Religion (4)
- REL 470 Capstone: Religion, Social Stability, and Social Change (4)

**Designated Elective** (2-5 hours) - One of the following:

1. REL 215 or 272 or 275 or 276 (a class not used to meet one of the above requirements)
2. Internship or overseas study experience approved by the department
3. A course from another discipline or subject that involves the study of religion or a subject that complements or enriches the study of religion. The department must approve any such course that is not on the following list:
   - ARA 211 Intermediate Modern Arabic I
   - ART 250 Western Art History I
   - ART 353 Greek and Roman Art and Mythology (3 or 4 hrs.)
   - BIO 133 Evolution and Ecology (5 hrs. with lab)
   - BIO 134 Biological Diversity (5 hrs. with lab)
   - CTI 258 Astronomy and Cosmology (5 hrs. with lab)
   - CTI 259 The Ecology of Food (5 hrs. with lab)
   - CTI 262 Astrobiology (5 hrs. with lab)
   - ENG 330 Introduction to Textual Study
   - GRK 211 Intermediate Ancient Greek
   - HIS 103 World History I
   - HIS 104 World History II
   - HIS 229 History of the Middle East
   - HIS 322 World War II and the Holocaust (or CTI 280)
   - LAT 211 Intermediate Latin
   - LSP 100 Introduction to Philanthropy, Volunteerism, & Nonprofit Sector (2 hrs.)
   - LSP 250 Leadership: Cornerstone Course (2 hrs.)
   - MUS 344 Christian Hymnody (or CTI 233)
   - PHI 202 Ethics

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**THE MINOR**

**RELIGIOUS STUDIES**

The curricular mission of the Department of Religion is to lead students who minor in Religious Studies to understand religion as a significant part of the human experience, simultaneously shaping and being shaped by cultures, societies, and worldviews. To this end, students will become acquainted with the sacred scriptures and basic history and tenets of major world religions. Students will learn essential skills to do original research in religion appropriate for undergraduate students. Students will have the option to acquire a more in-depth understanding of 1) the histories and beliefs of the Abrahamic religions, or 2) the roles of the dialectical relationship between religion and the societies in which they are embedded with respect to such issues as science and religion and engagement with contemporary culture or 3) the roles that religion and sacred texts play both to legitimate and to challenge given cultural norms and practices. Students will be encouraged to recognize that religion plays its most significant role in society when it assumes a stance to affirm human dignity and to challenge social and cultural structures that diminish such dignity.

**Required Courses**

- REL 115 Exploring the World's Sacred Scriptures (4)
- Two 200-level REL courses (8)
- REL 375 Issues in the Study of Religion (4)
Course Descriptions

REL 115 Exploring the World’s Sacred Scriptures (4 cr. hrs.)
This course offers a comparative study of the scriptures of the world, including the Jewish TaNaK, the Christian New Testament, the Muslim Quran, the Buddhist Pali Canon, and the Hindu Puranas. Students will learn important information about the historical and cultural backgrounds of these texts and some foundational features of the religions that these texts represent.

REL 215 Reading the Bible Then and Now (4 cr. hrs.)
This course examines the history of biblical interpretation, beginning with Jewish interpretations of biblical traditions and culminating with modern and postmodern approaches to interpreting the Bible as a historical, literary, and theological text. Prerequisite for majors and minors: REL 115. Offered every fall. Cross-listed as CTI 238. It is recommended that students enrolling in this course be eligible to take Level-II CTI courses.

REL 270 Religion in the Modern Age (4 cr. hrs.)
Through the study of significant shapers of modern religious studies, students explore how human communities create and maintain worlds of meaning in response to experiences of the sacred. The ongoing significance of religion in a modern context, influenced by skepticism and scientific naturalism, is given focused attention. Offered every spring. Cross-listed as CTI 238. It is recommended that students enrolling in this course be eligible to take Level-II CTI courses.

REL 272 Judaism, Christianity, and Islam (4 cr. hrs.)
This course examines separately the historical development of Judaism, Christianity, and Islam and then moves to historical and contemporary comparisons among these three great monotheistic religions. The study also explores the significant instances of intellectual and textual cross-fertilization that have shaped the development of these religions. Visits to representative places of worship will be part of the learning experience. Recommended prerequisites: REL 115 for majors and minors. Offered every fall and regularly in the spring. Cross-listed as CTI 239. It is recommended that students enrolling in this course be eligible to take Level-II CTI courses.

REL 275 Magic, Science, and Religion (4 cr. hrs.)
This course studies the distinctions that emerge between magic, science and religion when seeking to understand whether and how a civilization’s reasons for confidence in science differ from those that support its belief in religion. The course will be structured around the categories, often applied to religion, of mystery, salvation, causation, and theodicy as they apply to all three topics (magic, science and religion). Also listed as CTI 236. It is recommended that students enrolling in this course be eligible to take Level-II CTI courses.

REL 276 God, Nature, and Science (4 cr. hrs.)
Students will learn essential features of the neo-Darwinian theory of evolution, as well as religious, primarily Christian, arguments both challenging and affirming the theory. Evolution grounds human existence interdependently within nature, not over and above nature, a status that religion can either endorse or challenge. The course explores biblical responses to the issue of human ecological responsibility, including the study of both "green-friendly" and "not-so-green-friendly" texts. Offered every spring. Also listed as CTI 246. It is recommended that students enrolling in this course be eligible to take Level-II CTI courses.

REL 375 Issues in the Study of Religion (4 cr. hrs.)
This seminar explores a selected topic of contemporary significance in religious studies, employing critical methods of investigation in order to develop skills as students of religion. Students will read and analyze texts appropriate for an undergraduate seminar in religion and employ such texts in the construction of an individual research paper. Students may repeat the course if different issues are studied. Recommended prerequisites for majors: REL 115, 270 and Elective Religion Courses or permission of the instructor; prerequisites for minors: REL 115 and completion of REL 200-level courses or permission of the instructor. Offered each spring.

REL 455 Independent Studies (1-4 cr. hrs.)
Independent studies in a selected area according to the interest and ability of the student, including a teaching practicum. May be accomplished in an off-campus project or honors program with prior approval of the department. A formal written summary of the project findings will be submitted.

REL 470 Capstone: Religion, Social Stability, and Social Change (4 cr. hrs.)
This capstone seminar revisits important issues explored in earlier religion courses that give attention to the role of religion in contemporary culture. Students will read important neo-classical works in the sociology and anthropology of religion to see how religion serves as a source both to legitimate and challenge given social structures. Students will engage in original research. Prerequisites: Religion Core courses (115, 270, and 375) and Religion Electives (215 or 272 AND 275 or 276) or permission of instructor. Generally offered fall of odd years.
Service Learning Program

Service-learning at William Jewell College is a curriculum-based pedagogy in which students are actively involved in service that is integral to their learning. The goal of service-learning is to enhance the acquisition of knowledge, to cause engagement in critical thinking and reflection, and to promote concern for the common good. The focus of the service component is individuals and communities that represent the diversity inherent in the world.

Service-learning is not only service to the community, but it also includes a learning component so that specific coursework is incorporated into the service and supplemented with ongoing reflection. The purpose of service-learning is to give students the opportunity to apply their skills and coursework while providing a meaningful service to the local community and meeting course objectives.

The Service-Learning Program is a series of electives open to all students designed to encourage students to learn and develop through active involvement in organized community service. In each course students encounter human needs, analyze the conditions creating problematic situations, perform actual service, and evaluate the service activity. In addition, the service-learning experiences provide students with opportunities to use newly acquired knowledge and skill in real life situations. Students interested in discussing and better understanding human needs and suffering, through a variety of service opportunities, programs, and ministries are encouraged to take service-learning classes. Service-learning involves serving, reading, reflection, and writing. Students completing the three courses listed below with a grade of C- or better will receive the Service-Learning Certificate. (A student may substitute two CTI level II classes with a service-learning component for SVL 201.) Information about the program is available on the College website.

SVL 101 Meeting Human Needs and Alleviating Suffering (2 cr. hrs.)
This course examines a variety of human and social conditions that disrupt healthy, joyful, meaningful, and satisfying lives. Various community-based services will be explored to better understand their strategies and impact on meeting human needs. Special attention will be given to career and volunteer opportunities in the nonprofit sector of society. Each student is required to complete 15 hours of community service during the semester. This course will satisfy a number of competencies in the Jewell Nonprofit Leadership Certificate Program and is an elective for the Nonprofit Leadership major.

SVL 201 Strategies and Resources for Meeting Human Needs (2 cr. hrs.)
A variety of strategies and resources will be examined about helping people who experience heightened need and injustice. Special attention will be given to various perspectives about service through the study of nonprofit organizations (Habitat for Humanity), individual service models (Martin Luther King, Jr. and Dorothy Day), and students’ individual strengths and resources. Each student is required to complete 30 hours of community service during the semester. Prerequisite: SVL 101 or permission of the instructor. This course will satisfy a number of competencies in the Jewell Nonprofit Leadership Certificate Program and is an elective for the Nonprofit Leadership major.

SVL 301 Service Learning Internship (2 cr. hrs.)
This internship allows students to become engaged in community service pertaining to a social concern of their own choice. Interns will work directly for a minimum of 80 clock hours with a nonprofit agency or organization toward fulfilling defined learning competencies. Internships may also include certain overseas or domestic service learning trips. Students need to make appropriate arrangements to set up the internship the semester prior to beginning. This course emphasizes reflecting, reading and writing about the internship experience. Prerequisites: SVL 101, 201 or permission of the instructor. Students should contact the Nonprofit Leadership Association advisor to see if these internship hours count toward the 300 hour internship requirement for Jewell Nonprofit Leadership Certificate Program.
Courses in Vocational and Spiritual Exploration provide a spiritual dimension to a person's life and career exploration. According to James Fowler, "Vocation is the response a person makes with his or her total self to the address of God and to the calling to partnership." VSE courses are open to all students regardless of academic major and are designed for personal spiritual growth.

The VSE program also serves as a pre-professional program for students considering religious service as a primary career. The VSE program involves 6 credit hours of course work plus a major or minor from the Department of Religion. A semester-long, supervised internship is required that includes a weekly peer group and significant personal reflection. Participation in the VSE program includes a Talent/Co-curricular Financial Award that is subject to the rules and regulations governing financial assistance.

The VSE Program is for students of any major who are in one of the following categories:

- planning on pursuing a career in a church-, synagogue-, or mosque-related vocation;
- planning on being involved in religious service as a volunteer;
- wanting to learn and practice a variety of skills involved in a career in a church, synagogue, or mosque;
- planning on attending seminary, rabbinical school, or other graduate-level education that is related to a career in a church, synagogue, or mosque; or
- considering post-graduate short-term or vocational missions or humanitarian service

Requirements

Participation in the VSE program involves the following requirements:

- Be accepted into the program on recommendation of the student’s faith community and approval of the Dean of the Chapel.
- Make progress toward a major or a minor in Religion.
- Successfully complete VSE 201, Finding One’s Calling, during the first fall semester in the program.
- Successfully complete VSE 203, Vocational and Spiritual Exploration Internship.
- Successfully complete two of the following: VSE 205, 209, or 211.
- Maintain active membership in Sigma Epsilon Pi.
- Maintain active involvement in a campus religious organization, including Jewell Chapel.
- Participate in a ministry project at least once per semester or be employed/involved in a local faith community.

Students interested in the VSE program should (1) complete the VSE application, available online at [www.jewell.edu](http://www.jewell.edu); (2) give the completed application to their minister, rabbi, or other religious leader; and (3) talk with their minister, rabbi, or other religious leader about their commitment to and interest in religious service. The minister, rabbi, or other religious leader then sends the application to the Dean of the Chapel along with a letter affirming the student’s pursuit of a vocation related to religious service.

Pre-Seminary/Rabbinical School Study

William Jewell College follows closely the recommendations of the American Association of Theological Schools on pre-seminary/rabbinical school study. A summary of college recommendations follows.

Recommendations for Pre-Seminary/Rabbinical School Studies

William Jewell College follows closely the recommendations of the American Association of Theological Schools on pre-seminary/rabbinical school study. A summary of college recommendations follows.

Recommendations for Pre-Seminary/Rabbinical School Studies

Skills and Mindset

- Communication skills: writing and speaking.
- Ability to think critically.
- Appreciation for the Abrahamic traditions while remaining attentive to one’s own and others’ experiences.
- Awareness of growing sense of moral responsibility, both personal and social.
- Awareness of the world and its complexities.
Information Base

- A fundamental understanding of the tools and methods of biblical interpretation.
- A basic grasp of biblical history and the Judeo-Christian heritage.
- An awareness of the theological and biblical resources that shape Judeo-Christian ethics.
- Familiarity with the historical, philosophical, and literary developments of Western civilization.
- Awareness of religious traditions beyond the Jewish and Christian traditions.
- A basic competence in Greek syntax, grammar, and reading skills.
- Some basic hands-on experience in ministry (through the VSE program).

Subjects in Pre-Seminary Study

By combining their study in the Department of Religion with a complementary area of study at William Jewell, students will be better prepared for the significant learning experiences of seminary and for the field of service to which they have been called. The religion and culture major normally requires 26 to 29 hours. These requirements often leave enough time to pursue another area of study to provide a solid liberal arts base for seminary or rabbinical study.

Possible combinations follow:

- for pastoral ministry – religion + literature or history
- for sacred/liturgical music – religion + music
- For family-life programs/recreation – religion + recreation & sport
- for evangelism – religion + communication
- for mission field – religion + foreign language
- for faith-related counseling – religion + psychology
- for denominational service – religion + business

General Information

All pre-seminary/rabbinical students should have a professor in the Department of Religion serve as an academic advisor throughout their course of study. When a major other than religion is chosen, a joint program of advising will be undertaken with a member of the department of major study advising in academic matters pertaining to the major. The double major (religion plus another area) is strongly recommended.
Course Descriptions

VSE 201 Finding One's Calling (2 cr. hrs.)
This course is designed to acquaint students with a basic understanding of vocation, approaches for discernment of one's calling or vocation, and vocation in the context of community. Students are encouraged to begin a program of personal spiritual formation, which is essential for personal spiritual growth/maturity and effective vocation. Offered each fall semester. Elective credit only.

VSE 203 Vocational and Spiritual Exploration Internship (2 cr. hrs.)
This course is designed to give students practical experience in a vocationally relevant internship and provide support and encouragement for students in these internships. The course includes three dimensions: the practical internship, peer interaction, and personal reflection. An advanced goal of the course is the practice of theological reflection. VSE 203 may be repeated for a second semester. Prerequisite: VSE 201 Offered each fall semester. Elective credit only.

VSE 205 Spiritual Formation (1 cr. hr.)
This course is a study of spiritual formation and faith development in adolescents and adults and the role of the community in vocation or formation. Central to the course are the concepts of vocation and paideia. Students gain an understanding and appreciation for what is meant by faith. Students learn about the faith development theory of James Fowler. Finally, students are able to plan for the development of Christian vocation through Christian paideia for youth and adults in a Christian community. Offered spring semester of even-numbered years. Elective credit only.

VSE 209 Preparation for Marriage (1 cr. hr.)
This course prepares students for being good marriage partners through a study that includes but is not limited to the following topics: identifying a good marriage partner for yourself, realistic expectations for marriage, family of origin impact, personality impact on relationship, faith as the strengthening part of marriage, and resolving conflict in marriage. Offered spring semester of odd-numbered years. Elective credit only.

VSE 211 Faith and Life's Crises (1 cr. hr.)
This course is a study of life-challenges faced by all persons in relation to faith and spirituality. Challenges include life stages and life crises. Offered spring semester of odd-numbered years. Elective credit only.
Faculty

Date after name indicates year of first appointment.

Department of Art


Rob L. Quinn, 2000, Assistant Professor of Art and Chair. B.S. Ed., 1978, M.S.Ed., 1990, Northwest Missouri State University.

Department of Biology

Tara J. Allen, 2000, Dr. Burnell Landers Professor of Biology and Chair. B.S., 1996, University of Evansville; Ph.D., 2000, University of Missouri.


Jennifer M. Moody, 2007, Assistant Professor of Biology. B.A., 1995, Drury University; M.S., 2000, Missouri State University; Ph.D., 2006, University of Texas-Arlington.

Rose M. Reynolds, 2012, Assistant Professor of Biology. B.S. 1998, Arizona State University West; Ph.D., 2007, University of Illinois at Urbana-Champaign.

Department of Business and Leadership


Elizabeth R. Hoyt, 1981, Assistant Professor of Business Administration. B.S., 1975, Northwestern University; M.B.A., 1979, University of Wisconsin.


Kevin W. Shaffstall, 2001, Assistant Professor and Director of the Pryor Leadership Studies Program. B.S., 1986, Kansas State University; M.A., 1996, Webster University.


Department of Chemistry


Amy N. Kerzmann, 2011, Assistant Professor of Chemistry; Director of Premedical Advising. B.A., 2002, Jamestown College; Ph.D., 2009, Indiana University.

Edwin H. Lane, 1980, Professor of Chemistry and Chair; College Registrar. B.S., 1972, Ph.D., 1977, University of Oklahoma.

Jason A. Morrill, 2004, Associate Professor of Chemistry. B.S., 1996, Central Missouri State University; Ph.D., 2001, University of Missouri-Kansas City.


Department of Communication


Gina E. Lane, 1985, Professor of Communication and Chair. B.S., 1981, Northwest Missouri State University; M.A., 1982, University of Arkansas; Ph.D., 1995, University of Kansas.


Department of Education


**Department of English**


**Department of History**


Jane F. Woodruff, 1997, Professor of History and Classical Languages. B.S., 1971, Southwest Missouri State University; M.A., 1973, University of South Dakota; Ph.D., 1987, University of Nebraska.

**Department of Languages**


Jane F. Woodruff, 1997, Professor of History and Classical Languages. B.S., 1971, Southwest Missouri State University; M.A., 1973, University of South Dakota; Ph.D., 1987, University of Nebraska.

**Library Faculty**


**Department of Music**


Phillip W. Schaefer, 1976, Assistant Professor of Music; Director of Instrumental Activities. B.A., 1968, University of Northern Iowa; M.S., 1976, University of Illinois.


**Department of Nursing**


Marguerite (Jan) Huster, 2011, Instructor of Nursing. B.S.N., 1977, University of Missouri-Columbia; M.S.N., 2011, University of Kansas.


Phillip W. Schaefer, 1976, Assistant Professor of Music; Director of Instrumental Activities. B.A., 1968, University of Northern Iowa; M.S., 1976, University of Illinois.


**Department of Nursing**


Marguerite (Jan) Huster, 2011, Instructor of Nursing. B.S.N., 1977, University of Missouri-Columbia; M.S.N., 2011, University of Kansas.


Phillip W. Schaefer, 1976, Assistant Professor of Music; Director of Instrumental Activities. B.A., 1968, University of Northern Iowa; M.S., 1976, University of Illinois.

Department of Philosophy


Department of Physical Education

Darlene Bailey, 2009, Athletic Director; Assistant Professor of Physical Education and Chair. B.A., 1982, William Jewell College; M.S., 1983; Ph.D., 1987, Ohio University.


Larry R. Holley II, 1979, Assistant Professor of Physical Education; Head Basketball Coach. A.B., 1967, William Jewell College; M.Ed., 1968, University of Missouri.


Shawn A. Weigel, 2006, Instructor in Physical Education; Assistant Football Coach. B.A., 1992, Doane College; M.S., Texas A&M University-Commerce.

Department of Physics and Mathematics


Patrick H. Bunton, 2000, Professor of Physics; Chair of Department of Physics and Mathematics. B.A., 1984, East Tennessee State University; M.S., 1987, Ph.D., 1990, Vanderbilt University.


Erin Martin, 2009, Assistant Professor of Mathematics. B.S., 2000, Brigham Young University; M.S., Ph.D., 2008, University of Utah.

David McCune, 2012, Assistant Professor of Mathematics. B.S., 2005, Baylor University; M.S., 2007, University of Nebraska-Lincoln; Ph.D., 2011, University of Lincoln-Nebraska.


Department of Political Science


Department of Psychology


C. Ray Owens, 1983, Professor of Psychology and Chair. B.S., 1975, Houston Baptist University; M.A., 1977, University of Houston at Clear Lake City; Ph.D., 1985, Utah State University.


Department of Religion

J. Bradley Chance, 1982, Professor of Religion and Chair; Director of Academic Advising. A.B., 1975, University of North Carolina; M.Div., 1978, Southeastern Baptist Theological Seminary; Ph.D., 1984, Duke University.

Emeriti Faculty

Mary Ellen Bleakley  Professor of education, 1977-2006.
Helen L. Brown  Professor of music, 1984-2004.
Kenneth B. Chatlos  Professor of history, 1973-2006
D. Dean Dunham  Professor of English, 1969-2006.
W. Arnold Epley  Professor of music and director of choral studies, 1982-2009.
Cynthia A. Green  Professor of education, 1989-2011.
Kim B. Harris  Professor of communications and director of theatre, 1979-2012.
Lois Anne Harris  Professor of communications, 1979-2012.

Otis E. Miller  Professor of economics, 1978-1998.
Faye E. Moore  Professor of education, 1979-1999.
Sylvia F. Nadler  Professor of physical education 1990-2004.
Phillip C. Posey  Professor of music, 1965-2002.
Pauline P. Riddle  Professor of music, 1972-1997.
Deborah R. Scarfino  Associate professor of business administration, 1979-2011.
Jimmie E. Tanner  Dean of the college and provost; Professor of English, 1980-1998.
Robert D. Troutwine  Professor of psychology, 1980-2011.
Tom H. Willett  Professor of communication, 1967-1995.
John D. Westlie  Professor of French, 1985-2012.
Michael E. Williams  Professor of English, 1987-2005.
John P. Young  Assistant professor and director of the library, 1964-2005.
Administrators


Clark W. Morris, 1990, Vice President for Institutional Advancement and Executive Director of the Harriman-Jewell Series. B.A. degree from William Jewell College, M.B.A. degree from Mid-America Nazarene University, graduate of the Executive Program for Non-Profit Leaders in the Arts at the Stanford Graduate School of Business.


Gary G. Bracken, 2011, Vice President for Enrollment. B.S. degree from Indiana University of Pennsylvania, M.A. degree from Columbia University - Teacher’s College, and additional graduate studies at Syracuse University.
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### 2012 - 2013 Planning Calendar

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<td>Finals Preparation Day (No classes) 12/10 (M)</td>
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<tr>
<td>Residence Halls Open</td>
<td>Final Examinations 12/11-14 (T-F)</td>
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<tr>
<td>New Student Orientation 8/18-21 (Sa-T)</td>
<td>Christmas Holidays (Campus closed) 12/22-1/1 (Sa-T)</td>
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<tr>
<td>Classes Begin</td>
<td>Cardinal Term 1/7-18 (M-F)</td>
</tr>
<tr>
<td>Last Day to Register/Add Classes 8/28 (T)</td>
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<tr>
<td>Labor Day (Offices closed) 9/3 (M)</td>
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<tr>
<td>Opening Convocation 9/5 (W)</td>
<td>Classes Begin 1/22 (T)</td>
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<tr>
<td>Homecoming 9/29</td>
<td>Last Day to Register/Add Classes 1/28 (M)</td>
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<tr>
<td>End of First Seven Weeks 10/10 (W)</td>
<td>End of First Seven Weeks 3/11 (M)</td>
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<tr>
<td>Fall Break 10/11-14 (Th-Su)</td>
<td>Begin Second Seven Weeks 3/12 (T)</td>
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<tr>
<td>Begin Second Seven Weeks 10/15 (M)</td>
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<tr>
<td>Advising Days (Students meet with advisors) 10/30 (T) and 11/7 (W)</td>
<td>Spring Break 3/16-24 (Sa-Su)</td>
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<td>Thanksgiving Break 11/21-25 (W-Su)</td>
<td>Classes Resume 3/25 (M)</td>
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<tr>
<td>Classes Resume 11/26 (M)</td>
<td>Good Friday (Campus closed) 3/29 (F)</td>
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<tr>
<td>Last Day of Fall Semester Classes 12/7 (F)</td>
<td>Easter Monday (No classes) 4/1 (M)</td>
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</table>

### 2013 - 2014 Planning Calendar

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<tr>
<th>Fall Semester 2013</th>
<th>Final Semester 2013 (cont.)</th>
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<td>Final exams 12/10-13</td>
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<tr>
<td>Residence halls open 8/17</td>
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<td>New student orientation 8/17-20</td>
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<td>Classes begin 8/21</td>
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<tr>
<td>Last day to register or add classes 8/27</td>
<td>Residence halls open (2 p.m.) 1/19</td>
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<tr>
<td>Labor Day (no classes; campus closed) 9/2</td>
<td>Classes begin 1/21</td>
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<tr>
<td>Opening Convocation 9/4</td>
<td>Last day to register and add classes 1/27</td>
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<tr>
<td>Homecoming TBD</td>
<td>Achievement Day Convocation TBA</td>
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<tr>
<td>End of first seven weeks 10/9</td>
<td>End of first seven weeks 3/10</td>
</tr>
<tr>
<td>Fall break (no classes) 10/10-13</td>
<td>Begin second seven weeks 3/11</td>
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<tr>
<td>Begin second seven weeks 10/14</td>
<td>Spring break (no classes) 3/15-23</td>
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<tr>
<td>Advising days 10/9, 11/6</td>
<td>Advising day (no classes) 4/8</td>
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<tr>
<td>Thanksgiving holiday (no classes; campus closed) 11/27-12/1</td>
<td>Good Friday (campus closed; essential services only) 4/18</td>
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<td>Last day of classes 12/6</td>
<td>Easter Monday (no classes) 4/21</td>
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<tr>
<td>Finals prep day (no classes) 12/9</td>
<td>Colloquium Day/Honors Convocation (no classes) 4/25</td>
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<tr>
<td>Graduation (7 p.m., Gano/Reception Yates-Gill) 12/10</td>
<td><strong>Spring Semester 2014 (cont.)</strong></td>
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<td><strong>Fall Semester 2013</strong></td>
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<td><strong>Summer Term 2014</strong></td>
<td>Finals prep day (no classes) 5/12</td>
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<tr>
<td>Classes begin 6/2</td>
<td>Final exams 5/13-16</td>
</tr>
<tr>
<td>Independence Day (no classes) 7/4</td>
<td>Baccalaureate/Commencement 5/17</td>
</tr>
<tr>
<td>Last day of classes 7/26</td>
<td><strong>Summer Term 2014</strong></td>
</tr>
</tbody>
</table>

*Classes on the previous Thursday will follow a Friday class schedule.*