

# **William Jewell College**

**2010 supplement  
to the  
2009-2011 Catalog**

## **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 race, color, gender, sexual orientation, national origin, disability, age, religion, 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 the Office of Human Resources at the College, or to the Director of the Office for Civil Rights, Department of Health, Education and Welfare, Washington, D.C. The College also has a Professional Conduct and No Harassment Policy that is set forth in the WJC 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 officially connected with the College who have legitimate educational interests. A person has a legitimate educational interest if s/he needs to review an educational record in order to fulfill 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, as defined in the WJC Student Handbook, unless the student has submitted a written request for this information to be kept confidential.

### **Catalog Accuracy and Changes**

Every effort is made to ensure that the 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 the 2009-11 printed catalog as modified by this supplement.

This supplement to the printed 2009-2011 catalog of the College was prepared in July 2010 and reflects *changes* to academic policies and curriculum that take effect in Fall 2010. A complete picture of current academic policies and curriculum requires viewing the printed 2009-11 catalog in light of the additions, deletions, and modifications included in this document.

# The Academic Program

## Academic Policies

The following policies have been modified:

### **Academic Honesty** [p. 17 of printed catalog]

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 expected conduct of students is addressed by the Honor Code and the Standard of Conduct in the Student Handbook. 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.

### **Incomplete Grades** [p. 18 of printed catalog]

A grade of I (for Incomplete) may be given in any regular 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). An extension of this deadline requires an amended written contract between instructor and student and the approval of the Dean of the College.

**Grade Appeal Procedure** [p. 20 of printed catalog]

Students who wish to appeal a grade in a course are encouraged first to contact the instructor of the course 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 formally appeal a grade, the student makes the case in writing to the Dean of the College that the grade is unfair. The Dean forwards a copy of that statement to the instructor, asking for a response, also in writing. Once the Dean 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.

# Programs of Study

## Academic Core Curriculum

### Critical Thought and Inquiry

#### The Curriculum

The requirements of Level I were modified for students matriculating in Fall 2010 and later. (Requirements in Level II and in Level III were unchanged.) Students matriculating prior to Fall 2010 will follow the requirements that are printed in earlier catalogs.

**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 or CTI 120	Written Communication (4) or Advanced Written Communication (4)
CTI 103 or CTI 104	Math Model Building (4) or Applied Calculus and Statistics (4)

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 must complete the CTI courses in Level I before beginning the first Level II course. Students must seek approval of the Associate Dean to co-enroll in Level I and II courses.

## Course Descriptions

### Level I: (changes)

#### **CTI 101 The Responsible Speaker (4 cr. hrs.)**

*This course has been renamed COM 100, Fundamentals of Speech Communication, and now appears under the Communication and Theatre listing. Students matriculating prior to Fall 2010 are required, as a part of Level I, to take CTI 101 (offered for the last time in Summer 2010) or COM 100 (offered beginning Fall 2010). Neither CTI 101 nor COM 100 is required, as a part of Level I, for students matriculating in Fall 2010 or later.*

**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 (including trigonometry) course or an introductory calculus course 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. [Such students are also eligible to enroll in CTI 104 and should do so if they desire or if required by their major.] 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.

**Level II:****Culture and Traditions. Interdisciplinary Courses in the Humanities:**

The following course was added:

**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)

**Science, Technology and the Human Experience.  
Interdisciplinary Courses in the Sciences:**

Courses in Science, Technology, and the Human Experience previously 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.

**CTI 250 Earthbeat (4 cr. hrs.)**

**CTI 250L Laboratory for Earthbeat (1 cr. hr.)**

**CTI 251 The Science of Forensics (4 cr. hrs.)**

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

**CTI 252 DNA: Politics, Law and Ethics (4 cr. hrs.)**

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

**CTI 253 Energy: Its Sources and Responsible Use(4 cr. hrs.)**

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

**CTI 254 The Mind: The Master Pharmacist (4 cr. hrs.)**

**CTI 254L Laboratory for The Mind: The Master Pharmacist (1 cr. hr.)**

**CTI 255 Sports Science: Physics Applications and Ethical Issues (4 cr. hrs.)**

**CTI 255L Laboratory for Sports Science: Physics Applications and Ethical Issues (1 cr. hr.)**

**CTI 256 The Science of Sight and Sound (4 cr. hrs.)**

**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.)**

**CTI 257L Laboratory for Emerging and Re-emerging Infectious Diseases: Local and Global Issues (1 cr. hr.)**

**CTI 258 Astronomy and Cosmology: Observations and Theories of the Universe (4 cr. hrs.)**

**CTI 258L Laboratory for Astronomy and Cosmology: Observations and Theories of the Universe (1 cr. hr.)**

**CTI 259 The Ecology of Food (4 cr. hrs.)**

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

# Applied Critical Thought and Inquiry (ACT-In)

## The Major

The requirements for the ACT-In major have been clarified.

### **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 (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 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 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 (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 students, 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.

# Art

## Course Descriptions (modified)

### **ART 253, 353, 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 (19<sup>th</sup> – 20<sup>th</sup> century); Contemporary art (after World War II); and other topics to be announced.  
Prerequisite: Sophomore standing or consent of instructor.

# Biochemistry

## The Major Biochemistry

The major was changed to reflect the separation of laboratories from lectures and the granting of credit for those laboratories.

### Required Courses

- CHE 122      General Chemistry II (4)
- CHE 122L    General Chemistry II Lab (1)
- CHE 205      The Informed Chemist (1)
- CHE 206      Analytical Chemistry (4)
- CHE 206L    Analytical Chemistry Lab (1)
- CHE 301      Organic Chemistry I (4)
- CHE 301L    Organic Chemistry I Lab (1)
- CHE 302      Organic Chemistry II (4)
- CHE 302L    Organic Chemistry II Lab (1)
- CHE 401      Physical Chemistry I (4)
- CHE 401L    Physical Chemistry I Lab (1)
- CHE/BIO 450      Biochemistry (4)
- CHE/BIO 450L      Biochemistry Lab (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)
- BIO 321      Microbiology (4)
- BIO 321L    Microbiology Lab (1)
- BIO 452      Molecular Genetics (4)
- BIO 452L    Molecular Genetics Lab (1)
- BIO 360, 361, 460, & 461    Senior Thesis (4)  
or CHE 310, 315, 410, & 415    Chemical Research (4)
- PHY 111 or 213    Physics I (4)
- PHY 111L or 213L    Physics I Lab (1)
- PHY 112 or 214    Physics II (4)
- PHY 112L or 214L    Physics II Lab (1)
- MAT 200      Calculus II (4)  
or a more advanced math course

# **Bioethics**

The major in Bioethics is not available to students matriculating at the College in Fall 2010 or later.

# Biology

## The Major

### Biology

The major was changed to reflect the separation of laboratories from lectures and the granting of credit for those laboratories. Upper-level requirements were also altered.

### The Core

BIO 133	Evolution and Ecology (4)
BIO 133L	Evolution and Ecology Lab (1)
BIO 134	Biological Diversity and Design (4)
BIO 134L	Biological Diversity and Design Lab (1)
BIO 135	Introduction to Biological Investigation (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:

One of the following courses, plus the corresponding lab (1):

BIO 351	Cellular Physiology (4)
BIO 450	Biochemistry (4)

One of the following courses, plus the corresponding lab (1):

BIO 321	Microbiology (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) (4)

### **Cognate Field Courses**

CHE 122 General Chemistry II (4)  
and the corresponding lab is required.

PHY 111 College Physics I (4)  
or PHY 112 College Physics II (4) is required,  
along with the corresponding lab. A second semester of physics is  
strongly recommended

CHE 301 Organic Chemistry (4)  
and the corresponding lab is strongly recommended.

CTI 104 Applied Calculus & Statistics (4)  
is strongly recommended.

### **Science and Technology Management with Emphasis in Biology**

The major in Science and Technology Management with an emphasis in biology is not available to students matriculating at the College in Fall 2010 or later.

## **Course Descriptions**

Most courses previously 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.)**

**BIO 133L Evolution and Ecology Laboratory (1cr. hr.)**

**BIO 134 Biological Diversity and Design (4 cr. hrs.)**

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

**BIO 135 Introduction to Biological Investigation (1 cr. hr.)**

**BIO 233 Cell and Molecular Biology (4 cr. hrs.)**

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

**BIO 234 Genetics (4 cr. hrs.)**

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

**BIO 310 Plant Biology (4 cr. hrs.)**

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

**BIO 312 Entomology (4 cr. hrs.)**

**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 odd-numbered years.

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

**BIO 321 Microbiology (4 cr. hrs.)**

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

**BIO 351 Cell Physiology (4 cr. hrs.)**

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

**BIO 357 Animal Behavior (4 cr. hrs.)**

**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.

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

**BIO 450 Biochemistry (4 cr. hrs.)**

**BIO 450L Biochemistry Laboratory (1 cr. hr.)**

Also listed as CHE 450L.

**BIO 452 Molecular Genetics (4 cr. hrs.)**

**BIO 452L Molecular Genetics Laboratory (1 cr. hr.)**

**BIO 453 Ecology (4 cr. hrs.)**

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

**BIO 360, 361, 460, 461. Senior Thesis (1-3 cr. hrs. each.)**

The following courses were previously listed with the BIO prefix:

**Biomedical Sciences**

Courses in the biomedical sciences do not meet any requirements of the biology or biochemistry majors. They are designed, in part, for students in allied-health fields.

**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. The laboratory will introduce the methods used to isolate, culture, stain, visualize, and identify microorganisms. Prerequisite: CHE 113 or an equivalent course. Spring semester.

**BMS 126L Introduction to Microbiology Laboratory (1 cr. hr.)**

**BMS 243 Human Anatomy(4 cr. hrs.)**

An introduction to the form of the human body. All organ systems will be considered. Some aspects of development of postnatal growth will also be discussed. This course includes one laboratory session each week. 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). This course includes one laboratory session each week. Prerequisite: CHE 113 or CHE 121. Fall semester.

**BMS 250L Human Physiology Laboratory (1 cr. hr.)**

# **Business and Leadership**

## **The Majors**

### **Accounting**

#### **Required Courses**

ACC 411 Advanced Accounting (4) has been replaced by the following pair of courses:

ACC 411	Advanced Financial Accounting (2)
ACC 421	Governmental Accounting (2)

The remainder of the accounting major is unchanged.

### **Business Administration (Bachelor of Science)**

#### **Required Core Courses**

BUS 267, Business Information Systems II (2), has been deleted from the list of requirements for the Business Administration (BS) major. The remaining requirements are unchanged.

### **Science and Technology Management**

The majors in Science and Technology Management with emphases in biology, chemistry, and physics are not available to students matriculating at the College in Fall 2010 or later.

Other majors and minors in the department are unchanged.

## **Course Descriptions**

### **Accounting (changes)**

ACC 411 Advanced Accounting (4 cr. hrs.) has been split into the following two components:

#### **ACC 411 Advanced Financial Accounting (2 cr. hrs.)**

Accounting for partnerships, international transactions, and consolidated corporate entities Prerequisite: ACC 312 with grade of C- or better.

**ACC 421 Governmental Accounting (2 cr. hrs.)**

Accounting for not-for-profit organizations and state and local governments.  
Prerequisite: ACC 211.

**Business (new course)**

**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. This course can substitute for BUS 420 in the Entrepreneurial Leadership major and minor.

**Leadership (new course)**

**LSP 261 American Humanics 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 American Humanics Nonprofit Leadership Certificate. This certificate is based upon 17 professional competencies that are established by American Humanics, Inc. and its national partners. 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.

**Military Leadership Studies (new courses)**

**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 wide variety of group exercises designed to emphasize various leadership competencies and insights. The instructor, acting as facilitator, helps to guide students' processing of the events to derive the leadership, group dynamics, and problem-solving lessons that the exercises offer. Practical "life skills" are emphasized throughout the course. Prerequisite: MLS 116, 126, and 216, or consent of instructor.

# Chemistry

## The Majors

### Chemistry

The major was changed to reflect the separation of laboratories from lectures and the granting of credit for those laboratories.

#### Required Courses

CHE 122	General Chemistry II (4)
CHE 122L	General Chemistry II Lab (1)
CHE 205	The Informed Chemist (1)
CHE 206	Analytical Chemistry (4)
CHE 206L	Analytical Chemistry Lab (1)
CHE 301	Organic Chemistry I (4)
CHE 301L	Organic Chemistry I Lab (1)
CHE 302	Organic Chemistry II (4)
CHE 302L	Organic Chemistry II Lab (1)
CHE 401	Physical Chemistry I (4)
CHE 401L	Physical Chemistry I Lab (1)
CHE 405	Senior Seminar (1)
CHE 406	Instrumental Analysis (4)
CHE 406L	Instrumental Analysis Lab (1)
PHY 111 or 213	Physics I (4)
PHY 111L or 213L	Physics I Lab (1)
PHY 112 or 213	Physics II (4)
PHY 112L or 214L	Physics II Lab (1)
MAT 200	Calculus II (4)

or a more advanced course in math.

A student who is involved in a research sequence may substitute CHE 410 or BIO 460 for CHE 405. Students are encouraged to consider taking additional courses in mathematics as well as BIO 233, Cell and Molecular Biology.

#### Science and Technology Management with Emphasis in Chemistry

The major in Science and Technology Management with an emphasis in chemistry is not available to students matriculating at the College in Fall 2010 or later.

#### Clinical Laboratory Science

The major in Clinical Laboratory Science is not available to students matriculating at the College in Fall 2010 or later.

## The Minor

The chemistry minor was changed to reflect the separation of laboratories from lectures and the granting of credit for those laboratories.

### Required Courses

CHE 122	General Chemistry II (4)
CHE 122L	General Chemistry II Lab (1)
CHE 205	The Informed Chemist (1)
CHE 301	Organic Chemistry I (4)
CHE 301L	Organic Chemistry I Lab (1)
CHE 302	Organic Chemistry II (4)
CHE 302L	Organic Chemistry II Lab (1)
CHE 206	Analytical Chemistry (4)
or CHE 450	Biochemistry (4), along with the corresponding 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

Most courses previously 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.)**

**CHE 113L Fundamentals of General, Organic,  
and Biological Chemistry Laboratory (1 cr. hr.)**

**CHE 121 General Chemistry I (4 cr. hrs.)**

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

Because of the similarity in CHE 113L and CHE 121L, students may not receive credit toward graduation for both of these laboratory courses.

**CHE 122 General Chemistry II (4 cr. hrs.)**

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

**CHE 205 The Informed Chemist (1 cr. hr.)**

**CHE 206 Analytical Chemistry (3 cr. hrs.)**

**CHE 206L Analytical Chemistry Laboratory (2 cr. hrs.)**

**CHE 210 Introduction to Chemical Research (0.5-1 cr. hrs.)**

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.)**

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

**CHE 302 Organic Chemistry II (4 cr. hrs.)**

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

**CHE 401 Physical Chemistry I (4 cr. hrs.)**

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

**CHE 404 Advanced Inorganic Chemistry (4 cr. hrs.)**

**CHE 404L Advanced Inorganic Chemistry Laboratory (1 cr. hrs.)**

**CHE 405 Senior Seminar (1 cr. hr.)**

**CHE 406 Instrumental Analysis (3 cr. hrs.)**

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

**CHE 450 Biochemistry (4 cr. hrs.)**

**CHE 450L Biochemistry Laboratory (1 cr. hr.)**

Also listed as BIO 450L.

**CHE 310, 315, 410, 415 Chemical Research (1-3 cr. hrs. each)**

# Communication and Theatre

## The Communication Core (enlarged)

COM 100	Fundamentals of Speech Communication (4)
COM 210	Advanced Public Speaking (3)
COM 215	Communication Theory (3)
COM 368	Communication Research Methods: Rhetorical Criticism or Social Science (3)
COM 400	Senior Seminar (3)

## The Majors

### Organizational Communication (modified)

#### The Core

COM 100	Fundamentals of Speech Communication (4)
COM 210	Advanced Public Speaking (3)
COM 215	Communication Theory (3)
COM 368	Communication Research Methods: Social Science (3)
COM 400	Senior Seminar (3)

#### Required Courses

COM 260	Organizational Communication (3)
COM 490	Internship (2)

Choose four of the following six courses:

COM 209	Interpersonal Communication (3)
COM 333	Media Reporting and Writing (3)
COM 344	Principles of Integrated Communication (3)
COM 350	Public Relations (3)
COM 355	Small Group Communication (3)
COM 358	Cultural Communication (3)

#### Designated Electives (select 3-4 hours from the list below):

ART 110	Computer Graphics (3)
ART 203	Visual Design (3)
ART 230	Photography I (3)
BUS 201	Organization and Management (3)
BUS 231	Business Law I (3)
BUS 232	Business Law II (3)
BUS 301	Human Resource Management (3)
BUS 305	Principles of Marketing (3)
COM 308	Political Communication (3)
COM 312	Theory and Practice of Persuasion (3)

COM 381	Communication Seminar (3)
ENG 220	Business Writing (4)
ENG 320	Writing for the Real World (4)
LSP 100	Intro. to Philanthropy, Volunteerism, and Nonprofit Sector (2)
LSP 250	Leadership: Cornerstone Course (2)
LSP 270	Nonprofit Governance & Volunteer Mgmt. (2)
LSP 320	Nonprofit Board and Committee Development (2)
LSP 360	Nonprofit Advocacy and Public Policy (2)
THE 271	The World of Theatre I (3)
THE 272-279	Technical Theatre Seminars (1 hr. ea.)
THE 372	The World of Theatre II (3)
THE 373	The World of Theatre III (3)
THE 374	The World of Theatre IV (3)
THE 475	The World of Theatre V (3)

### **Rhetoric and Political Communication (modified)**

#### **The Core**

COM 100	Fundamentals of Speech Communication (4)
COM 210	Advanced Public Speaking (3)
COM 215	Communication Theory (3)
COM 368	Communication Research Methods: Rhetorical Criticism (3)
COM 400	Senior Seminar (3)

#### **Required Courses**

Com 219 Introduction to Rhetorical Studies (3)

Choose one of the following two courses:

COM 323	Argumentation and Debate (3)
THE 271	The World of Theatre I (3)

Choose two of the following four courses:

COM 308/POL 308	Political Communication (3/4)
COM 312	Theory and Practice of Persuasion (3)
COM 380	History and Criticism of American Public Address (3)
COM 381	Communication Seminar (3)

#### **Designated Electives (select 6-8 hours from the list below):**

COM 260	Organizational Communication (3)
COM 333	Media Reporting and Writing (3)
COM 344	Principles of Integrated Communication (3)
COM 350	Public Relations (3)
COM 358	Cultural Communication (3)
COM 381	Communication Seminar (3)
COM 490	Internship (2-6)
PHI 202	Ethics (4)
PHI 215	History of Philosophy (4)
PHI 216	History of Philosophy II (4)
PHI 352	Existentialism (4)
PHI 358	Philosophy of Sex and Gender (4)

PHI 359	Postmodernism (4)
PHI 363	Modern Political Philosophy (4)
POL 100	Introduction to Politics (4)
POL 150	Introduction to American Government (4)
POL 200	Introduction to Political Theory (4)
POL 201	Congress and the Presidency (4)
POL 210	Campaigns and Elections (4)
POL 211	American Political Thought (4)
POL 313	Classical and Medieval Political Thought (4)
POL 314	Modern Political Thought

## **The Minors**

### **Communication (modified)**

COM 100	Fundamentals of Speech Communication (4)
COM 215	Communication Theory (3)
Choose two of the following three courses:	
COM 209	Interpersonal Communication (3)
COM 210	Advanced Public Speaking (3)
THE 271	The World of Theatre I (3)
Six additional hours of COM courses at the 300-level or above.	

Other majors and minors within the department remain unchanged.

## **Course Descriptions (added)**

### **Communication**

#### **COM 100 Fundamentals of Speech Communication (4 cr. hrs.)**

A study of speech communication theory and practice. Practice and presentation of various forms of speech communication activities. Topics include public speaking, small group communication, multi-cultural communication, nonverbal communication, audience analysis, and listening.

[Note: COM 100, instead of CTI 101, will be a prerequisite for COM 210 and 323.]

# Education

## Course Descriptions

The following course was listed previously as CTI 284. It is now cross-listed under Education.

### **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.

# Languages

## The Majors

### French (modified)

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 in a French-speaking region. It is highly recommended that students choosing French as a second or third major complete at least 6 hours of French study in a French-speaking region.

### Spanish (modified)

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 at least 8 hours of 300-level study be completed in a Spanish-speaking country.

### International Business and American English (new)

International students whose native language is not English and whose secondary education was not done in English are eligible to select this major.

### Requirements

#### American English language and communication skills

COM 100	Fundamentals of Speech Communication (4)
COM 210	Advanced Public Speaking (3)
COM 358	Cultural Communication (3)
ENG 220	Business Writing (4)

#### Business core

ACC 211	Fundamentals of Financial Accounting (4)
ACC 341	Cost Accounting I (4)
BUS 201	Organization and Management (3)
BUS 305	Marketing Principles (3)
BUS 315	Financial Management (3)
BUS 318	Elementary Statistics for Business and Economics (4)
BUS 406	Business Problems and Policies (3)
ECO 201	Principles of Microeconomics (3)
ECO 202	Principles of Macroeconomics (3)
ECO 404	Introduction to International Economics (3)

### **Target Culture Electives**

Students must choose 2 of the following courses:

HIS 121	The American Context to 1865 (4)
HIS 122	The American Context, 1865 to Present (4)
HIS 204	America since 1945 (4)
POL 150	Introduction to American Government (4)

A student in the International Business and American English major must complete a minimum of 4 semesters in residence and a minimum of 48 hours of institutional credit.

Recommended courses:

ECO 324	Labor Economics (3)
ECO 402	Money and Banking (3)

Other majors and minors in the department are unchanged.

### **Course Descriptions**

Courses in Arabic were offered previously but, because of an oversight, have not been included in the catalog.

#### **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.

The curriculum in Spanish was modified. The following list includes the courses in Spanish that are now available.

#### **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.

**SPA115, 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 or intermediate courses, or students who have valid scheduling problems. Prerequisites for 115: the equivalent of Elementary Spanish I and consent of instructor. Prerequisites for 215: the equivalent of Elementary Spanish II 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 213 Introduction to Literary Readings and Grammar Review (2 cr. hrs.)**

An introduction to the study of literature and literary analysis. Literature will be selected from Spain, Latin America and Latino (USA) sources. Intensive grammar review and compositions, as well as readings about the authors and their cultural context, will accompany the study of the texts. Prerequisite: Spanish 211 or equivalent.

**SPA 216 Special Topics in Hispanic Culture (2 cr. hrs.)**

This course will study topics related to the history, civilization and literature of Spanish-speaking populations in the United States, Latin America and Spain. Prerequisite: Spanish 211 or equivalent.

**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: 4 hours of intermediate Spanish courses beyond 211, its equivalent or permission of instructor.

**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 328 Advanced Grammar and Introduction to Spanish Linguistics (4 cr. hrs.)**

Introduces students to the study of the systems of Spanish: syntax, phonology, lexicon and morphology and language as a social construct. Regional varieties of Spanish spoken in Spanish, Latin America and the US as well as Spanish in contact with other languages will be considered. Prerequisite: SPA 315 or equivalent.

**SPA 329 Hispanic Civilization and Literature (pre 19<sup>th</sup> 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 (19<sup>th</sup> 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 19<sup>th</sup> 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 350, 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.

**SPA 411, 412 Tutorial in Spanish (1-4 cr. hrs.)**

Extensive directed study in an area of special interest to the student, with preparation and presentation of reports. Prerequisite: consent of the instructor. Offered either semester as needed.

**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 WJC campus.

# Non-Departmental Courses

## College-Wide

### Course descriptions (new)

#### **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.

# **Nursing**

## **The Major Nursing**

### **Required Courses**

COM 100 Fundamentals of Speech Communication (4) was added to the list of required courses in the nursing major.

### **Course Descriptions**

The following item was added to the list of courses in Nursing:

**NUR 260, 360, 460 Independent Study in Nursing (1-6 cr. hrs.)**

# Oxbridge

## Tutorials in History of Ideas

The following tutorials are currently authorized to be offered in the OXQ program:

### **OXQ 119, 219, 419 Moral Psychology (2 cr. hrs.) (4)**

*Tutor: Kenneth D. Alpern, Oxbridge Senior Tutor and Professor of Philosophy*

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 115, 215, 415 Job (2 cr. hrs.) (4)**

*Tutor: Milton Horne, Professor of Religion*

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 220 Social and Political Philosophy (2 cr. hrs.) (4)**

*Tutor: Randall Morris, Professor of Philosophy*

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)**

*Tutor: Elizabeth Sperry, Professor of Philosophy*

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)**

*Tutors: Kenneth Alpern, Oxbridge Senior Tutor and Professor of Philosophy, Randall Morris, Professor of Philosophy, or Elizabeth Sperry, Professor of Philosophy*

This tutorial integrates work in the distinct parts of the program, especially work in England, and prepares students for comprehensive examinations.

## **Tutorials in Literature and Theory (formerly English Language and Literature)**

The following tutorials are currently authorized to be offered in the OXE program:

**OXE 106 Introduction to Contemporary Critical Theory (4 cr. hrs.)**

*Tutor: Staff*

This course introduces students to contemporary critical theory – the critical perspective and methodologies that inform current literary study. It is a co-requisite of the first OXE 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.

**OXE 110 British Literature (2 cr. hrs.) (4)**

*Tutor: Sara Morrison, Assistant Professor of English*

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.

**OXE 220 United States Literature (2 cr. hrs.) (4)**

*Tutor: Mark Walters, Professor and Chair of English*

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)**

*Tutor: Jennifer Cotter, Assistant Professor of English*

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, decolonialization, 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 489 Advanced Critical Theory (2 cr. hrs.) (4)**

*Tutor: Jennifer Cotter, Assistant Professor of English*

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)**

*Tutor: Staff*

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)**

*Tutors: Staff*

Revisions for the comprehensive examinations. Intensive reading and rereading, writing of examination-style essays.

## **Tutorials in Science**

Some courses previously contained a combination of tutorial and laboratory experiences. Laboratories are now separate courses with their own credit. Students should expect to be required to enroll simultaneously in both components of a particular course. The affected courses follow:

**OXS 100 Cell and Molecular Biology: An Introduction (2 cr. hrs.) (4)**

**OXS 100L Laboratory for Cell and Molecular Biology: An Introduction (1 cr. hr.)**

**OXS 247 Protein Structure and Function (2 cr. hrs.) (4)**

*Tutor: Scott Falke, Associate Professor of Biology*

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)**

**OXS 250L Genes Laboratory (1 cr. hr.)**

Other OXS courses are unchanged, as are courses in the remaining areas of the Oxbridge program.

# Physical Education, Recreation, and Athletics

## Activity courses (modifications):

PED 101	Step Aerobics (1.0)
PED 118	Line Dancing (1.0)

## The Majors

### Physical Education

#### Required Courses

COM 100 Fundamentals of Speech Communication (4) was added to the list of requirements for the major in physical education. The remaining requirements are unchanged.

### Recreation and Sport

#### Required Courses

COM 100 Fundamentals of Speech Communication (4) was added to the list of requirements for the Recreation & Sport major. The remaining requirements are unchanged.

Other programs in the department are unchanged.

# Physics

## The Majors

The requirements of the majors, and the minor, in physics were changed to reflect the separation of laboratories from lectures and the granting of credit for those laboratories.

### Physics

Thirty semester hours of physics are required, including at least 20 hours at the 300 level or above.

#### 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 316	Modern Physics (3)
PHY 316L	Modern Physics Lab (1)
PHY 351	Research Experience (1)

At least three of the following courses:

PHY 306L	Applied Electronics Lab (1)
PHY 322L	Optics Laboratory (1)
PHY 352	Research Experience (1)
PHY 416	Electronic Measurements Lab (1)

### Physics Education

#### 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 316	Modern Physics (3)
PHY 316L	Modern Physics Lab (1)
PHY 351	Research Experience (1)
CTI 258	Astronomy and Cosmology (4)
CTI 258L	Astronomy and Cosmology Lab (1)
	Designated Electives (see list below) (8)

#### Designated Electives

(Select 8 or more hours' worth of courses from the following list):

PHY 306	Applied Electronics (3)
PHY 306L	Applied Electronics Lab (1)
PHY 318	Heat and Thermodynamics (3)
PHY 322	Optics (3)
PHY 322L	Optics Laboratory (1)
PHY 332	Analytical Mechanics (Statics) (3)
PHY 346	Advanced Modern Physics (4)
PHY 352	Research Experience (1)

## **Science and Technology Management with Emphasis in Physics**

The major in Science and Technology Management with an emphasis in physics is not available to students matriculating at the College in Fall 2010 or later.

## **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. Included is a set of introductory survey courses: PHY 111 College Physics I (4), PHY 111L College Physics I Lab (1), PHY 112 College Physics II (4), and PHY 112L College Physics II Lab (1) **or** PHY 213 General Physics I (4), PHY 213L General Physics I Lab (1), PHY 214 General Physics II (4), and PHY 214L General Physics II Lab (1). The remaining 8 hours must come from courses numbered 300 and above. At least one upper division laboratory is required, but no more than two such labs can count towards the hours of the minor. 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.

## **Course Descriptions**

Except where noted, students should expect to be required to enroll simultaneously in both lecture and laboratory components of a particular course.

**PHY 111 College Physics I (4 cr. hrs.)**

**PHY 111L College Physics I Laboratory (1 cr. hr.)**

**PHY 112 College Physics II (4 cr. hrs.)**

**PHY 112L College Physics II Laboratory (1 cr. hr.)**

**PHY 213 General Physics I (4 cr. hrs.)**

**PHY 213L General Physics I Laboratory (1 cr. hr.)**

**PHY 214 General Physics II (4 cr. hrs.)**

**PHY 214L General Physics II Laboratory (1 cr. hr.)**

**PHY 306 Applied Electronics (3 cr. hrs.)**

**PHY 306L Applied Electronics Laboratory (1 cr. hr.)**

**PHY 316 Modern Physics (3 cr. hrs.)**

**PHY 316L Modern Physics Laboratory (1 cr. hr.)**

**PHY 318 Heat and Thermodynamics (3 cr. hrs.)**

**PHY 322 Optics (3 cr. hrs.)**

**PHY 322L Optics Laboratory (1 cr. hr.)**

**PHY 332 Analytical Mechanics (Statics) (3 cr. hrs.)**

**PHY 340 Astrophysics (3 cr. hrs.)**

An introduction to topics in theoretical and observational astrophysics including stellar structure and evolution, the physics of interstellar material and nucleosynthesis, galactic structure and dynamics, cosmology, and basic observational techniques. Prerequisites: PHY 316, MAT 200

**PHY 346 Advanced Modern Physics (4 cr. hrs.)**

**PHY 351-358 Research Experience (1 cr. hr.)**

**PHY 415 Electricity and Magnetism (4 cr. hrs.)**

**PHY 416 Electronic Measurements Laboratory (1 cr. hr.)**

**PHY 443 Classical Mechanics (4 cr. hrs.)**

**PHY 444 Quantum Mechanics (4 cr. hrs.)**

# Pre-Professional Programs of Study

## The Minor

### Pre-Medicine (new)

Students who are interested in pursuing graduate-level studies in allopathic medicine, osteopathic medicine, dentistry, optometry, and veterinary medicine 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

CHE 122	General Chemistry II (4)
CHE 301	Organic Chemistry I (4)
CHE 302	Organic Chemistry II (4)
BIO 233	Cell and Molecular Biology (4)
BIO 234	Genetics (4)
BMS 250	Human Physiology (4)

Additional coursework, and not just the classes required for the minor, will be necessary for students to be ready to begin the competitive application process. (For example, two semesters of physics is required by most professional schools, and courses like biochemistry, microbiology, human anatomy and physiology 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.

The College has a Premedical Advisory Committee that assists the development of premedical students. Students will apply separately, typically during the sophomore year, for admission to the College's premedical advisory program. Students in the premed program do not have to pursue this minor, and students declaring the minor are not required to be in the premedical advisory program.

Students majoring in biochemistry and Oxbridge science, as well as students minoring in chemistry, are not eligible for the pre-medicine minor because the requirements overlap too extensively.

# Religion

The major and minors were modified.

## The Major Religion

### Required Courses

REL 115	Exploring the World's Sacred Scriptures (4)
REL 170	Religion in the Modern Age (4)
REL 235	Reading the Bible Then and Now (4)
REL 241	The Christian Heritage (4)
REL 272	Judaism, Christianity, and Islam (4)
REL 310	Biblical Themes (4)
REL 340	Contemporary Christian Thinkers (4)
or REL 370	American Religious Movements (4)
REL 470	Capstone: Religion and Spirituality in an Age of Science (4)

## The Minors Christian Tradition and Thought

### Required Courses

REL 115	Exploring the World's Sacred Scriptures (4)
REL 340	Contemporary Christian Thinkers (4)
or REL 370	American Religious Movements (4)
	(REL 340/370 should be taken after completion of the Designated Electives)

### Designated Electives (select two of the following)

REL 235	Reading the Bible Then and Now (4)
REL 241	The Christian Heritage (4)
REL 272	Judaism, Christianity, and Islam (4)

### Biblical Studies

#### Required Courses

REL 115	Exploring the World's Sacred Scriptures (4)
REL 235	Reading the Bible Then and Now (4)
REL 310	Biblical Themes (8)

Students will take two different biblical themes courses.

## **Course Descriptions (new and renamed courses)**

### **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 170 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 235 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 110. Offered every fall. Cross-listed as CTI 240. It is recommended that students enrolling in this course be eligible to take Level-II CTI courses.

### **REL 241 The Christian Heritage (4 cr. hrs.)**

This course provides an introduction to Christian doctrine and historical theology with significant emphasis on primary theological texts. Prerequisite for majors and minors: REL 110. Offered every spring. Cross-listed as CTI 237. It is recommended that students enrolling in this course be eligible to take Level-II CTI courses.

# **Science and Technology Management**

The majors in Science and Technology Management are not available to students matriculating at the College in Fall 2010 and later.

# 2010 – 2011 Planning Calendar

## First Semester

Faculty/Admin. Workshops	2010 Aug. 20 (F)
Residence Halls Open	Aug. 21 (Sa)
New Student Orientation	Aug. 21-24 (Sa-T)
Classes Begin	Aug. 25 (W)
Last Day to Register/Add Classes	Aug. 31 (T)
Labor Day (offices closed)	Sept. 6 (M)
Opening Convocation	Sept. 8 (W)
Homecoming	Oct. 2 (Sa)
End of First Seven Weeks	Oct. 13 (W)
Fall Break	Oct. 14-17 (Th-Su)
Begin Second Seven Weeks	Oct. 18 (M)
Advising Day (students meet with advisors)	Oct. 26 (T)
Advising Day (students meet with advisors)	Nov. 3 (W)
Thanksgiving Break	Nov. 24-28 (W-Su)
Classes Resume	Nov. 29 (M)
Last Day of Fall Semester Classes	Dec. 10 (F)
Finals Preparation Day (No classes)	Dec. 13 (M)
Final Examinations	Dec. 14-17 (T-F)
Christmas Holidays (campus closed)	Dec. 23-Jan. 2 (Th-Su)
Cardinal Term	Jan. 3-14 (M-F)

## Second Semester

Residence Halls Open (2:00 pm)	2011 Jan. 16 (Su)
Classes Begin	Jan. 18 (T)
Last Day to Register/Add Classes	Jan. 24 (M)
End of First Seven Weeks	Mar. 7 (M)
Begin Second Seven Weeks	Mar. 8 (T)
Spring Break	Mar. 12-20 (Sa-Su)
Classes Resume	Mar. 21 (M)
Advising Day (students meet with advisors)	Apr. 5 (T)
Good Friday (Campus closed)	Apr. 22 (F)
Easter Monday (No classes)	Apr. 25 (M)
Undergraduate Colloquium Day and Honors Convocation (No classes)	Apr. 15 (F)*
Family Weekend	Apr. 16 (Sa)
Last Day of Spring Semester Classes	May 6 (F)
Finals Preparation Day (No Classes)	May 9 (M)
Final Examinations	May 10-13 (T-F)
Baccalaureate/Commencement	May 14 (Sa)

\* Classes on the previous Thursday will follow a Friday class schedule.

## **Summer School 2011**

Summer Classes Begin

Independence Day (No Classes)

Summer Classes End

June 6 (M)

July 4 (M)

July 30 (Sa)