

MAJORS, MINORS, AND CERTIFICATES

ACCOUNTING MAJOR AND MINOR

Associate Professor: E. Bartley
Visiting Instructor: F. Carter Campbell

Contact: Associate Professor Elise Bartley
Phone: (573) 592-5215
Email: Elise.Bartley@westminster-mo.edu

The John E. Simon Department of Accounting, Business Administration, Economics and Management Information Systems offers core course work leading to a major or a minor in accounting. Course offerings in the accounting major prepare graduates for careers in accounting by helping them to create a base upon which continued lifelong learning can be built. Graduates are well prepared for continuing on to graduate or professional school, or for careers in public, private, or governmental accounting. Basic courses are designed for non-majors as well as majors as students from many other areas will benefit from an understanding of accounting theory and practice.

The accounting major provides a thorough grounding in the fundamental concepts and theory of accounting and intensive practice in applying these concepts and theories to the preparation, analysis, and evaluation of financial statements for a variety of types of profit, not-for-profit, and government institutions. Westminster's accounting major is built upon the understanding that the technological advancement of the computer system and the global economic system, while making accounting less labor-intensive, has also made the field of accounting much more sophisticated and more complicated. Consequently, a primary goal of the major is to help students learn how to learn, to develop analytical and conceptual skills along with communication and interpersonal skills, while at the same time, to acquire a strong fundamental understanding of accounting theory and practice.

The accounting minor provides advanced accounting knowledge for students from other majors, such as Business Administration or Management Information Systems. With the new laws recently passed, it is becoming more and more important for those who want to climb the corporate ladder to have additional background in accounting. Students must either have sophomore standing or be in their third semester as full-time Westminster students to enroll in any course in accounting. Requirements: All accounting majors must complete the 15-hour core program (ECN 211 and 212, ACC 215 and 216, and MAT 114) and achieve junior standing before registering for any 300- or 400-level courses in accounting, business administration, or economics.

Requirements for the Major in Accounting:

Core Business Courses:

ACC 215 Principles of Financial Accounting	3 hrs.
ACC 216 Principles of Managerial Accounting	3 hrs.
BUS 220 Fundamentals of Management	3 hrs.
BUS 250 Principles of Marketing	3 hrs.
BUS 327 Operations Management	3 hrs.
OR ECN 351 Managerial Economics	
ECN 211 Principles of Macroeconomics	3 hrs.
ECN 212 Principles of Microeconomics	3 hrs.
FIN 318 Corporate Financial Management	3 hrs.
MAT 114 Elementary Statistics	3 hrs.
MAT 122 Business Calculus	3 hrs.*
OR MAT 124 Calculus I	5 hrs.
MIS 210 Spreadsheet Applications in Business	3 hrs.
SPE 101 Introduction to Speech Communication	3 hrs.
OR SPE 203 Interpersonal Communication	3 hrs.
OR SPE 220 Public Relations	3 hrs.

Total Core Business hours 36-38 hrs.

Accounting Major Courses

ACC 307 Governmental and Not-For Profit Accounting	3 hrs.
ACC 308 Managerial Cost Accounting	3 hrs.
ACC 312 Intermediate Accounting I	3 hrs.
ACC 319 Federal Income Tax I	3 hrs.
ACC 320 Accounting Information Systems	3 hrs.
ACC 322 Intermediate Accounting II	3 hrs.
ACC 418 Advanced Accounting	3 hrs.
ACC 419 Federal Income Tax II	3 hrs.
ACC 421 Auditing	3 hrs.
BUS 223 Business Law	3 hrs.
ECN 325 Money, Banking and Financial Markets	3 hrs.

Accounting Major Courses 33 hrs.

Total Hours 69-71 hrs.

*MAT 122 Business Calculus is highly recommended for students planning to go to graduate school.

Majors must have at least a 2.00 grade point average in all required Accounting, Business Administration, Management Information Systems, and Economics courses needed to satisfy major requirements.

Requirements for the Minor in Accounting

Required Courses

ACC 215 Principles of Financial Accounting	3 hrs.
ACC 216 Principles of Managerial Accounting	3 hrs.
ACC 312 Intermediate Accounting I	3 hrs.
ACC 322 Intermediate Accounting II	3 hrs.
Total Hours	12 hrs.

THREE of the following courses must be completed:

ACC 307 Govt. & Non-Profit Accounting	3 hrs.
ACC 308 Cost Accounting	3 hrs.
ACC 319 Federal Income Tax I	3 hrs.
ACC 320 Accounting Information Systems	3 hrs.
ACC 418 Advanced Accounting	3 hrs.
ACC 419 Federal Income Tax II	3 hrs.
ACC 421 Auditing	3 hrs.
Total Hours	9 hrs.
Total Hours for Minor	21 hrs.

Phone: (573) 592-5266
 Email: Kurt.Jefferson@westminster-mo.edu

This minor will give the student a much broadened knowledge of the Asian continent; its long and fascinating history; its economic and political importance to the world; and the deep richness of Asian cultures. The Asian Studies Minor seeks to prepare students for the future as Asia gains a greater importance in world affairs.

Requirements for the Minor in Asian Studies:

ASN 201 Asian Studies	3 hrs.
HIS 250 History of Modern East Asia	3 hrs.

Elective Courses (three courses, two of which must be upper division):

ECN/SCA 300 Culture and Economic Development	3 hrs.
HIS 300 East Asian History and Culture	3 hrs.
HIS 348 History of American Foreign Relations	3 hrs.
HIS 350 The Vietnam Wars 1945-1995	3 hrs.
PSY 405 International and Cross-Cultural Psychology	3 hrs.
PHL 410 Major Areas of Philosophy (with an Asian topic)	3 hrs.
REL 102 World Religions	3 hrs.

Total hours **15 hrs.**

BIOCHEMISTRY MAJOR

Professor: M. Amspoker, G. Frerichs
 Associate Professor: B. Hansert, D. Holliday, J. Mayne, G. McNett, I. Unger
 Assistant Professors: C. Halsey, J. Kenney-Hunt
 Visiting Assistant Professors: S. Vanderpool, R. Zumwalt
 Visiting Instructor: R. Frederick, A. George, E. Lockwood, C. Rega

Contacts:

Biological Emphasis:
 Dr. Gabe McNett (573) 592-5395 Gabe.McNett@westminster-mo.edu

Chemical Emphasis:
 Dr. Bernie Hansert
 Phone: (573) 592-5216
 Email: Bernie.Hansert@westminster-mo.edu

The Departments of Biology and Chemistry offer an interdisciplinary major program of study leading to a Bachelor of Arts in Biochemistry. The major program is structured into two tracks, biological emphasis and chemical emphasis, to allow the student to pursue a more advanced study of biochemistry to fulfill their particular interests and professional goals. Both tracks require introductory biology and chemistry courses with emphasis on fundamental concepts and give students a clear insight into the underlying biological and chemical principles. The Biodiversity, Biological Processes and General Chemistry courses fulfill the general degree requirements for a course in laboratory science as well as serving as foundation courses for biochemistry students.

Students completing a Biology or Chemistry Major may not also receive a Biochemistry Major. Students majoring in Biochemistry cannot obtain

AMERICAN STUDIES MINOR

Associate Professor: M. Boulton

Contact: Dr. Mark Boulton
 Phone: (573) 592-5291
 Email: Mark.Boulton@westminster-mo.edu

The American Studies minor is an interdisciplinary program of study which helps students think analytically and creatively about the U.S. while fostering reading and writing skills. The program explores the relationship of America within the Western cultural tradition, identifying points of commonality and departure.

Requirements for the Minor in American Studies:

HIS 103 or HIS 104	3 hrs.
ENG 238 or ENG 239	3 hrs.
POL 211 or SOC 111	3 hrs.
Total Hours:	9 hrs.

Electives

Three courses from at least two of the following categories:

Religion & History: REL 319, HIS 332, HIS 336, HIS 348, HIS 349, HIS 350

English & Fine Arts: ENG 315*, ENG 325*, ENG 330*, ENG 335*, ENG/WGS 340*, ENG 345*, ENG 350*, ENG 355*, MUS 303,

Political Science, Sociology & Anthropology: POL 301, POL 304, POL 311, POL 319, POL 362.

Total hours **18 hrs.**

*When focused primarily on the United States.

Students who major or minor in United States History, English, Political Science, and/or Sociology may enroll in this minor but they may not select elective courses from their major or minor departments. Students enrolled in the Washington Seminar and the Chicago Semester programs may apply, as appropriate, one of their off-campus courses to the electives, provided the course lies outside their major or minor.

ASIAN STUDIES MINOR

Professors: C. Cain, W. Guinee, K. Jefferson
 Associate Professors: C. Brown, J. McRae
 Visiting Instructor: H. Landry

Contact: Professor Kurt Jefferson

a second major or a minor in Biology or Chemistry, or a minor in Health Professions..

Requirements for the Major in Biochemistry (Biological Emphasis):

Biology Required Courses:

BIO 124/125 Biodiversity OR	4 hrs.
BIO 100 General Biology I	4 hrs.
BIO 114/115 Biological Processes	4 hrs.
BIO 404 Biochemistry (CHM 314/315 prereq, 324/325 coreq)	4 hrs.
Total	12 hrs.

Chemistry Required Courses:

CHM 114/115 General Chemistry I	4 hrs.
CHM 124/125 General Chemistry II	4 hrs.
CHM 314/315 Organic Chemistry I	4 hrs.
CHM 324/325 Organic Chemistry II	4 hrs.
Total	16 hrs.

Biology Electives:

Three of the following:

BIO 300 Cell Structure and Function (non-lab)	3 hrs.
BIO 300 Ecotoxicology with accompanying lab	4 hrs.
BIO 301 Genetics	4 hrs.
BIO 325 Molecular Cell Biology	4 hrs.
BIO 330 Virology (BIO 301 recommended)	3 hrs.
BIO 370 Physiology (BIO 203 or 322 prereq)	4 hrs.
BIO 372 Developmental Biology (BIO 301 prereq)	4 hrs.
BIO 398 Independent Research Projects in Biochemistry	3-4 hrs.
BIO 403 Microbiology (BIO 114/115 & 124/125 and CHM 114/115 prereqs)	4 hrs.
Total	9-12 hrs.

Chemistry Electives:

Two of the following:

CHM 300/300 Environmental Chemistry (lab required)	4 hrs.
CHM 304 Inorganic Chemistry	3 hrs.
CHM 334/335 Analytical Chemistry I (lab required)	4 hrs.
CHM 344/345 Analytical Chemistry II (lab required)	4 hrs.
CHM 404 Physical Chemistry for the Life Sciences Or CHM 424/425 Physical Chemistry I (lab required)	4 hrs.
CHM 410 Advanced Topics in Chemistry	3 hrs.
CHM 434/435 Physical Chemistry II (lab required)	4 hrs.
Total	6-8 hrs.

Other Required Courses:

MAT 114 Elementary Statistics	3 hrs.
Or MAT 124 Calculus I	5 hrs.
Total	3-5 hrs.

Total Hours: 46-53 hrs.

The Departments strongly recommend that students majoring in Biochemistry (Biological Emphasis) take Calculus through Calculus II (MAT 124 and MAT214) and Physics I and II (PHY 201 and PHY 212). Any student who elects to take BIO 404, Biochemistry, must have successfully completed both semesters of Organic Chemistry or be currently taking CHM 324/325. No more than four hours of BIO 398, Independent Research Projects, may be counted towards the major. Students must earn a letter grade of C- or better and attain a 2.0 average or higher in all courses needed to satisfy major requirements. At least 50% of all BIO and CHM hours needed to satisfy the major (22-24) must be Westminster courses.

Requirements for the Major in Biochemistry (Chemical Emphasis):

The Chemical Emphasis track of the major focuses more strongly on the chemical, physical and mathematical applications of biochemistry. Students are required to complete fundamental core courses in biology, chemistry, mathematics and physics. In addition to the core courses students are also required to complete two biology electives and one chemistry elective.

Requirements for Major in Biochemistry (Chemical Emphasis):

Core courses:

Biology Required Courses:

BIO 124/125 Biodiversity OR	4 hrs.
BIO 100 General Biology I	4 hrs.
BIO 114/115 Biological Processes	4 hrs.
BIO 404 Biochemistry (CHM 314/315 prereq, 324/325 coreq)	4 hrs.
Total	12 hrs.

Chemistry Required Courses:

CHM 114/115 General Chemistry I	4 hrs.
CHM 124/125 General Chemistry II	4 hrs.
CHM 314/315 Organic Chemistry I	4 hrs.
CHM 324/325 Organic Chemistry II	4 hrs.
CHM 334/335 Analytical Chemistry I	4 hrs.
CHM 404 Physical Chemistry for the Life Sciences Or CHM 424/425 Physical Chemistry I	3 hrs. 4 hrs.
Total	23-24 hrs.

Physics Required Courses:

PHY 201 Physics I	4 hrs.
PHY 212 Physics II	4 hrs.
Total	8 hrs.

Mathematics Required Courses:

MAT 124 Calculus I	5 hrs.
MAT 214 Calculus II	4 hrs.
Total	9 hrs.

Electives:

Biology Electives:

Two of the following:

BIO 372 Developmental Biology (BIO 301 prereq)	4 hrs.
BIO 301 Genetics	4 hrs.
BIO 325 Molecular Cell Biology	4 hrs.
BIO 330 Virology (BIO 301 recommended)	3 hrs.
BIO 370 Physiology (BIO 203 or 322 prereq)	4 hrs.
BIO 403 Microbiology (BIO 114/115 & 124/125 and CHM 114/115 prereqs)	4 hrs.
Total	7-8 hrs.

Chemistry Electives:

One of the following:

CHM 304 Inorganic Chemistry	3 hrs.
CHM 334/335 Analytical Chemistry II	4 hrs.
CHM 410 Advanced Projects in Chemistry	3 hrs.
CHM 434/435 Physical Chemistry II	4 hrs.
Total	3-4 hrs.

Total Hours

62-65 hrs.

BIOLOGY MAJOR AND MINOR

Professor: M. Amspoker
Associate Professors: J. Mayne, G. McNett (Chair), I. Unger, D. Holliday
Assistant Professors: J. Kenney-Hunt
Visiting Assistant Professor: S. Vanderpool
Visiting Instructors: A. George, E. Lockwood, C. Rega

Contact:
Dr. Gabe McNett (573) 592-5395 Gabe.McNett@westminster-mo.edu

The Department of Biology offers a major program of study leading to the Bachelor of Arts in biology as well as a minor in biology. Introductory courses are designed to meet the several needs and interests of Westminster liberal arts students. Biological Processes and Biodiversity fulfill the Tier II requirement for a course in laboratory science as well as serving as foundation courses for students considering a major in biology and several related fields. Introduction to Biological Principles and Human Biology also satisfy the Tier II requirement for a course in laboratory science, but are intended primarily for non-majors. Several other courses also satisfy the Tier II requirement for a science without laboratory.

Students who successfully complete the minor program in biology will have a broad introduction to the diversity of organisms and biological processes on Earth. This program is designed to give students who are interested in non-human biology the basic tools to appreciate the complexity and ecological significance of various life forms and biological processes, which are integral to the success of our species and our planet's environment. Students who are particularly interested in the biology of humans are encouraged to complete the Health Professions Minor.

Requirements for the Major in Biology:

Level I: Introductory Courses (8 hrs.) – This Level MUST be completed before Level II.

BIO 124/125 Biodiversity OR	4 hrs.
BIO 100 General Biology I	4 hrs.
BIO 114/115 Biological Processes	4 hrs.

Level II: Intermediate Courses (8 hrs.) – Students take 2 of the following courses. At least 1 course from this group MUST be completed before Level III. The 2nd course MUST be completed by the end of Junior year.

Two of the following:	
BIO 203 Human Anatomy	4 hrs.
BIO 205 Ecology & Field Biology	4 hrs.
BIO 301 Genetics	4 hrs.
BIO 322 Vertebrate Biology	4 hrs.

Level III: Advanced Courses (18-20 hrs.) - Students complete 5 additional courses. Students are required to take at least one course from each track and at least 3 of these classes must include a laboratory experience (i.e., 4 credits). Independent research may count for one course (3-4 hours) for the Level III requirement. Completion of at least one WI/WIO course in the major is highly recommended. * Note: some courses may have specific prerequisites from Level II.

A. Cellular Biology, Molecular Biology & Human Health	
BIO 300 Cell Structure and Function**	3 hrs.
BIO 314 Vertebrate Histology (Ind. Study only)	3-4 hrs.

BIO 325 Molecular Cell Biology	4 hrs.
BIO 330 Virology (BIO 301 recommended)	3 hrs.
BIO 370 Physiology (BIO 203 or 322 prereq)	4 hrs.
BIO 372 Developmental Biology (BIO 301 prereq)	4 hrs.
BIO 398 Ind. Research (cell./human hlth focus)	3-4 hrs.
BIO 403 Microbiology (BIO 114/115 & 124/125 and CHM 114/115 prereqs)	4 hrs.
BIO 404 Biochemistry (CHM 314/315 prereq, 324/325 coreq)	4 hrs.
BIO 415 Human Gross Anatomy (BIO 203 prereq)	4 hrs.

B. Organismal Biology

BIO 204 Animal Behavior	4 hrs.
BIO 208 Functional Plant Morphology	4 hrs.
BIO 308 Taxonomy & System. Flowering Plants	4 hrs.
BIO 309 Phycology	4 hrs.
BIO 315 Entomology	4 hrs.
BIO 318 Ornithology	4 hrs.
BIO 398 Ind. Research (organismal focus)	3-4 hrs.

C. Ecosystems: Characteristics, Processes & Management

BIO 210 Biogeography	3 hrs.
BIO 300 Ecotoxicology with accompanying lab**	4 hrs.
BIO 320/321 Biology in Belize (or other equivalent travel course)	4 hrs.
BIO 340 Wetlands (CHM 105/106 or CHM 114/115 prereq)	3 hrs.
BIO 345 Forest Resources & Management	4 hrs.
BIO 350 Conservation Biology	3 hrs.
BIO 398 Ind. Research (ecosys./ecological focus)	3-4 hrs.

Capstone Course (3 hrs.): The following course must be completed in the Junior or Senior year.

BIO 450 Evolution (BIO 301 recommended)	3 hrs.
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Other Required Courses (3-5 hrs.)

MAT 114 Elementary Statistics	3 hrs.
OR MAT 124 Calculus I	5 hrs.

Total Hours: 40-44 hrs.

**Note that placement of experimental courses (marked with asterisks) within the major is subject to change.

Students completing a Biology Major may not also receive a Biochemistry Major, Biology Minor, or Health Professions Minor.

In order to earn a Major in Biology, students must earn a letter grade of C- or better in all biology courses needed to satisfy major requirements and attain a 2.0 average or higher in these courses. At least 50% of all Biology hours used to satisfy the major (20-22) must be Westminster courses.

Other Recommendations:

All biology majors must complete either MAT 114 or MAT 124. We highly recommend that students complete both courses, in particular those students who wish to enter graduate or healthcare professional school. Please note that for students who do not meet the prerequisites for these courses there are other math courses offered to help students prepare for this requirement (i.e., MAT 090, Intermediate Algebra and MAT 111, College Algebra).

The Biology department highly recommends that its students also have a strong foundation in Chemistry. In particular for those students who

plan to enter graduate or healthcare professional school, we recommend the following courses:

CHM 114/115	General Chemistry I
CHM 124/125	General Chemistry II
CHM 314/315	Organic Chemistry I
CHM 324/325	Organic Chemistry II

For students who plan to enter a healthcare professional school, we also recommend:

PHY 201	Physics I
PHY 212	Physics II

Please note additional courses in the Social Sciences and Humanities are also recommended. These students should consult their academic advisor for specific recommendations in these areas.

Biology Honors: this designation would be given for Biology Majors who meet the following criteria:

- GPA \geq 3.3 average for all BIO courses
- Two semesters of independent, hypothesis-driven research
 - preferably, a single project carried out over 2 semesters for a total of 4-6 hours of independent study
 - alternatively:
 - two single semester projects for a total of 4-6 hrs of independent study
 - a summer Research Experience for Undergraduates (REU) or similar type of research experience and a single semester project (2-3 hrs). These projects MUST be preapproved and must be accompanied by a formal campus presentation
- A formal thesis/paper that is evaluated by at least two faculty members
- An oral or poster presentation at the Undergraduate Scholars Forum or at a local, regional, or national conference.

Requirements for Minor in Biology:

Level I: Introductory Courses (8 hrs) - This level MUST be completed before Level II.

BIO 124/125 Biological Diversity	OR	4 hrs.
BIO 100 General Biology I		4 hrs.
BIO 114/115 Biological Processes		4 hrs.

Level II: Intermediate Courses (8 hrs) - Students take 2 of the following courses. At least 1 course from this group MUST be completed before Level III. The 2nd course MUST be completed by the end of the junior year.

Two of the following:		
BIO 203 Human Anatomy		4 hrs.
BIO 205 Ecology and Field Biology		4 hrs.
BIO 322 Vertebrate Biology		4 hrs.
BIO 301 Genetics		4 hrs.

Level III: Advanced Courses (6-8 hours) * Students take 2 of the following courses. Note: some courses may have specific prerequisites from Level II.

BIO 204 Animal Behavior	4 hrs.
BIO 208 Functional Plant Morphology	4 hrs.
BIO 210 Biogeography	3 hrs.
BIO 300 Cell Structure and Function**	3 hrs.
BIO 300 Ecotoxicology with accompanying lab**	4 hrs.
BIO 308 Taxon. & System. of Flowering Plants	4 hrs.
BIO 309 Phycology	4 hrs.
BIO 314 Vertebrate Histology (Ind. Study only)	3-4 hrs.

BIO 315 Entomology	4 hrs.
BIO 318 Ornithology	4 hrs.
BIO 320/321 Biology in Belize (or equivalent)	4 hrs.
BIO 330 Virology (BIO 301 recommended)	3 hrs.
BIO 325 Molecular Cell Biology	4 hrs.
BIO 340 Wetlands (CHM 105/106 or 114/115 prereq)	3 hrs.
BIO 345 Forest Resources & Management	4 hrs.
BIO 350 Conservation Biology	3 hrs.
BIO 370 Physiology (BIO 203 or 322 prereq)	4 hrs.
BIO 372 Developmental Biology (BIO 301 prereq)	4 hrs.
BIO 450 Evolution (BIO 301 recommended)	3 hrs.
BIO 403 Microbiology (BIO 114/115 & 124/125 and CHM 114/115 prereqs)	4 hrs.
BIO 404 Biochemistry (CHM 314/315 prereq, 324/325 coreq)	4 hrs.
BIO 415 Human Gross Anatomy (BIO 203 prereq)	4 hrs.

Total hours **22-24 hrs.**

Students completing a Biochemistry Major or a Health Professions minor may not also receive a Biology minor.

**Note that placement of experimental courses (marked with asterisks) within the minor is subject to change.

In order to earn a Minor in Biology, students must earn a letter grade of C- or better in all biology courses needed to satisfy minor requirements and attain a 2.0 average or higher in these courses. At least 50% of all Biology hours used to satisfy the minor (11-12) must be Westminster courses.

BUSINESS ADMINISTRATION MAJOR AND MINOR

John E. Simon Department of Accounting, Business Administration, Economics and Management Information Systems

Professor: B. Akande, W. Carner
Associate Professors: R. Bhandari (Chair), S. Manzoor, S. Phelps
Assistant Professor: R. Eames
Visiting Assistant Professor: R. Aulgur

Contact: Dr. Rabindra Bhandari
Phone: (573) 592-5204
Email: Rabindra.Bhandari@westminster-mo.edu

The Business Administration major is offered through the John E. Simon Department of Accounting, Business Administration, and Economics. Course work is designed to study the nature and complexity of organized commercial and not-for-profit activities, preparing students for service to society, the organization, and self.

The major develops an appreciation for the role of business in society, the moral and ethical dimensions of business, and the impact of diverse cultures on business operations. Students will also learn to appreciate human interaction in the work environment, and the process of conceiving, planning, designing, and running a business enterprise. The major will develop an ability to analyze complex problems and make reasoned judgments, to understand and work with financial data, and to understand and use personal computers and computer systems. Finally,

students will develop an ability to communicate effectively and work with others.

Business majors are well prepared for entry-level positions in a wide variety of organizations. In addition, graduate programs are available across the country for further study at the masters and doctoral levels. Students with graduate degrees find ready employment in business, education, research, and/or consulting.

Students must either have sophomore standing or be in their third semester as full-time Westminster students to enroll in any business course.

Requirements for the Major in Business Administration:

All business administration majors must complete ACC 215 and 216, ECN 211 and 212, and MAT 114 and achieve junior standing before registering for any 300- or 400- level courses in accounting, business administration, or economics.

Majors must have at least a 2.00 grade point average in all accounting, business administration, management information systems (MIS), and economics courses needed to satisfy major requirements.

Core Business Courses:

ACC 215 Principles of Financial Accounting	3 hrs.
ACC 216 Principles of Managerial Accounting	3 hrs.
BUS 220 Fundamentals of Management	3 hrs.
BUS 250 Principles of Marketing	3 hrs.
BUS 327 Operations Management	3 hrs.
OR ECN 351 Managerial Economics	
OR BUS 360 Decision Making	
ECN 211 Principles of Macroeconomics	3 hrs.
ECN 212 Principles of Microeconomics	3 hrs.
FIN 318 Corporate Financial Management	3 hrs.
MAT 114 Elementary Statistics	3 hrs.
MAT 122 Business Calculus	3 hrs.*
OR MAT 124 Calculus I	5 hrs.
MIS 210 Spreadsheet Applications in Business	3 hrs.
SPE 101 Introduction to Speech Communication	3 hrs.
OR SPE 203 Interpersonal Communication	3 hrs.
OR SPE 220 Public Relations	3 hrs.
Total Core Business hours	36-38 hrs.

Required Capstone Course

BUS 450 Business Policy	3 hrs.
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Elective courses and concentrations:

Business administration majors must also complete 12 credit hours of accounting, business, economics, or MIS courses as electives.

PHL 244 Business Ethics is also accepted as an elective.

At least 6 credit hours of electives must be business (BUS) courses.

Total Electives 12 hrs.

Total hours 51-53 hrs.

It is possible for a Business major to be completed with no concentration, by completing any 4 accounting, business, or economics courses (2 of them BUS courses) in addition to the required courses.

Students may also choose to complete one or more of the four concentration areas: finance, marketing, management, or entrepreneurial studies.

To complete a concentration area, a student must choose three of his/her electives from the list provided below for that concentration area, plus one additional accounting, business, or economics course. (For entrepreneurial studies, students must take BUS 325 and choose two more of their electives from the list.)

Some courses serve multiple concentrations. However, any given elective may be counted toward at most two concentrations simultaneously.

Entrepreneurship Concentration Electives

Required Course:

BUS 325 Entrepreneurship

Electives:

BUS 223 Business Law

BUS/FIN 318 Corporate Finance

BUS 399 Internship

SPE 310 Business and Professional Communication

Finance Concentration Electives

ACC 319 Federal Income Tax I

ACC 419 Federal Income Tax II

BUS/FIN 318 Corporate Finance

BUS 328 Managerial Finance

FIN 350 Investments

ECN 310 International Trade and Finance

ECN 316 Public Finance

ECN 325 Money and Banking

Management Concentration Electives

BUS 221 Organizational Behavior

BUS 325 Entrepreneurship

BUS 326 Human Resource Management

BUS 337 Labor Relations

BUS 300 coded (experimental) courses

PSY 305 Industrial/Organizational Psychology

SPE 203 Interpersonal Communication

SPE 310 Business and Professional Communication

Marketing Concentration Electives

BUS 330 Advertising

BUS 334 Consumer Behavior

BUS 340 International Business

BUS course on Sports Management

One of the following:

ENG 260 Introduction to Journalism

ENG 275 Intro to Creative Writing

ENG 365 Magazine Writing and Editing

One of the following:

PSY 310 Social Psychology

PSY 315 Psychology of Personality

PSY 320 Memory and Cognition

One of the following:

SPE 203 Interpersonal Communication

SPE 220 Public Relations

SPE 310 Business and Professional Communication

Requirements for the Minor in Business Administration:

ACC 215 Principles of Financial Accounting I 3 hrs.

BUS 220 Fundamentals of Management	3 hrs.
BUS/FIN 318 Corporate Finance	3 hrs.
BUS 250 Principles of Marketing	3 hrs.
BUS 340 International Business	3 hrs.
Two BUS Electives, 300 level or above	6 hrs.
Total hours	21 hrs.

PHL 218 Introduction to Logic
FRE or SPA 303 Advanced Conversation
ITS 399 Internship
OR Another course accepted by the Business Communication Program Director

BUSINESS COMMUNICATION PROGRAM

Professor: K. Hardeman—Coordinator

Contact: Professor Keith Hardeman

Phone: (573) 592-5203 Fax: (573) 592-5191

Email: Keith.Hardeman@westminster-mo.edu

In the Business Communication major, students study the communication process from a variety of perspectives—media relations, business, management and communications philosophy. Students receive a hands-on, real world applicable approach to the field. They learn the importance of communicating with different audiences in different ways. Students pursue three different academic paths within the major: oral communication, written communication, and visual communication.

Such a major could be especially desirable for students with interest in the dynamics of communication within the office-place, or the dynamics of communication between businesses and their external constituencies. **Mandatory pre-requisites are noted in parenthesis.** In the event there is a permanent discontinuation of any course offerings below, the program coordinator will work with students to select a comparable substitute.

Requirements for the Major in Business Communication

SPE 101 Introduction to Speech	3 hrs.
SPE 203 Interpersonal Communication	3 hrs.
SPE 310 Business and Professional Communication (SPE 101 and Junior standing)	3 hrs.
ENG 260 Intro to Journalism	3 hrs.
ENG 270 Expository Writing	3 hrs.
ENG 275 Introduction to Creative Writing	3 hrs.
BUS 220 Fundamentals of Management	3 hrs.
BUS 250 Principles of Marketing	3 hrs.
BUS 330 Principles of Advertising	3 hrs.
BUS 334 Consumer Behavior	<u>3 hrs.</u>
	30 hrs.

Written Communication:

One course from the following:	3 hrs.
ENG 360 Special Topics in Journalism (ENG 260)	
ENG 365 Magazine Writing and Editing (ENG 260)	
ENG 372 Creative Writing: Fiction (ENG 275)	
ENG 374 Creative Writing: Poetry (ENG 275)	
ENG 376 Creative Writing: Non-Fiction (ENG 275)	

Communication in Context:

Two courses from the following:	6 hrs.
SPE 220 Public Relations (SPE 101 & ENG 260 recommended)	
SPE 303 Communication in Relationships (SPE 203 & Sophomore status)	
POL 311 Political Parties, Voting, and Campaign Strategies (POL 112 or 211)	
BUS 326 Human Resource Management (BUS 220)	

Visual Communication:

Pick one from the following:	3 hrs.
ART 200 Digital Photography	
ART 210 Photography	
ART 215 Graphic Arts	
ART 230 Survey of Western Art I	
ART 231 Survey of Western Art II	
FAR 215 Art of the Film	
OR Another course accepted by the Business Communication Program Director	

Total hours 42 hrs.

CHEMISTRY MAJOR AND MINOR

Professor: G. Frerichs

Associate Professor: B. Hansert (Chair)

Assistant Professor: C. Halsey

Visiting Assistant Professor: R. Frederick, R. Zumwalt

Visiting Instructor: E. Fletchall

Contact: Dr. Bernie Hansert

Phone: (573) 592-5216 Fax: (573) 592-5206

Email: Bernie.Hansert@westminster-mo.edu

The Department of Chemistry offers a major program of study leading to a Bachelor of Arts in Chemistry as well as a minor program of study in chemistry. Introduction to Chemistry/Lab (CHM 105/106) satisfies the general education requirement for a laboratory science course. The objectives of course work and programs in this department are to give students a clear insight into the underlying principles of chemical phenomena and to introduce them to the analytical and reasoning skills that produce this insight. By emphasizing principles, courses in chemistry contribute to a student's general education and furnish a sound foundation for graduate and professional study and careers in chemistry and other scientific, technical and professional fields. Students intending to major or minor in chemistry must earn a letter grade of C- or better in all required chemistry courses. Students planning graduate study in chemistry are strongly encouraged to take PHY 223 Physics III, MAT 215 Linear Algebra, MAT 312 Differential Equations, and CSC 111 Fundamentals of Computer Science I.

Requirements for Major in Chemistry:

CHM 114, 115 General Chemistry I	4 hrs.
CHM 124, 125 General Chemistry II	4 hrs.
CHM 304 Inorganic Chemistry	3 hrs.
CHM 314, 315 Organic Chemistry I	4 hrs.
CHM 324, 325 Organic Chemistry II	4 hrs.
CHM 334, 335 Analytical Chemistry I	4 hrs.
CHM 344, 345 Analytical Chemistry II	4 hrs.
CHM 424, 425 Physical Chemistry I	4 hrs.
CHM 434, 435 Physical Chemistry II	4 hrs.
One course chosen from courses above the 200 level	3 hrs.
Total hours	38 hrs.

Other Required Courses:

Mathematics through MAT 224 Calculus III	13 hrs.
PHY 201 Physics I	4 hrs.
PHY 212 Physics II	4 hrs.
Total hours	59 hrs.

Requirements for Minor in Chemistry:

CHM 114, 115 General Chemistry I	4 hrs.
CHM 124, 125 General Chemistry II	4 hrs.
CHM 334, 335 Analytical Chemistry I	4 hrs.
At Least Seven Hours Selected from the Following:	
CHM 304 Inorganic Chemistry	3 hrs.
CHM 314 , 315 Organic Chemistry I	4 hrs.
CHM 324 , 325 Organic Chemistry II	4 hrs.
CHM 344 , 345 Analytical Chemistry II	4 hrs.
CHM 404 Physical Chemistry for the Life Sciences	3 hrs.
CHM 424, 425 Physical Chemistry I	4 hrs.
CHM 434, 435 Physical Chemistry II	4 hrs.
BIO 404 Biochemistry (CHM 314/315 prereq, 324/325 coreq)	4 hrs.
Total hours	19-20 hrs.

Note: Only one of the courses, CHM 404 or CHM 424/425, may be counted toward the minimum 7 hours of other courses.

CHIROPRACTIC DUAL-DEGREE PROGRAM

Contact: Dr. Dawn Holliday
Phone: 573-592-6125
Email: Dawn.Holliday@westminster-mo.edu

Based upon a mutual respect for the integrity of parallel academic programs and in an effort to better serve students intending to pursue the chiropractic profession, Logan College of Chiropractic/University Programs and Westminster College have entered into an agreement for an articulated program. This agreement defines the course work to be completed at Westminster for a student intending to matriculate at Logan, special terms of admission to Logan (3+3) program and special criteria for awarding of the Baccalaureate degree to participating students.

Under the provisions of this program, a “3+3 Program student will graduate from Westminster with a baccalaureate degree with a minimum of 93 credit hours in course work at Westminster and a minimum of 35 credit hours in coursework at Logan.”

Westminster Course Work (“Pre-Chiropractic Program”) Includes:

Required coursework to fulfill General Education Requirements:

Tier I WSM 101 or 102 Westminster Seminar	1-3 hrs.
Tier I LST 101 The Leader Within	1 hr.
Tier I ENG 103 Academic Writing	3 hrs.
Tier I Foreign Language	4 hrs.
Tier I MAT 124 Calculus I	5 hrs.
Tier II Historical Perspectives (2 courses)	6 hrs.
Tier II Fundamental Questions (1 course)	3 hrs.
Tier II Artistic Expression/Critical Appreciation (2 courses)	6 hrs.
Tier II Social Institutions (2 courses)	6 hrs.

Tier II Human Behavior (PSY 113)	3 hrs.
Tier II Language/Culture (1 course)	3-4 hrs.
Tier II Non-Western (1 course)	3 hrs.
Tier III (1 course)	3 hrs.
Upper Level Course (1 course)	3 hrs.
PE Activity Course (1 course)	1 hr.
Total credit hours	51-54 hrs.*

Required coursework to fulfill Biology Major and Pre-Logan Requirements:

Level 1: BIO 114/115 Biological Process	4 hrs.
Level 1: BIO 124/125 Biodiversity	4 hrs.
Level 2: One additional Biology Level 2	4 hrs.
Level 3: One additional “field” course	4 hrs.
CHM 114/115 General Chemistry I	4 hrs.
CHM 124/125 General Chemistry II	4 hrs.
CHM 314/315 Organic Chemistry I	4 hrs.
CHM 324/325 Organic Chemistry II	4 hrs.
PHY 201 Physics I	4 hrs.
PHY 212 Physics II	4 hrs.
Total credit hours	40 hrs.

Total credit hours from Westminster 93-94 hrs.*

Logan Course Work Includes:

A minimum of 33 credit hours must be completed with a cumulative grade point average of at least 2.00 on a scale of 4.00.

BSO1401_02 Anatomy I (for Level 2 credit)	5.5 hrs.
BSO2403_02 Anatomy II (for elective credit)	5.5 hrs.
BSO1501_02 Biochemistry I (for Level 3 credit)	4 hrs.
BSO2506_02 Biochemistry II for elective credit)	4 hrs.
BSO1502_02 Histology/Cell Biology (for Level 3 credit)	4 hrs.
BSO2601_02 Microbiology I for Level 3 credit)	4 hrs.
BSO2504_02 Physiology I (for Level 3 credit)	4 hrs.
BS 02405_02 Neuroanatomy (for elective credit)	4 hrs.
Total credit hours	35 hrs.*

Total Credit hours from Logan 35 hrs.**

*Credit Hour = Carnegie Definition of 50 minutes = 1 credit hour
**For every subject required by Logan (either offered by Westminster or Logan), no grade below a 2.00 on a 4.00 scale will be accepted for credit in this articulated program. In addition, all “3+3 Program” students must have earned a cumulative grade point average of at least 2.50 on a scale of 4.00 for the 90 credit hours at Westminster.

COACHING MINOR

Instructors: J. Dyson, D. Hughes, C. Madson, M. Mitchell, B. Murphy, J. Thompson, J. Welty

Contact: Dr. Therese Miller
Phone: (573) 592-5300
Email: Therese.Miller@westminster-mo.edu

Requirements for the Minor in Coaching

HES 230 Introduction to Prevention and Care of Injuries	2 hrs.
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HES 321 Kinesiology	3 hrs.
HES 340 Exercise Physiology	3 hrs.
HES 406 Management of Physical Education and Athletics	2 hrs.
Electives: Two Courses from the List Below, One must be a Coaching Theory Course:	
HES/PSY 231 Sport Psychology	3 hrs.
PED 311 Coaching Theory of Football	2 hrs.
PED 312 Coaching Theory of Soccer	2 hrs.
PED 313 Coaching Theory of Baseball	2 hrs.
PED 314 Coaching Theory of Basketball	2 hrs.
PED 317 Coaching Theory of Volleyball	2 hrs.
PED 318 Coaching Theory of Softball	2 hrs.
PED 319 Coaching Theory of Tennis	2 hrs.
Electives: One Course from the List Below:	
PED 331 Sports Officiating: Football	1 hr.
PED 332 Sports Officiating: Soccer	1 hr.
PED 333 Sports Officiating: Baseball	1
PED 334 Sports Officiating: Basketball	1 hr.
PED 337 Sports Officiating: Volleyball	1 hr.
PED 338 Sports Officiating: Softball	1 hr.
Total Required Hours for Minor	16-17 hrs.

All Coaching minors must have a grade of C or better in the classes needed to satisfy the minor requirements.

COMPUTER SCIENCE MAJOR

Professors: E. Mirielli, L. Webster

Contact: Dr. Edward Mirielli
 Phone: (573) 592-5220
 Email: Ed.Mirielli@westminster-mo.edu

The course offerings in Computer Science and Information Technology serve both Computer Science and Information Technology majors and students majoring in other fields. The introductory courses emphasize applications of computers and information technology for problem solving and data manipulation along with fundamental concepts of the computer science and information technology disciplines. The advanced courses are designed for extended study and exploration of the theoretical and technical aspects, and practical applications of computer science and information technology. The two majors offered by the Computer Science department will prepare students for either immediate employment or graduate study.

Computer Science and Information Technology courses are taught in a laboratory setting, permitting experimentation with the practical application of theoretical concepts. Students also present their work to various audiences in written, electronic, and verbal formats. In addition to the technical focus, students in both the CSC and ITY majors are provided opportunities to practice techniques to develop skills related to becoming professionals, effective communicators, and potential information technology leaders in a wide variety of organizations. It is recommended that students planning graduate study in computer science take additional courses in mathematics and physics. Student learning is achieved by applying a problem-based, project centered approach focusing on critical thinking, technological understanding, and interpersonal communications. Majors must earn a grade of C- or better in all CSC/ITY courses.

A degree in Computer Science focuses on the mathematical logical, and scientific applications of computer science particularly algorithms and software development. Students are required to complete complementary courses in mathematics, statistics and logic. Significant areas addressed in this major include secure coding empirical research, and data science. This major emphasizes problem solving, computer programming knowledge and skills, software engineering concepts and practices, and provides the student with opportunity to apply these concepts to a variety of computer-based systems.

Requirements for the Major in Computer Science

Required Courses:

CSC 104 Programming Logic and Design	3 hrs.
CSC 111 Fundamentals of Computer Science I	3 hrs.
CSC 178 Survey of Computer Science	3 hrs.
CSC 211 Fundamentals of Computer Science II	3 hrs.
CSC 327 Database Management Systems	3 hrs.
CSC 350 Systems Analysis and Design	3 hrs.
ITY 177 Foundations of Information Technology Science	3 hrs.
ITY 181 Introduction to Software Engineering	3 hrs.
ITY 351 Systems and Software Engineering Laboratory	3 hrs.
MAT 124 Calculus I	5 hrs.
Total	32 hrs.

Elective Courses:

At least two elective courses (6 hours) must come from the following list:

CSC 201 Introduction to Digital Systems	3 hrs.
CSC 205 Visual Basic Programming	3 hrs.
CSC 390 Object-Oriented Programming	3 hrs.
CSC 411 Topics in Programming	3 hrs.

Other elective courses (Must complete at least 6 hours):

CSC 314 Advanced Digital Systems	3 hrs.
CSC 316 Compilers, Interpreters, and Operating Systems	3 hrs.
CSC 398 Independent Study in Computer Science	1-4 hrs.
CSC 399 Internship in Computer Science	1-4 hrs.
CSC 427 Client Server and Web-based Programming	3 hrs.
CSC 454 Computer Science Practicum	1 hrs.
ITY 232 Computer Networking	3 hrs.
ITY 415 Information Technology in the Organization	3 hrs.
Total	12 hrs.

Additional Elective Courses (Any two below):

MAT 214 Calculus II	4 hrs.
MAT 215 Linear Algebra	3 hrs.
MAT 313 Mathematical Probability and Statistics	3 hrs.
PHL 224 Formal Logic	3 hrs.
Total	6-7 hrs.

Total Hours: 50-51 hrs.

CRIMINAL JUSTICE MINOR

Associate Professor: L. Fein

Contact: Dr. Lisa Fein
 Phone: 573-592-5309
 E-mail: Lisa.Fein@westminster-mo.edu

Westminster College students who earn a minor in Criminal Justice will have the skills they need to seek employment with a variety of local, state, and national law enforcement agencies. Specifically, students will learn theories about the causes and consequences of crime, current trends in crime and law enforcement, and how the law impacts individuals and society.

Requirements for the Minor in Criminal Justice

Required courses:

CRJ 101 Introduction to Criminal Justice	3 hrs.
SEC 300 Criminal Law	3 hrs.

Electives: (12 hours)

Students must take four of the following electives. Electives must be taken with at least two different course prefixes and at least two of the courses must be at the 300 level or above. Other courses may be accepted based on the approval of the program coordinator.

- PSY 315 Psychology of Personality
- PSY 330 Addictive Disorders
- PSY 340 Forensic Psychology
- PSY 390 Abnormal Psychology
- POL 211 American Government and Politics
- POL 305 International Law and Organizations
- POL 314 American Constitutional Law & Politics
- POL 316 American Jurisprudence
- POL 370 Drugs, Politics, and Public Policy
- SOC 111 Introduction to Sociology OR
- PSY 113 Psychology as a Social Science
- SOC 332 Prisons and Social Control
- SEC 201 Introduction to Security Studies
- SEC 312 Terrorism

Strongly Recommended:

- SPA 204 Intermediate Spanish II
- An internship in a related field

Total Hours: 18 hrs.

ECONOMICS MAJOR AND MINOR

John E. Simon Department of Accounting, Business Administration, Economics and Management Information Systems

Professor: B. Akande

Associate Professors: R. Bhandari (Chair), S. Manzoor

Assistant Professor: K. Tompson-Wolfe

Contact: Dr. Rabindra Bhandari

Phone: (573) 592-5359

Email: Rabindra.Bhandari@westminster-mo.edu

Economics is one of the majors offered through the John E. Simon Department of Accounting, Business Administration, Economics and Management Information Systems. Courses in the economics major contribute to an understanding of how economic decisions affect the world and to providing a basis for making informed judgments on public policy. Basic courses are designed for non-majors as well as majors.

The major provides a thorough grounding in the basic tools of economic analysis and intensive practice in applying these tools to the analysis of significant aspects of the American economy. This foundation should be

particularly useful to students preparing for graduate work in economics or those planning to enter the business world, law, or government service.

Students must either have sophomore standing or be in their third semester as full-time Westminster students to enroll in any economics course.

Requirements for the Major in Economics:

All economics majors must complete the core program (ECN 211, 212 and MAT 122 or MAT 124) and achieve junior standing before registering for any 300- or 400-level courses in economics.

ECN 211 Principles of Macroeconomics	3 hrs.
ECN 212 Principles of Microeconomics	3 hrs.
ECN 235 Research Methods in Economics and Business or	
ECN 367 Econometrics	3 hrs.
ECN 331 Intermediate Macroeconomic Theory	3 hrs.
ECN 332 Intermediate Price Theory	3 hrs.
Total	15 hrs.

Depending on one's interest and academic goals students may follow either one of the following two tracks to complete their Economics Major.

Track I: Economics Major

4 ECN electives (at least 2 upper level courses, ECN 110 will not be considered as an elective)	12 hrs.
ECN 425 Capstone Senior Seminar	3 hrs.

Other Requirements:

MAT 122 Business Calculus OR	
MAT 124 Calculus	3-5 hrs.
SPE 101 Introduction to Speech Communications or	
ENG 270 Expository Writing	3 hrs.
MIS or CSC course	3 hrs.

Total hours for Track I: 39-41 hrs.

Track 2: Economics Major with Honors*

ECN 360 Mathematical Economics	3 hrs.
ECN 367 Econometrics	3 hrs.
2 ECN electives:	6 hrs.
ECN 400 Senior Capstone Honors Thesis (2 semesters)	6 hrs.
Other Required Courses:	
MAT 124 Calculus	5 hrs.
MAT 215 Linear Algebra	3 hrs.
SPE 101 Introduction to Speech Communications or ENG 270 Expository Writing	3 hrs.
Total hours for Track II:	41 hrs.

***Minimum GPA requirement for Economics Major with Honors: 3.00 or better.**

Majors interested in careers in banking, finance, or management are encouraged to take at least six hours in accounting. Majors must have at least a 2.00 grade point average in all accounting, business administration, management information systems (MIS), and economics courses needed to satisfy major requirements.

NOTE: As ECN 235, and higher level math courses (MAT 122 or MAT 124) are required for the major, we do not explicitly require MAT 114. If students take MAT 122 or MAT 124 or ECN 235 they will satisfy the

prerequisite of MAT 114 for taking economic courses. MAT 114 is required for students who have not taken or will not take MAT 122 or MAT 124 or ECN 235 to satisfy prerequisites for some economics courses such as ECN 211, ECN 212 or ECN 334, etc. (i.e. non-economic majors and some starting with lower level math courses).

Requirements for the Minor in Economics:

The objective of an Economics minor is to provide an avenue for acquiring a basic understanding of economics that can complement the student’s major course of study. The student who successfully completes a minor in economics will have a strong grasp of economic theory. This will help her/him to understand and analyze contemporary economic issues and events such as health care, social security, taxes, welfare, environmental policy, international trade, economic growth, business cycles, and the role of government policies. In addition, study of economics provides strong rational decision-making skills.

Required Courses:

ECN 211 Principles of Macroeconomics	3 hrs.
ECN 212 Principles of Microeconomics	3 hrs.
ECN 331 Intermediate Macroeconomic Theory	3 hrs.
ECN 332 Intermediate Price Theory	3 hrs.

Elective Courses:

Two Economics electives (must include at least one upper-level course)	6 hrs.
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Total Hours Required 18 hrs.

EDUCATION MAJORS AND MINOR

Professors: L. Aulgur, S. Serota

Associate Professors: J. Concannon (Chair), R. Cowles, M. Majerus

Assistant Professors: B. Bumgarner

Contact: Dr. Jim Concannon

Phone: (573) 592-5293

Email: Jim.Concannon@westminster-mo.edu

The Westminster College Teacher Education Program is administered by the Department of Education. The program is designed to promote the life-long learning dispositions the teaching profession demands, as well to provide the depth and breadth of academic and practical knowledge needed for successful beginning teaching. The conceptual framework emphasizes the idea of “the teacher as a reflective practitioner.” The faculty draws on research and extensive experience to make course work meaningful and strives to demonstrate attitudes and practice, which serve as examples for students' future classrooms. Students receive personal attention within a learning community that encourages them to develop critical thinking, creative sensibility, and communication arts to share ideas and to understand others as they teach and learn in a global, technological society.

Those who wish to teach will earn a Bachelor of Arts with majors offered in Elementary (grades 1-6), Early childhood (birth-Grade 3), Middle School (grades 5-9), and Secondary Education (grades 9-12). Secondary content emphasis areas are: Business, Mathematics, Social Studies, Biology, Physics, Chemistry, General Science, English, Spanish (K-12), French (K-12) Physical Education. Middle school majors are encouraged to complete two areas of content concentration selected from English, Science, Social Studies, and Mathematics. Each concentration area

consists of at least 24 hours. Elementary majors must have at least one area of concentration of 24 hours chosen from Mathematics, Social Studies, Science or English. There is an add-on certification option for Elementary majors who wish to add Early Childhood certification.

The Teacher Education Program is designed so that majors complete a course of study approved by the State of Missouri Department of Elementary and Secondary Education (DESE) which will lead to recommendation for certification in the chosen major and concentration areas. NOTE: A student who earns a grade of D in a course with an EDU prefix cannot be recommended for certification. Teacher education preparation experiences include research, observation, demonstration, and participation in local school settings. Students who prepare for a teaching career must meet professional education requirements specified by the Missouri Department of Elementary and Secondary Education, as well as the program requirements of Westminster College. Teacher education majors must demonstrate competencies in reading, writing, mathematics, science, and social science.

Students must be accepted into the Teacher Education program before taking upper level professional education courses. Admission criteria are:

1. Register and take the Missouri Educator Profile (MEP); passing score not required; required to take in EDU 101.
2. Passing scores all subsets of the Missouri General Education Assessment (MOGEA); required to take in EDU 290; Send results to Rikka Brown.
3. Resume; to be done in EDU 290; send to Rikka Brown.
4. Written Teaching Philosophy Document; to be done in EDU 290; send to Rikka Brown.
5. Maintain an annual student membership with the Missouri State Teacher Association (MSTA); Practicum 1 (EDU 291); send document to Rikka Brown.
6. Register with the Family Care Safety Registry at: www.health.mo.gov/safety/fcsr during Practicum 1 (EDU 291); send results to Rikka Brown.
7. Satisfactory Dispositions Checklist from Cooperating Teacher and Professor of Practicum I (EDU 291).
8. Letter of Recommendation from an Education Faculty Member.
9. Letter of Recommendation from an Outside Faculty Member.
10. 4-year Plan signed by advisor and sent to Rikka Brown.
11. Grade Point Average: 2.75 Overall; 3.00 Education Coursework; 3.0 Content Coursework at the end of sophomore year; for transfer students, GPA will be calculated after one semester of Westminster coursework.
12. A formal letter requesting consideration for admittance into the Teacher Education Program.

After entry into the program and before graduation, it is required that students pass a nationally criterion referenced entrance exam to the profession, established by DESE. Completing the national test is part of the certification application process. Students must also obtain a Missouri substitute certificate prior to the student teaching experience.

Note: Students must obtain a final grade of C or higher in each professional education course and maintain a GPA of 3.0 in all professional education courses. Students are not allowed to have grades below C in their content area concentrations and they must have a 3.0 in their chosen concentration to be recommended for certification. No

more than two (2) grades of D in the general education courses required for graduation are acceptable and students are encouraged to retake courses in which they receive grades of D.

Prior to student teaching, the pre-service teacher must:

1. Previously been admitted into the Teacher Education Program (TEP)
2. Pass the content exam within the first two attempts; relative to the pre-service teacher's certification area.
3. Hold a valid Missouri substitute teaching certificate.
4. Maintain a 3.0 education GPA, 3.0 Content GPA, and an overall 2.75 GPA.
5. Maintain a student membership in the Missouri State Teacher's Association.
6. Provide a formal request to student teach at least one semester prior to the intended student teaching experience sent to Rikka Brown. The request must be received one full semester prior to the intended student teaching experience. The request should indicate a school or a teacher if applicable.

Note: Student teaching is required for certification.

Changes to Coursework and Assessments

At the time of this publication, The Missouri Department of Elementary & Secondary Education – Office of Educator Quality is working with the Missouri legislature and all higher education institutions certifying teachers in the state as well as representative stakeholders groups to redesign the standards for educator preparation including certification requirements. The Westminster Education Department is currently revising some required coursework and developing some new courses. These changes and implementation schedule, expected to go into effect for all certification majors graduating after Spring of 2017, will be communicated to students through individual advising sessions, meetings, and/or other college communications. If there are any questions and/or concerns, please contact the Director of Educator Preparation in the Office of Educator Quality.

Early Childhood Education (Birth through Grade 3)

Core Early Childhood Education Courses

EDU 101 Introduction to Teaching	1 hr.
EDU 207 Health, Safety and P.E.	3 hrs.
EDU 210 Literature for Children	3 hrs.
EDU 221 Education Psychology	3 hrs.
EDU 230 Child and Adolescent Growth & Development	3 hrs.
EDU 231 Education of Exceptional Individuals	3 hrs.
EDU 280 Programs in Early Childhood Education	3 hrs.
EDU 288 Assessment in Early Childhood Education	2 hrs.
EDU 290 Foundations of Education	3 hrs.
EDU 260 Emergent Literacy	3 hrs.
EDU 392 Reading & Writing in Content Area	3 hrs.
EDU 453 Classroom Organization Management	3 hrs.
EDU 490 Education Seminar	3 hrs.
MAT 231 Mathematics for Elem. & Middle School	3 hrs.
PSY 113 Psychology as a Social Science	3 hrs.

Methods of Teaching Courses

EDU 203 Teaching Art, Music and Language Arts	3 hrs.
EDU 306 Teaching Reading	3 hrs.
EDU 310 Methods of Teaching Science	2 hrs.
EDU 380 Integrated Curriculum in ECE	3 hrs.
MAT 351 Methods of Teaching Elem./Middle Sch. Math	3 hrs.

Field and Clinical Experience Courses

EDU 291 Education Practicum I	2 hrs.
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EDU 393 Education Practicum II	2 hrs.
EDU 417 Advanced Practicum	1-3 hrs.
EDU 492 Student Teaching: Elementary School	12 hrs.

Content Coursework

The content coursework for elementary and early childhood majors is considered to be the College's General Education Requirements.

Elementary Education: (Grades 1-6)

Core Elementary Courses

EDU 101 Introduction to Teaching	1 hr.
EDU 207 Health, Safety, and P.E.	3 hrs.
EDU 210 Literature for Children	3 hrs.
EDU 221 Education Psychology	3 hrs.
EDU 230 Child and Adolescent Growth & Development	3 hrs.
EDU 231 Education of Exceptional Individuals	3 hrs.
EDU 290 Foundations of Education	3 hrs.
EDU 260 Emergent Literacy	3 hrs.
EDU 350 Digital Literacy	3 hrs.
EDU 392 Reading & Writing in the Content Area	3 hrs.
EDU 441 Reading Assessment & Analysis	3 hrs.
EDU 453 Classroom Organization Management	3 hrs.
EDU 490 Education Seminar	3 hrs.
MAT 231 Mathematics for Elem/Middle Sch. Teachers	3 hrs.

Methods of Teaching Courses

EDU 203 Teaching Art, Music and Language Arts	3 hrs.
EDU 306 Teaching Reading	3 hrs.
EDU 308 Methods of Teaching Social Studies in Elem. And Middle School	2 hrs.
EDU310 Methods of Teaching Science in Elementary And Middle School	2 hrs.
MAT 351 Methods of Teaching Elementary & Middle School Mathematics	3 hrs.

Field and Clinical Experiences Courses

EDU 291 Education Practicum I	2 hrs.
EDU 393 Education Practicum II	2 hrs.
EDU 492 Student Teaching: Elementary School	12 hrs.

Content Coursework

The content coursework for elementary and early childhood majors is considered to be the College's General Education Requirements.

Early Childhood Add-On for Elementary (Birth to Grade 3)

EDU 280 Programs in Early Childhood Education	3 hrs.
EDU 288 Assessment in Early Childhood Education	2 hrs.
EDU 380 Integrated Curriculum in ECE	3 hrs.
EDU 417 Advanced Practicum	1 hr.

Middle School Education: Grades 5-9

Core Middle School Courses

EDU 101 Introduction to Teaching	1 hr.
EDU 221 Educational Psychology	3 hrs.
EDU 230 Child and Adolescent Growth & Development	3 hrs.
EDU 231 Education of Exceptional Individuals	3 hrs.
EDU 290 Foundations of Education	3 hrs.
EDU 306 Teaching Reading	3 hrs.
EDU 311 Middle School Philosophy and Organization	2 hrs.
EDU 314 Middle School Curriculum and Instruction	2 hrs.
EDU 392 Reading & Writing in Content Area	3 hrs.
EDU 453 Classroom Organization and Management	3 hrs.
EDU 490 Education Seminar	3 hrs.

Field and Clinical Experience Courses

EDU 291 Education Practicum I	2 hrs.
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EDU 393 Education Practicum II	2 hrs.
EDU 495 Student Teaching: Middle School Methods of Teaching Courses by Content Area	12 hrs.
English Language Arts	
EDU 309 Teaching of Writing in Middle and Secondary Schools	3 hrs.
EDU 431 Teaching English in Middle and Secondary Schools	3 hrs.
Mathematics	
MAT 351 Methods of Teaching Elementary & Middle School Mathematics	3 hrs.
Science	
EDU 436 Methods of Teaching Science in Middle And Secondary Schools	3 hrs.
Social Science	
EDU 435 Methods of Teaching Social Studies In Middle and Secondary Schools	3 hrs.
Additional Content Coursework + 24 Hours in Concentration Area Specific Courses to meet 24 hr. minimum	
English Language Arts	
ENG 103 Academic Writing	3 hrs.
ENG 204 Introduction to Literature	3 hrs.
ENG 205 British Literature to 1800 OR	3 hrs.
ENG 206 British Literature since 1800	3 hrs.
ENG 238 American Literature to the Civil War OR	3 hrs.
ENG 239 American Lit. since the Civil War	3 hrs.
ENG 248 World Literature to 1600 OR	3 hrs.
ENG 249 World Literature since 1600	3 hrs.
ENG 270 Expository Writing	3 hrs.
ENG 275 Introduction to Creative Writing	3 hrs.
ENG 210 Literature for Children and Youth	3 hrs.
Science	
ENV 105 Introduction to Environmental Science	3 hrs.
CHM 114/115 General Chemistry I/Lab	4 hrs.
GEO 108 Introduction to Physical Geology OR	4 hrs.
GEO 110 Earth Systems	4 hrs.
NSC 305 Survey of the History of Science	3 hrs.
PHY 105 Introduction to Physics	3 hrs.
BIO 124/125 Biodiversity/Lab	4 hrs.
BIO 107 Introduction to Human Biology/Lab	4 hrs.
Mathematics	
MAT 114 Elementary Statistics	3 hrs.
MAT 121 Pre-Calculus	3 hrs.
MAT 124 Calculus I	5 hrs.
MAT 214 Calculus II	4 hrs.
MAT 231 Mathematics for Elementary and Middle School Teachers	3 hrs.
MAT 305 Heart of Mathematics	3 hrs.
MAT 310 History of Mathematics OR	3 hrs.
MAT 215 Linear Algebra	3 hrs.
Social Sciences	
ECN 110 Introduction to Economics	3 hrs.
HIS 103 History of the United States to 1877 OR	3 hrs.
HIS 104 History of the U.S. Since 1877	3 hrs.
HIS 109 World History I	3 hrs.
HIS 110 World History II	3 hrs.
POL 112 Introduction to Political Science OR	3 hrs.
POL 205 Introduction to Political Theory	3 hrs.
POL 211 American Government & Politics	3 hrs.
PSY 112 Psychology as a Natural Science OR	3 hrs.
PSY 113 Psychology as a Social Science	3 hrs.

SOC 111 Introduction to Sociology OR	3 hrs.
ANT 115 Intro to Cultural Anthropology	3 hrs.

Concentration Areas: A single concentration area of 24 hours is recommended to be selected from social studies, science, mathematics, and English language arts. Some of the concentration area courses are included in the general education requirements of the state and the College. Consult with an advisor to coordinate program of study. No grade below a C is allowed in the areas of concentration and the GPA in each must be 3.0.

Secondary School Education: Grades 9 – 12

Core Secondary Courses

EDU 101 Introduction to Teaching	1 hr.
EDU 221 Education Psychology	3 hrs.
EDU 230 Child and Adolescent Growth & Development	3 hrs.
EDU 231 Education of Exceptional Individuals	3 hrs.
EDU 290 Foundations of Education	3 hrs.
EDU 306 Teaching Reading	3 hrs.
EDU 392 Reading & Writing in the Content Area	3 hrs.
EDU 453 Classroom Organization and Management	3 hrs.
EDU 490 Education Seminar	3 hrs.

Field and Clinical Experience Courses

EDU 291 Education Practicum I	2 hrs.
EDU 393 Education Practicum II	2 hrs.
EDU 497 Student Teaching in High School	12 hrs.

Methods of Teaching Courses by Content Area

Biology	
EDU 425 Methods of Secondary School Teaching	3 hrs.
EDU 436 Methods of Teaching Science in Sec.	3 hrs.

Business

EDU 425 Methods of Secondary School Teaching	3 hrs.
EDU 398 Independent Study: Methods of Teaching Business	3 hrs.

Chemistry

EDU 425 Methods of Secondary School Teaching	3 hrs.
EDU 436 Methods of Teaching Science in Sec.	3 hrs.

English Language Arts

EDU 425 Methods of Secondary School Teaching	3 hrs.
EDU 431 Teaching English in Middle & Sec.	3 hrs.

General Science

EDU 425 Methods of Secondary School Teaching	3 hrs.
EDU 436 Methods of Teaching Science in Sec.	3 hrs.

Mathematics

EDU 425 Methods of Secondary School Teaching	3 hrs.
EDU 433 Teaching Mathematics in Middle & Sec.	3 hrs.
MAT 231 Mathematics for Elem. & Middle School	3 hrs.
MAT 351 Methods of Teaching Elem/Mid Math	3 hrs.

Social Science

EDU 425 Methods of Secondary School Teaching	3 hrs.
EDU 435 Teaching Social Studies in Middle/Sec.	3 hrs.

Secondary Education specialty areas of concentration are offered in the following fields of study: Biology, Business, Chemistry, English, French, General Science, Mathematics, Physical Education, Physics, Social Studies, and Spanish. (See an education advisor for a more information.)

Content Courses Secondary Biology

NSC 305 History of Science	3 hrs.
BIO 325 Molecular Cell Biology	3 hrs.

BIO 114/115 Biological Processes/Lab	4 hrs.	Or GEO 108 Physical Geology	4 hrs.
BIO 124/125 Biodiversity/Lab	4 hrs.	PHY 105 Intro. to Physics	4 hrs.
BIO 301 Genetics	4 hrs.		
BIO 201 Introduction to Evolution	3 hrs.		
BIO 203 Human Anatomy	4 hrs.		
OR BIO 204 Animal Behavior	4 hrs.		
OR BIO 205 Ecology & Field Biology	4 hrs.		
OR BIO 208 Functional Plant Morphology	4 hrs.		
BIO 315 Entomology	4 hrs.		
BIO 318 Ornithology	4 hrs.		
BIO 322 Vertebrate Biology	4 hrs.		
BIO 345 Forest Resources & Management	4 hrs.		
BIO 370 Physiology	4 hrs.		
CHM 114/115 General Chemistry I/Lab	4 hrs.		
PHY 105 Introduction to Physics	3 hrs.		
GEO 108 Physical Geology	4 hrs.		
OR GEO 110 Earth Systems	4 hrs.		
ENV 105 Intro to Environmental Science	3 hrs.		

Content Courses Secondary Business

Accounting (6 hrs.)	
ACC 215 Principles of Financial Accounting	3 hrs.
ACC 216 Principles of Managerial Accounting	3 hrs.
Management (3 hrs.)	
BUS 220 Fund. Marketing	3 hrs.
Business/Consumer Related Law (3 hrs.)	
BUS 223 Business Law	3 hrs.
Marketing (3 hrs.)	
BUS 250 Principles of Marketing	3 hrs.
Computer/Emerging Technology (6 hrs.)	
CSC 104 Programming Logic & Design	3 hrs.
ITY 250 Webpage Design, Aesthetics & Interaction	3 hrs.
Economics (6 hrs.)	
ECN 211 Macroeconomics	3 hrs.
ECN 212 Microeconomics	3 hrs.
Business Communications (3 hrs.)	
SPE 310 Business and Professional Comm.	3 hrs.
Implementing Business Education Programs (3 hrs.)	
EDU 370 Business Education Implementation	3 hrs.
Coordination of Cooperative Education (3 hrs.)	
EDU 399 Internship	3 hrs.
Elective, choose one:	3 hrs.
BUS 221 Organizational Behavior	
BUS 334 Cross Cultural Management	
BUS 326 Human Resource Management	

Content Courses Secondary Chemistry

History/Philosophy of Science and Technology (3 hrs.)	
NSC 305 History/Philosophy of Science	3 hrs.
Chemistry coursework, at least 20 hours including:	
CHM 114-115 General Chemistry I	4 hrs.
CHM 124-125 General Chemistry II	4 hrs.
CHM 314-315 Organic Chemistry I	4 hrs.
CHM324/325 Organic Chemistry II	3 hrs.
CHM 334/335 Analytical Chemistry I	4 hrs.
CHM 424/425 Physical Chemistry I	4 hrs.
BIO 114 Biological Processes/Lab	4 hrs.
Additional Science Coursework, at least 12 hours including:	
BIO 124/125 Biodiversity/Lab	4 hrs.
ENV 105 Intro to Environmental Science	3 hrs.
GEO 110 Earth Systems	4 hrs.

Content Courses Secondary English Language Arts

Composition & Rhetoric (12 hrs.)	
ENG 103 Academic Writing	3 hrs.
ENG 270 Expository Writing	3 hrs.
ENG 275 Introduction to Creative Writing	3 hrs.
EDU 309 Teaching of Writing Middle/Sec. School	3 hrs.
Study of English Language (6 hrs.)	
ENG 280 Introduction to Linguistics	3 hrs.
ENG 330 Visions & Revisions	3 hrs.
American Literature (6 hrs.)	
ENG 210 Literature for Children and Youth	3 hrs.
ENG 345 Ethnic Literature	3 hrs.
English or World Literature (6 hrs.)	
ENG 248 World Literature to 1600	3 hrs.
ENG 249 World Literature since 1600	3 hrs.
ENG 205 British Literature	3 hrs.
ENG 206 English Literature	3 hrs.
Elective English Credits	
ENG 350 Shakespeare	3 hrs.

Content Courses Secondary General Science

NSC 305 History/Philosophy of Science	3 hrs.
Science Coursework, at least 32 hours including:	
AST 211 Astronomy	3 hrs.
BIO 114/115 Biological Processes	4 hrs.
BIO 124/125 Biodiversity	4 hrs.
CHM 114/115 General Chemistry I	4 hrs.
CHM 124/125 General Chemistry II	4 hrs.
ENV 105 Introduction to Environmental Sciences	3 hrs.
GEO 108 Physical Geology	4 hrs.
OR GEO 110 Earth Systems	4 hrs.
PHY 105 Introduction to Physics	4 hrs.

Content Courses Secondary Mathematics

Calculus & Analytical Geometry (9 hrs.)	
MAT 124 Calculus I	5 hrs.
MAT 214 Calculus II	4 hrs.
Algebraic Structures (3 hrs.)	
MAT 422 Modern Algebra	3 hrs.
Geometry (3 hrs.)	
MAT 314 Higher Geometry	3 hrs.
Computer Science (3 hrs.)	
CSC 104 Programming Logic and Design	3 hrs.
Electives from Above Categories (6 hrs.)	
Examples:	
MAT 215 Linear Algebra	3 hrs.
MAT 224 Calculus	4 hrs.
Additional Mathematics coursework, at least 12 hours	
MAT 305 Heart of Mathematics	3 hrs.
MAT 310 History of Mathematics	3 hrs.
MAT 313 Mathematical Probability & Statistics	3 hrs.
MAT 331 Mathematics Seminar	3 hrs.
MAT 424 Advanced Calculus	3 hrs.
CSC 111 Fundamentals of Computer Science	3 hrs.

Physical Education: Grades K-12

Core Physical Education Courses	
EDU 101 Introduction to Teaching	1 hr.

EDU 221 Education Psychology	3 hrs.
EDU 230 Child and Adolescent Growth & Development	3 hrs.
EDU 231 Education of Exceptional Individuals	3 hrs.
EDU 290 Foundations of Education	3 hrs.
EDU 392 Reading & Writing in Content Area	3 hrs.
EDU 453 Classroom Organization & Management	3 hrs.
EDU 490 Education Seminar	3 hrs.
Field and Clinical Experience Courses	
EDU 291 Education Practicum I	2 hrs.
EDU 393 Education Practicum II	2 hrs.
EDU 492/495/497 Student Teaching	12 hrs.
Methods and Content Courses	
BIO 107 Human Biology	4 hrs.
HES 104 First Aid/CPR	1 hr.
HES/EDU 207 Health, Nutrition & Safety	3 hrs.
HES 215 Motor Learning	2 hrs.
HES 220 Sports Psychology	2 hrs.
HES 230 Care and Prevention of Injuries	2 hrs.
HES 231 Psychology of Sport	3 hrs.
HES 251 Intro. to Nutrition	3 hrs.
HES 309 History & Philosophy of PE	2 hrs.
HES 321 Kinesiology	3 hrs.
HES 340 Exercise Physiology	3 hrs.
HES 350 Theories of Adapted Physical Education	3 hrs.
HES 405 Measurement & Evaluation in PE	2 hrs.
PED Axx Fitness Activity	1 hr.
PED Axx Life Activity, Recreation & Dance (3 courses)	3 hrs.
PED Axx Team and Individual Sports	3 hrs.
PED 206 Elementary Methods of PE	3 hrs.
PED 208 Creative Movement, Games & Rhythms	3 hrs.
EDU 434 Middle/Secondary School PE Methods	3 hrs.

Content Courses Secondary Social Science

US History (12 hrs.)	
HIS 103 History of the US to 1877	3 hrs.
HIS 104 History of the US since 1877	3 hrs.
HIS 316 American Revolution	3 hrs.
HIS 319 Civil War	3 hrs.
OR HIS 336 America since 1945	3 hrs.
World History (9 hrs.)	
HIS 109 World History I	3 hrs.
HIS 110 World History II	3 hrs.
HIS 323 Europe since 1945	3 hrs.
OR HIS 279 African Civilization	3 hrs.
OR HIS 101 British History to 1800	3 hrs.
OR HIS 102 British History since 1800	3 hrs.
Political Science (6 hrs.)	
POL 112 Introduction to Political Science	3 hrs.
POL 211 American Government & Politics	3 hrs.
Economics (3 hrs.)	
ECN 110 Introduction to Economics	3 hrs.
Geography (3 hrs.)	
GOG 101 Introduction to Geography	3 hrs.
Behavioral Science (6 hrs.)	
PSY 112 Psychology as a Natural Science	3 hrs.
OR PSY 113 Psychology as a Social Science	3 hrs.
SOC 111 Introduction to Sociology	3 hrs.
OR ANT 115 Intro to Cultural Anthropology	3 hrs.

K-12 World Language Education

Core World Language Education Coursework

EDU 101 Introduction to Teaching	1 hr.
EDU 221 Education Psychology	3 hrs.
EDU 230 Child and Adolescent Growth & Development	3 hrs.
EDU 231 Education of Exceptional Individuals	3 hrs.
EDU 290 Foundations of Education	3 hrs.
EDU 392 Reading & Writing in Content Area	3 hrs.
EDU 453 Classroom Organization Management	3 hrs.
EDU 490 Education Seminar	3 hrs.
Field and Clinical Experiences Courses	
EDU 291 Education Practicum I	2 hrs.
EDU 393 Education Practicum II	2 hrs.
EDU 49x Student Teaching	12 hrs.
Methods of Teaching Courses	
EDU 437 Methods of Teaching a Foreign Language	3 hrs.
Content Courses	
Thirty (30) semester hours in language to be taught or 27 semester hours plus two (2) or more earned units of high school credit in language to be taught. Hours completed must include a minimum of fifteen (15) semester hours in upper-level courses with no more than six (6) of those hours in history/culture.	
Spanish	
SPA 101, 102, 203, 204 Elem. & Intermediate	14 hrs.
SPA 303 Advanced Spanish Conversation	3 hrs.
SPA 351 Introduction to Spanish Literature	3 hrs.
SPA 353 19 th & 20 th Century Latin American Lit.	3 hrs.
SPA 363 Spanish-American Novel	3 hrs.
SPA 377 Spanish Civilization	3 hrs.
SPA 378 Latin American Civilization	3 hrs.
SPA 381 Advanced Grammar & Composition	3 hrs.
French	
FRE 101, 102, 203, 204 Elem. & Intermediate	14 hrs.
FRE 303 Advanced French Conversation	3 hrs.
FRE 306 Advanced Grammar & Composition	3 hrs.
FRE 358 French Literature	3 hrs.
FRE 359 The Individual in Society II	3 hrs.
FRE 362 Francophone Civilization	3 hrs.
FRE 363 French Civilization	3 hrs.

It is important to contact faculty in the Teacher Education Program for guidance in scheduling courses.

Policy regarding student teaching: Students enrolling in EDU 492 Student Teaching: Elementary, EDU 495 Student Teaching: Middle School, and EDU 497 Student Teaching: Secondary who are members of collegiate sports teams should a) plan to student teach during a semester in which their sport is not played, b) after their eligibility has expired, or c) during a semester in which they choose not to play.

EDUCATION MINOR

Contact: Jim Concannon

Phone: 573-592-5293

Email: Jim.Concannon@westminster-mo.edu

Students who successfully complete this program will acquire perspectives aligned with appropriate instruction. The goal of the Minor in Education is to facilitate students' understanding of the central concepts, structures, and tools of inquiry of the discipline(s) and how to create learning experiences that make these aspects of subject matter meaningful and engaging for all students. Students will also understand how individuals learn, develop and differ in their approaches to

learning, understand how to adapt to diverse learners, recognize the importance of long-range planning and curriculum development, and how to implement and evaluate standards-based curriculum.

Requirements for the Minor in Education

EDU 101 Introduction to Teaching	1 hr.
EDU 230 Child and Adolescent Growth & Development	3 hrs.
EDU 231 Education of Exceptional Individuals	3 hrs.
EDU 290 Foundations of Education	3 hrs.
Elective Courses (Minimum of 5 hrs.)	
EDU/PSY 221 Educational Psychology	3 hrs.
EDU 308 Teaching Social Studies in Elem. & MS	2 hrs.
EDU 309 Teaching Writing	3 hrs.
EDU 310 Methods of Teaching Science in Elem. & MS	2 hrs.
EDU 311 Middle School Philosophy & Organization	2 hrs.
EDU 314 Middle School Curriculum & Instruction	2 hrs.
EDU 392 Reading & Writing in Content Area	3 hrs.
EDU 425 Methods of Secondary Teaching	3 hrs.
EDU 434 Methods of Teaching PE in Secondary	3 hrs.
EDU 435 Methods of Teaching Social Studies	3 hrs.
EDU 436 Methods of Teaching Science/Secondary	3 hrs.
EDU 453 Classroom Management & Organization	3 hrs.
Total	15-16 hrs.

EDUCATION CURRICULUM STUDIES MAJOR

Professor: L. Aulgur, S. Serota

Associate Professors: J. Concannon (Chair), R. Cowles, M. Majerus

Assistant Professors: B. Bumgarner

Contact: Jim Concannon

Phone: 573-592-5293

Email: Jim.Concannon@westminster-mo.edu

The Education Curriculum Studies Major encompasses a thorough foundational knowledge base of educational theory and appropriate curriculum for the specified area of concentration. The student will be prepared to work in various school settings in a support capacity, but not as a certified teacher, as well as being prepared for a number of additional careers, including youth programming in social services, recreational services, or educational sales. Students will participate in a practicum component doing field work in a school setting, and will pursue writing and speech intensive coursework necessary to success in any field.

Required Courses

EDU/PSY 221 Educational Psychology	3 hrs.
EDU 230 Child & Adolescent Growth & Devel.	3 hrs.
EDU 231 Education of Exceptional Individuals	3 hrs.
EDU 290 Foundations of Education	3 hrs.
EDU 291 Education Practicum I	2 hrs.
EDU 393 Education Practicum II	2 hrs.
EDU 417 Special Practicum/Capstone	6 hrs.
	22 hrs.

Electives (15 hours)

EDU 101 Introduction to Teaching	1 hr.
EDU 203 Teaching Art, Music and Lang. Arts	3 hrs.
EDU/HES 206 Growth & Devel. in Elementary PE	3 hrs.

EDU/HES 207 School Health, PE & Safety in Elem.	3 hrs.
EDU 210 Literature for Children & Youth	3 hrs.
EDU 280 Programs in Early Childhood	3 hrs.
EDU 288 Assessment in Early Childhood	2 hrs.
EDU 306 Teaching Reading	3 hrs.
EDU 308 Methods of teaching Soc. Stud. in Elem./MS	2 hrs.
EDU 309 Teaching of Writing in Middle & Secondary	3 hrs.
EDU 310 Methods of teaching Science in Elem./MS	2 hrs.
EDU 311 Middle School Philosophy & Organization	2 hrs.
EDU 314 Middle School Curriculum & Instruction	2 hrs.
EDU 380 Integrated Curriculum in Early Childhood	3 hrs.
EDU 392 Reading & Writing in Content Area	3 hrs.
EDU 400 Programs in Business Education	3 hrs.
EDU 425 Secondary School Teaching	3 hrs.
EDU 431 Teaching English in Secondary/MS	3 hrs.
EDU 433 Teaching Math in Middle/Secondary Schools	3 hrs.
EDU 434 Methods of Teaching MS/Secondary PE	3 hrs.
EDU 435 Teaching Social Studies in MS/Sec. Schools	3 hrs.
EDU 436 Teaching Science in Middle/Sec. Schools	3 hrs.
EDU 437/FLG 220 Methods of Teaching Foreign Lang	3 hrs.
EDU 438 Teaching Business in Secondary Schools	2 hrs.
EDU 441 Reading Assessment & Advancement	3 hrs.
MAT 231 Math for Elementary & MS Teachers	3 hrs.
MAT 351 Methods of Teaching Elem. & MS Math	3 hrs.
	15 hrs.

Concentration Area

Students are also required to complete at least 18 hours in one education concentration area, Math, Science, English, Social Science, Business, Physical Education, or Spanish. **18 hrs.**

Total for the Education Curriculum Studies Major 55 hrs.

Majors must have a 2.0 GPA or better in all courses presented to satisfy the major requirements. No course with a grade below a 'D' will be accepted.

ENGINEERING DUAL-DEGREE PROGRAM

Contact: Dr. Erin Martin

Phone: 573-592-5306

Email: Erin.Martin@westminster-mo.edu

The Dual Degree Engineering Program is a study designed for students who wish to become professional engineers or applied scientists. Participants may follow either a "3-2 or a "4-2" schedule, transferring to the engineering institution of their choice after their junior year or senior year. At Westminster, students spend their three or four years building a strong foundation in the humanities and social sciences while completing a Pre-Engineering minor and a major of their choosing (typically Math or Physics). Students meeting the admission expectations of the engineering institution should be able to complete the engineering degree with only two additional years of study. At the end of this time, the student will receive a Bachelor of Science degree in Engineering or Applied Science from the engineering institution and a Bachelor of Arts degree from Westminster College (assuming completion of the normal requirements for a B.A. degree).

Westminster has formal partnerships with Washington University in St. Louis and Missouri S&T. Bachelor's degrees offered by the School of Engineering and Applied Science at Washington University include biomedical, chemical, computer, electrical and mechanical engineering

as well as computer science, and systems science and engineering. Programs of study leading to an optional minor include computer science, environmental engineering, manufacturing, and robotics. Bachelor's degrees offered by Missouri S&T include aerospace engineering, architectural, ceramic, chemical, civil, computer, electrical, environmental, geological, mechanical, metallurgical, mining, nuclear, and petroleum engineering as well as engineering management. Programs of study leading to an optional minor include bioinformatics, energy technology, explosive engineering, and mineral process engineering.

In order to qualify for the program students must fulfill the following requirements at Westminster:

- A minimum of 70-90 semester hours of transferable college credit (courses with grades of C or better).
- Engineering – Introduction to Engineering and Design
- Mathematics – Calculus I, II, III and Differential Equations
- Chemistry – Two-course sequence, including laboratory
- Computer Science – One course or certified proficiency in a high-level language
- Physics – Physics I and II
- All Tier requirements
- Additional coursework which depends on the student's chosen engineering field

A GPA of 3.25 or better, both overall and in science and mathematics courses, is required for admission to the Dual Degree Program at Washington University, and a GPA of 2.5 is required for admission to Missouri S&T. Applicants with lower GPAs are considered on a case-by-case basis. Students who have completed a Bachelor of Arts degree at Westminster also may participate in the program. The liaison for the Dual Degree Engineering Program is Dr. Erin Martin of the Department of Mathematics.

ENGLISH MAJOR AND MINOR

Professor: T. Adams, C. Perry
 Associate Professors: H. LaVine, M. Tuthill
 Assistant Professors: B. Krieg, N. Leonard
 Instructor: H. Gehlert, T. Kroeker, C. O'Brien

Contact: Dr. Maureen Tuthill
 Phone: (573) 592-5066
 Email: Maureen.Tuthill@westminster-mo.edu

The Department of English Language and Literature offers a major program of study leading to a Bachelor of Arts in English, as well as a minor program of study in English. Lower-level courses in the department support the college's General Education Program. By studying British, American, and world literatures, students who major or minor in English learn to read closely, to think critically, and to write clearly. English majors may pursue one of three areas of emphasis, literary criticism, creative writing or English education, or choose a degree without an area of emphasis. Students who meet the requirements are invited to complete an Honors Sequence in their area of emphasis. A major in English provides a solid foundation for the business world, law school, journalism, education, or graduate study in any field.

To be eligible for the Honors Sequence, a student must:

1. Have an overall grade point average of no less than 3.25
2. Have an English grade point average of no less than 3.5
3. Have received a "B-" or better in ENG 290: Critical Practicum.

All English majors must earn a grade of C- or better in all courses used to satisfy the major requirements.

Requirements for the Major in English

Literature Track

200-level Literature Courses (6 hrs.):

TWO of the following:

ENG 205 British Literature to 1800	3 hrs.
ENG 206 British Literature since 1800	3 hrs.
ENG 238 American Literature to the Civil War	3 hrs.
ENG 239 American Literature since the Civil War	3 hrs.
ENG 248 World Literature to 1800	3 hrs.
ENG 249 World Literature since 1800	3 hrs.

200-level Writing/Theory Courses (6 hrs.):

ENG 275 Introduction to Creative Writing	3 hrs.
ENG 290 Critical Practicum	3 hrs.

300-and 400-level Literature Courses (15 hrs.):

ENG 350 Studies in the Author: Shakespeare	3 hrs.
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FOUR of the following:

ENG 315 Literary Modes and Genres	3 hrs.
ENG 325 Literary Movements	3 hrs.
ENG 330 Literary Visions and Revisions	3 hrs.
ENG 335 A Sense of Place	3 hrs.
ENG 340 Gender and Literary Expression	3 hrs.
ENG 345 Ethnic Literature	3 hrs.
ENG 350 Studies in the Author	3 hrs.
ENG 355 Literature and the Other Arts	3 hrs.

Electives (9 hrs.):

May Include:

ENG 420 Honors Project I	3 hrs.
ENG 430 Honors Project II	3 hrs.

Total Hours

36 hrs.

(Majors must select at least one course each from: Literature before 1850, Literature after 1850, American Literature, British/World Literature.)

Creative Writing Track

200-level Literature Courses (6 hrs.):

TWO of the Following:

ENG 205 British Literature to 1800	3 hrs.
ENG 206 British Literature since 1800	3 hrs.
ENG 238 American Literature to the Civil War	3 hrs.
ENG 239 American Literature since the Civil War	3 hrs.
ENG 248 World Literature to 1800	3 hrs.
ENG 249 World Literature since 1800	3 hrs.

200-level Writing/Theory Courses (6 hrs.):

ENG 275 Introduction to Creative Writing	3 hrs.
ENG 290 Critical Practicum	3 hrs.

300-and 400-level Writing/Literature Courses (18 hrs.):

ENG 372 Creative Writing Fiction	3 hrs.
ENG 374 Creative Writing Poetry	3 hrs.
ENG 376 Creative Writing Nonfiction	3 hrs.

THREE of the following:

ENG 315 Literary Modes and Genres	3 hrs.
ENG 325 Literary Movements	3 hrs.

ENG 330 Literary Visions and Revisions	3 hrs.
ENG 335 A Sense of Place	3 hrs.
ENG 340 Gender and Literary Expression	3 hrs.
ENG 345 Ethnic Literature	3 hrs.
ENG 350 Studies in the Author	3 hrs.
ENG 355 Literature and the Other Arts	3 hrs.

Electives (6 hrs.):

May Include:

ENG 420 Honors Project I	3 hrs.
ENG 430 Honors Project II	3 hrs.

Total Hours 36 hrs.

(Majors must select at least one course each from: Literature before 1850, Literature after 1850, American Literature, British/World Literature.)

English Education Track

200-level Literature Courses (6 hrs.):

TWO of the Following:

ENG 205 British Literature to 1800	3 hrs.
ENG 206 British Literature since 1800	3 hrs.
ENG 238 American Literature to the Civil War	3 hrs.
ENG 239 American Literature since the Civil War	3 hrs.
ENG 248 World Literature to 1800	3 hrs.
ENG 249 World Literature since 1800	3 hrs.

200-level Writing/Theory Courses (15 hrs.):

ENG 270 Expository Writing	3 hrs.
ENG 275 Introduction to Creative Writing	3 hrs.
ENG 290 Critical Practicum	3 hrs.

TWO of the following:

ENG 205 British Literature to 1800	3 hrs.
ENG 220 Janus & the World of Publishing	3 hrs.
ENG 260 Introduction to Journalism	3 hrs.

300-and 400-level Literature Courses (9 hrs.):

ENG 350 Studies in the Author: Shakespeare	3 hrs.
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TWO of the following:

ENG 315 Literary Modes and Genres	3 hrs.
ENG 325 Literary Movements	3 hrs.
ENG 330 Literary Visions and Revisions	3 hrs.
ENG 335 A Sense of Place	3 hrs.
ENG 340 Gender and Literary Expression	3 hrs.
ENG 345 Ethnic Literature	3 hrs.
ENG 350 Studies in the Author	3 hrs.
ENG 355 Literature and the Other Arts	3 hrs.

Electives (6 hrs.)

Total Hours 36 hrs.

(Majors must select at least one course each from: Literature before 1850, Literature after 1850, American Literature, British/World Literature. ENG 205 may count for either the 200-level literature requirement or the 200-level writing requirement, but may not count for both requirements.)

American Literature requirement: 6 hrs. from ENG 238, ENG 239, or 300 level American Lit. At least one course must have an Ethnic Component.

British/World Literature requirement: 6 hrs. from ENG 205, 206, 248, 249, 300-level British/World Literature, Shakespeare.

English Major (Without an Area of Emphasis)

200-level Literature Courses (6 hrs.):

TWO of the following:

ENG 205 British Literature to 1800	3 hrs.
ENG 206 British Literature since 1800	3 hrs.

ENG 238 American Literature to the Civil War	3 hrs.
ENG 239 American Literature since the Civil War	3 hrs.
ENG 248 World Literature to 1800	3 hrs.
ENG 249 World Literature since 1800	3 hrs.

200-level Writing/Theory Courses (6 hrs.):

ENG 275 Introduction to Creative Writing	3 hrs.
ENG 290 Critical Practicum	3 hrs.

300-and 400-level Literature Courses (6 hrs.):

TWO of the following:

ENG 315 Literary Modes and Genres	3 hrs.
ENG 325 Literary Movements	3 hrs.
ENG 330 Literary Visions and Revisions	3 hrs.
ENG 335 A Sense of Place	3 hrs.
ENG 340 Gender and Literary Expression	3 hrs.
ENG 345 Ethnic Literature	3 hrs.
ENG 350 Studies in the Author	3 hrs.
ENG 355 Literature and the Other Arts	3 hrs.

Electives (18 hrs.)

Total Hours 18 hrs.

36 hrs.
(Majors must select at least one course from Literature before 1850, Literature after 1850, American Literature, British/World Literature.)

Requirements for the Minor in English

Required Courses

200-level Literature Courses (6 hrs.):

TWO of the following:

ENG 205 British Literature before 1800	3 hrs.
ENG 206 British Literature since 1800	3 hrs.
ENG 238 American Literature to the Civil War	3 hrs.
ENG 239 American Literature since the Civil War	3 hrs.
ENG 248 World Literature to 1800	3 hrs.
ENG 249 World Literature Since 1800	3 hrs.

200-level Writing Course

ONE of the following:

ENG 260 Introduction to Journalism	3 hrs.
ENG 270 Expository Writing	3 hrs.
ENG 275 Introduction to Creative Writing	3 hrs.

Electives (9 hrs.)

Three courses, at least one at the 300 level. 9 hrs.

Total hours 18 hrs.

ENTREPRENEURIAL STUDIES MINOR

Contact: Dr. Rabindra Bhandari

Phone: (573) 592-5204

Email: Rabindra.Bhandari@westminster-mo.edu

The Entrepreneurial Studies minor will introduce students to business fundamentals within the context of a small firm, preparing them for immediate contribution to the firm's efforts and providing a framework for continued learning.

Requirements for the Minor in Entrepreneurial Studies:

ACC 215 Principles of Financial Accounting	3 hrs.
BUS 220 Fundamentals of Management	3 hrs.
FIN 318 Corporate Finance	3 hrs.
BUS 250 Principles of Marketing	3 hrs.
BUS 325 Entrepreneurship	3 hrs.
Elective Courses (choose two):	6 hrs.

SPE 310 Business and Professional Communication
 BUS 399 Internship
 Any ACC, BUS, ECN, or FIN course at the 300 level
 or above

Total hours in Minor 21 hrs.

The department recommends that Entrepreneurial Studies minors take as many of the following courses as feasible.

ACC 216 Principles of Managerial Accounting	3 hrs.
BUS 223 Business Law	3 hrs.
SPE 203 Interpersonal Communication	3 hrs.

**ENVIRONMENTAL SCIENCE MAJOR AND MINOR
 ENVIRONMENTAL STUDIES MAJOR**

Environmental Science

Associate Professors: D. Schmidt, I. Unger

Contact: Dr. Irene Unger
 Phone: (573) 592-5273
 Email: Irene.Unger@westminster-mo.edu

Environmental Studies

Associate Professors: D. Schmidt, I. Unger

Contact: Dr. Irene Unger
 Phone: (573) 592-5273
 Email: Irene.Unger@westminster-mo.edu

The majors in Environmental Science and the Environmental Studies provide students with (a) an understanding of relationships between and within the natural world and constructed environments; (b) the ability to analyze and integrate knowledge from a wide range of disciplines; (c) the ability to communicate across disciplines and collaborate with colleagues to solve problems and address real-world issues; and (d) the basis for careers in environmental fields as well as graduate studies.

The two majors have similar degree requirements but with different emphases. Common to both majors are the internship and the capstone course requirements. Internships, which may be completed on or off-campus, allow students to work alongside resource professionals in fields related to the student's career interest. Environmental Assessment (ENV 405) satisfies the capstone requirement. In this class, each student researches, evaluates and presents an environmental issue of his or her choice. This facilitates the integration of knowledge gained in the classroom and during the internship and helps students develop important skills in critical thinking and communication that are essential in environmental careers.

The **Environmental Science** major serves students who are interested in working in the environmental field as a researcher or practitioner, helping to conserve, protect and manage natural resources. Those earning an environmental science degree often work outdoors but may also work in analytical laboratories; they may seek employment as soil scientists, ecologists, wildlife biologists, hydrologists or geologists.

Requirements for the Major in Environmental Science:

Required Courses:

ENV 105 Introduction to Environmental Science	3 hrs.
ENV 399 Internship	3 hrs.
ENV 405 Environmental Assessment	3 hrs.
Total	9 hrs.

Social Sciences/Humanities:

Choose 3 of the following

ENV/ECN 377 Environmental and Resource Economics	3 hrs.
ENV 300/ENG 315 Environmental Literature	3 hrs.
PHL 246 Environmental Ethics	3 hrs.
POL 326 Environmental Politics and Policy	3 hrs.
REL 324 Religion & the Environment	3 hrs.
Total	9 hrs.

Physical Science/Geology:

Complete 3 courses from this list; at least 2 courses must be 300-level

GEO 108 Introduction to Physical Geology	4 hrs.
GEO 116 Environmental Geology	4 hrs.
GEO 300 Surficial Geology	4 hrs.
GEO 305 Hydrogeology	3 hrs.
GEO 327 Weather and Climate	3 hrs.
GEO 330 Applications of Geographic Info. Sys.	4 hrs.
Total	10-12 hrs.

Ecology & Resource Management:

Complete 3 courses from this list; 1 course must be BIO 205

*BIO 205 Ecology and Field Biology	4 hrs.
BIO/ENV 210 Biogeography	3 hrs.
BIO 300 Ecotoxicology & Lab	4 hrs.
BIO/ENV 340 Wetlands	3 hrs.
BIO/ENV 345 Forest Resources & Management	4 hrs.
BIO/ENV 350 Conservation Biology	3 hrs.
GEO 300 Earth Materials	4 hrs.
BIO/GEO/ENV 320/321 Travel Course	4 hrs.
Total	10-12 hrs.

Other Required Courses:

BIO 124/125 Biodiversity	4 hrs.
BIO 114/115 Biological Processes	4 hrs.
CHM 114/115 General Chemistry I	4 hrs.
CHM 124/125 General Chemistry II	4 hrs.
MAT 114 Statistics	3 hrs.
MAT 121 Pre-Calculus OR	3-5 hrs.
MAT 122 Business Calculus OR	
MAT 124 Calculus I	
Total	22-24 hrs.

Total for the Environmental Science Major 60-66 hrs.

Note: Since the Environmental Science program is viewed as a broad curriculum, it is strongly suggested that students take a Minor in a related field, such as Biology, Chemistry, Economics, or Political Science. Students cannot major (or minor) in both Environmental Science and Environmental Studies. **Students should pay particular attention to course prerequisites and to required course sequences.** Other courses may be substituted for degree requirements with approval of Environmental Science faculty. **Students must have a 2.00 grade point average in all courses used to satisfy the major requirements. No more than two (2) grades of D/D+ can be counted towards satisfying the major.** At least 33% of all hours used to satisfy the major (20-22) must be Westminster courses.

Requirements for a Minor in Environmental Science

Required Course: (3 hrs.)

ENV 105 Introduction to Environmental Science 3 hrs.

Social Science/Humanities: (6 hrs.)

Choose 2 of the following

ENV 377 Environmental & Resource Economics 3 hrs.

PHL 246 Environmental Ethics 3 hrs.

POL 326 Environmental Politics & Policy 3 hrs.

REL 324 Religion & the Environment 3 hrs.

Physical Science/Geology: (6-8 hrs.)

Choose 2 of the following

GEO 108 Introduction to Physical Geology 4 hrs.

GEO 116 Environmental Geology 4 hrs.

GEO 300 Surficial Geology 4 hrs.

GEO 305 Hydrogeology 3 hrs.

GEO 327 Weather and Climate 3 hrs.

GEO 330 Applications of Geographic Info. Sys. 4 hrs.

Ecology & Resource Management: (6-8 hrs.)

Choose 2 of the following

BIO 205 Ecology and Field Biology 4 hrs.

BIO/ENV 210 Biogeography 3 hrs.

BIO 300 Ecotoxicology & Lab 4 hrs.

BIO/ENV 340 Wetlands 3 hrs.

BIO/ENV 345 Forest Resources & Management 4 hrs.

BIO/ENV 350 Conservation Biology 3 hrs.

GEO 300 Earth Materials 4 hrs.

BIO/GEO/ENV 320/321 Travel Course 4 hrs.

Total 21-23 hrs.

Note: Students should pay particular attention to course prerequisites and to required course sequences. Other courses may be substituted for degree requirements with approval of Environmental Science faculty.

Students must have a 2.00 grade point average in all courses used to satisfy the minor requirements. No more than one (1) grade of D/D+ can be counted towards satisfying the minor. At least 33% of all hours used to satisfy the minor (7-9) must be Westminster courses.

The **Environmental Studies** major emphasizes political, economic and social/cultural aspects of the human impact on the natural environment, while still grounding students in fundamentals of the natural and earth sciences. Students seeking this major are those interested in working on the policy or administrative side of conservation and natural resource management. Career opportunities include positions in: ecosystem management, sustainable business administration, regional, national and international nongovernmental organizations as well as government agencies and departments. Students may also pursue related careers in law, policymaking, education, public health or business.

Given the emphasis the Environmental Studies major places on developing skills necessary for working within the social sciences, the curriculum have been designed to give students broad exposure to courses in these departments. Students should choose carefully, shaping the major to fit their intended area of study as they combine

courses in the social sciences and humanities with those in the natural sciences. Both capstone courses – ENV 399 Internship and ENV 405 Environmental Assessment – require students to synthesize the knowledge and skills learned in previous courses, and give students in-depth practice in the field of Environmental Studies.

Requirements for the Major in Environmental Studies:

Social Sciences/Humanities Fundamentals:

Complete the following courses:

ECN 212 Principles of Microeconomics 3 hrs.

LST 205 Mediation and Conflict Resolution 3 hrs.

OR LST 210 Leadership for Non-Profit Orgs. 3 hrs.

POL 211 American Government and Politics 3 hrs.

OR POL 212 Introduction to International Politics 3 hrs.

Choose two of the following:

ECN 334 Economic Development 3 hrs.

LST 325 Cross-Cultural Leadership 3 hrs.

POL 305 International Law and Organization 3 hrs.

POL 301 The American Presidency 3 hrs.

OR POL 343 Congress 3 hrs.

POL/SEC 300 Human Rights and Security 3 hrs.

TNS 300 Global City 3 hrs.

Total 15 hrs.

Natural Science Fundamentals

Complete the following Courses:

ENV 105 Environmental Science 3 hrs.

BIO 108 Introduction to Biological Principles 4 hrs.

GEO 116 Environmental Geology 4 hrs.

GEO 327 Weather and Climate 3 hrs.

Choose one of the following:

GEO 330 Applications of Geographic Info Systems 4 hrs.

ENV 340 Wetlands 3 hrs.

ENV 345 Forest Resources and Management 3 hrs.

ENV 350 Conservation Biology 3 hrs.

BIO/GEO/ENV Travel Course 4 hrs.

Total 17-18 hrs.

Social Sciences/Humanities Core

Complete three of the following:

ENV 377 Environmental and Resource Economics 3 hrs.

ENV 300 Environmental Literature 3 hrs.

PHL 246 Environmental Ethics 3 hrs.

REL 324 Religion and the Environment 3 hrs.

POL 326 Environmental Politics and Policy 3 hrs.

Total 9 hrs.

Capstone Experiences

Complete the following courses:

ENV 399 Internship 3 hrs.

ENV 405 Environmental Assessment 3 hrs.

Total 6 hrs.

Total for the Environmental Studies Major 47-48 hrs.

Note: Since the Environmental Studies program is viewed as a broad curriculum, it is strongly suggested that students take a Minor in a related field, such as Biology, Chemistry, Economics, or Political

Science. Students cannot major (or minor) in both Environmental Science and Environmental Studies. **Students should pay particular attention to course prerequisites and to required course sequences.** Other courses may be substituted for degree requirements with approval of Environmental Science faculty. **Students must have a 2.00 grade point average in all courses used to satisfy the major requirements. No more than two (2) grades of D can be counted towards satisfying the major.**

EXERCISE SCIENCE MAJOR

Professor: T. Miller
Visiting Instructor: A. Stevens

Contact: Therese Miller
Phone: (573) 592-5300
Email: Therese.Miller@westminster-mo.edu

Exercise Science majors will explore the science of exercise and its role in health, fitness, and optimal sports performance. Students will prepare for careers in strength and conditioning, personal training, graduate programs, and health careers such as physical therapy, physician's assistant, nursing, and medicine. The major will include a capstone research or internship experience tailored to the student's career goals. Students are encouraged to obtain professional certifications, such as ACSM Personal Trainer or Health/Fitness Instructor certification, as appropriate.

Requirements for the Major in Exercise Science

BIO 114/115 Biological Processes	4 hrs.
BIO 124/125 Biodiversity OR BIO 100 General Biology I	4 hrs. 4 hrs.
BIO 203 Human Anatomy	4 hrs.
BIO 370 Physiology (BIO 203 or 322 prereq)	4 hrs.
CHM 114/115 Chemistry I	4 hrs.
CHM 124/125 Chemistry II	4 hrs.
HES/PSY 231 Sport Psychology	3 hrs.
HES 251 Introduction to Nutrition	3 hrs.
HES 321 Kinesiology	3 hrs.
HES 340 Exercise Physiology	3 hrs.
HES 300 Exercise Prescription	3 hrs.
Capstone Research or Field Experience in Exercise Science	3 hrs.
Total hours:	42 hrs.

Optional Courses:

HES 215 Motor Learning	2 hrs.
HES 406 Management in PE & Athletics	2 hrs.
PED 300 Sport Conditioning	3 hrs.
PED 350 Theories of Adapted Physical Education	3 hrs.

*Students who need extra preparation for BIO 203, Human Anatomy, are advised to take BIO 107, Human Biology.

A grade of C- or better is required in all courses used to satisfy the major requirements.

EUROPEAN HISTORY MINOR

Contact: Cinnamon Brown
Phone: 573-592-5271

Email: Cinnamon.Brown@westminster-mo.edu

Offered through the Department of History, this minor program of study introduces students to the scope and nature of historical evaluation, focusing on the example of European history.

Requirements for the Minor in European History:

HIS 390 Historiography	3 hrs.
Do TWO of the following:	
HIS 102 Survey of British History 1800 – Present	
HIS 105 Western Civilization I	
HIS 106 Western Civilization II	6 hrs.
Three upper level European History courses	9 hrs.
Total hours	18 hrs.

EUROPEAN STUDIES MINOR

Contact: Dr. Cinnamon Brown
Phone: (573) 592-5271
Email: Cinnamon.Brown@westminster-mo.edu

The European Studies minor is an interdisciplinary area studies program that encourages students to integrate materials from a number of different disciplines. The minor emphasizes contemporary European issues, European legacies, and European cultures.

Requirements for the Minor in European Studies:

HIS 106 Western Civilization II	3 hrs.
POL 306 West European Government and Politics	3 hrs.
Required Option:	
Students must also fulfill one of the following options:	
• Complete one second year language course (French, Spanish, German, or some modern European language) or	
• Spend one semester in Europe in a College-approved course of study.	
Electives (at least 6 hours must be upper level):	
FRE 305 Commercial French	3 hrs.
FRE 363 French Civilization	3 hrs.
HUM 277 Spanish Civilization	3 hrs.
HUM 294 Intro to the French-Speaking World	3 hrs.
SPA 310 Special Topics in Literature	3 hrs.
SPA 351 Introduction to Spanish Literature	3 hrs.
SPA 377 Spanish Civilization	3 hrs.
HIS 304 Selected Themes in British History, 1714-present	3 hrs.
HIS 322 Europe in the 20th Century, 1900-45	3 hrs.
HIS 323 Europe Since 1945	3 hrs.
HIS 327 Nazi Germany	3 hrs.
HIS 330 World War I	3 hrs.
POL 308 Post-Soviet Politics	3 hrs.
POL 306 Western European Government and Politics	3 hrs.
POL/HIS 300 Central Europe	3 hrs.
POL 212 Introduction to International Politics	3 hrs.
SOC 111 Introduction to Sociology	3 hrs.
ENG 206 English Literature Since 1800	3 hrs.
ECN 310 International Trade and Finance	3 hrs.
BUS 340 International Business	3 hrs.
Total hours	18 hrs.

FINANCE MAJOR

Assistant Professor: S. O'Brien

Contact: Dr. Rabindra Bhandari

Phone: 573-592-5204

Email: Rabindra.Bhandari@westminster-mo.edu

The primary objective of the undergraduate finance program is to prepare students for finance positions at the entry level in the industry, government, and other organizations in the public and private sectors. Students should be aware that the undergraduate degree in finance at Westminster College will prepare them for the Level I CFA (Chartered Financial Analyst) examination at the end of their senior year. In addition, the program introduces students to a wide range of topics covered under Levels II and III CFA examination.

Requirements for the Major in Finance

Required Core Business Courses:

ACC 215 Principles of Financial Accounting	3 hrs.
ACC 216 Principles of Managerial Accounting	3 hrs.
BUS 220 Fundamentals of Management	3 hrs.
BUS 250 Principles of Marketing	3 hrs.
BUS 327 Production Management OR BUS 360 Decision Science OR ECN 351 Managerial Economics	3 hrs.
ECN 211 Principles of Macroeconomics	3 hrs.
ECN 212 Principles of Microeconomics	3 hrs.
FIN 318 Corporate Financial Management	3 hrs.
MAT 114 Elementary Statistics	3 hrs.
MAT 122 Business Calculus OR MAT 124 Calculus I	3-5 hrs.
MIS 210 Spreadsheet Applications in Business	3 hrs.
SPE 101 Introduction to Speech Communication	3 hrs.
Total	36-38 hrs.

Finance Major Courses:

ACC 312 Intermediate Accounting I	3 hrs.
BUS 328 Managerial Finance	3 hrs.
ECN 235 Research Methods in Economics & Business	3 hrs.
ECN/FIN 325 Money, Banking and Financial Markets	3 hrs.
FIN 350 Investments	3 hrs.
Total	15 hrs.

Electives: Students must complete 3 courses from the following list:

BUS 300 Bank Management	
BUS 399 Directed Independent Research	
BUS 400 Level I CFA exam prep course	
ECN/FIN 310 International Trade & Finance	
ECN 367 Econometrics	
FIN 300 Security Analysis and Portfolio Mgmt.	
FIN 354 Options and Futures	
Total	9 hrs.

Total Hours **60-62 hrs.**

FINE ARTS PROGRAM

Associate Professor: N. Sexton

Visiting Instructor: T. Werts

Contact: Dr. Natasia Sexton

Phone: (573) 592-5214

Email: Natasia.Sexton@westminster-mo.edu

The fine arts program offers a variety of courses in music, graphic arts, film, and photography. All students interested in participating in any music ensemble should complete a music questionnaire and return to the Director of Music.

Lecture courses include music appreciation, music theory I and II, music history and literature I and II and several other options for fine arts classes. Applied music courses are also available for students to enroll for private lessons in piano, voice, guitar, or a symphonic instrument on beginner/intermediate/advanced level.

Westminster offers a music minor program and a variety of self-designed majors involving music. Students interested in a music minor or other music programs should contact the Director of Music. Students may enroll for one or two credit hours in any choral or instrumental performance media during the fall and spring semesters. Courses in choral or instrumental groups, and applied private instruction may be repeated for credit.

FRENCH MAJOR AND MINOR

Associate Professor: I. Ilinca

Visiting Instructor: M. Dye

Contact: Dr. Enrique Salas-Durazo

Phone: (573) 592-5257

Email: Enrique.Salas-Durazo@westminster-mo.edu

The Department of Foreign Languages and Literature offers major and minor programs of study in French as well as supporting course work for Westminster College's general education program. French courses also fulfill the Foreign Language requirement (10-16 credits) in the majors with an international component, such as International Business and International Studies. At elementary and intermediate levels, the French program seeks to develop speaking, reading, writing and listening proficiency and an appreciation of the cultural diversity of the Francophone world. Upper-level courses provide students with broad knowledge in French history, civilization, and contemporary society, with ample opportunities for interdisciplinary study and with critical strengths in literary text interpretation.

A student wishing to major in French should consult Dr. Ingrid Ilinca. With careful planning, it is possible to major in French without having studied it in high school.

Requirements for the Major in French:

Required Courses:

FRE 306 Advanced Grammar & Composition	3 hrs.
FRE 358 The Individual in Society I (from Middle Ages to the French Revolution)	3 hrs.
FRE 359 The Individual in Society II (19 th – 21 st centuries)	3 hrs.
FRE 362 Francophone Civilizations	3 hrs.

FRE 363 French Civilization	3 hrs.
Total	15 hrs.

Electives for the Major in French:
Choose 4 courses from the list below:

FRE 203 Intermediate French I	3 hrs.
FRE 204 Intermediate French II	3 hrs.
FRE 300 Translation I	3 hrs.
FRE 303 Advanced French Conversation	3 hrs.
FRE 305 Commercial French I	3 hrs.
FRE 360 Literary Moments and Movements	3 hrs.
FRE 361 Literature and Culture	3 hrs.
Total	12 hrs.

Total hours for the French Major 27 hrs.

Requirements for the Major in French with a Concentration in Translation:

Required Courses:

FRE 303 Advanced French Conversation	3 hrs.
FRE 306 Grammar and Composition	3 hrs.
FRE 300 Translation I	3 hrs.
FRE 300 Translation II	3 hrs.
FRE 399 Translation III (Capstone Project)	3 hrs.
FRE 358 The Individual in Society I (from Middle Ages to the French Revolution)	3 hrs.
OR FRE 359 The Individual in Society II (19 th – 21 st centuries)	3 hrs.
FRE 362 Francophone Civilizations	3 hrs.
OR FRE 363 French Civilization	3 hrs.
Total	21 hrs.

Electives for the Major in French with a concentration in translation:
Choose 3 courses from the list below:

A second course in Literature or Civilization	3 hrs.
FRE 203 Intermediate French I	3 hrs.
FRE 204 Intermediate French II	3 hrs.
FRE 305 Commercial French I	3 hrs.
FRE 3xx Commercial French II	3 hrs.
FRE 360 Literary Moments and Movements	3 hrs.
FRE 361 Literature and Culture	3 hrs.
Total	9 hrs.

Total hours for the French Major with a Concentration in Translation: 30 hrs.

Courses taken on an approved study abroad program may be substituted for elective hours with departmental approval. The 27 hours required in the major exclude FRE 101 and 102. 21 of the 27 required hours must be in 300 level courses. Majors must earn a grade of C or better in all French courses needed to satisfy major requirements. Students who are placed directly in upper-level (5th semester and higher) need to apply for AP credit in order to have FRE 203 and 204 count as electives. Native, near-native, or heritage speakers of French need to take FRE 306, regardless of the level of proficiency.

Students are encouraged to participate in an approved off-campus program in France. In order to graduate with Honors in French, the student must fulfill these minimum requirements: (1) complete six upper-level French courses with at least a 3.6 grade average; (2)

complete FRE 425 Senior Honors Thesis/Project with a grade of A; (3) have at least a 3.2 overall GPA.

Requirements for the Minor in French

Required Courses:

FRE 306 Advanced Grammar & Composition	3 hrs.
Literature Requirement	3 hrs.
FRE 358 The Individual in Society I (from Middle Ages to the French Revolution OR FRE 359 The Individual in Society II (19 th -21 st Centuries)	
Civilization Requirement	3 hrs.
FRE 362 Francophone Civilizations OR FRE 363 French Civilization	3 hrs.
Total	9 hrs.

Electives:

Choose 3 courses from the list below

FRE 203 Intermediate French I	3 hrs.
FRE 204 Intermediate French II	3 hrs.
FRE 300 The Theory and Practice of Translation	3 hrs.
FRE 303 Advanced French Conversation	3 hrs.
FRE 305 Commercial French	3 hrs.
FRE 360 Literary Moments and Movements	3 hrs.
FRE 361 Literature and Culture	3 hrs.
Total	9 hrs.

Total hours for the French Minor 18 hrs.

Courses taken on an approved study abroad program may be substituted for elective hours with departmental approval. The 18 hours required in the minor exclude FRE 101 and 102. 12 of the 18 required hours must be in 300 level courses. Minors must earn a grade of C or better in all French courses needed to satisfy minor requirements. Students who are placed directly in upper-level (5th semester and higher) need to apply for AP credit in order to have FRE 203 and 204 count as electives. Native speakers of French cannot earn credit for FRE 203 and 204 (they need to take six 300-level courses). Native, near-native, or heritage speakers of French need to take FRE 306 regardless of the level of proficiency.

NOTE: HUM 294 (Introduction to the French-Speaking World) and FRE 280 (Introduction to French Literature and Culture) do not count towards the major or minor. These courses fulfill Tier II requirements in General Education and are taught in English.

GEOLOGY MINOR

Associate Professor: D. Schmidt

Contact: Dr. David Schmidt
Phone: 573-592-6124
Email: David.Schmidt@westminster-mo.edu

The Geology minor provides students with a) an understanding of geological processes and the comprehension of the interaction between those processes and human activity; b) the ability to analyze and integrate knowledge from various disciplines within the geosciences; c) the ability to communicate acquired knowledge and collaborate with peers to solve problems and address real-world issues; and d) the basis for future endeavors in academics and careers within the geosciences.

Requirements for the Minor in Geology

Required Courses:

GEO 108 Introduction to Physical Geology	4 hrs.
GEO 118 Historical Geology	4 hrs.
Total	8 hrs.

Elective Courses: (10-12 hours)

Students must choose at least 10 hours from the following:

GEO 116 Environmental Geology	4 hrs.
GEO 300 Surficial Geology**	4 hrs.
GEO 300 Earth Materials **	4 hrs.
GEO 300 Summer Field Course**	4 hrs.
GEO 305 Hydrogeology	3 hrs.
GEO 327 Weather and Climate	3 hrs.
GEO 330 Applications of Geographic Info. Systems	4 hrs.
GEO 398 Geoscience Research	1-3 hrs.
Total	10-12 hrs.

Additional Requirements:

MAT 114 Elementary Statistics	3 hrs.
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Total hours: 21-23 hrs.

**Note that placement of experimental courses (marked with asterisks) within the major is subject to change

Note: Students should pay particular attention to course prerequisites and to required course sequences. Other courses may be substituted for degree requirements with approval of Environmental Science faculty. Students must have a 2.00 grade point average in all courses used to satisfy the minor requirements. No more than one (1) grade of D/D+ can be counted towards satisfying the minor. At least 50% of all hours needed to satisfy the minor (11-12) must be Westminster courses.

HEALTH PROFESSIONS MINOR

Professor: M. Amspoker

Associate Professor: D. Holliday, J. Mayne, G. McNett, I. Unger

Assistant Professors: J. Kenney-Hunt

Visiting Assistant Professor: S. Vanderpool

Contact: Dr. Dawn Holliday

Phone: (573) 592-6125

Email: Dawn.Holliday@westminster-mo.edu

The Department of Biology offers a program of study leading to the minor in Health Professions. The minor in Health Professions serves as the basis for students interested in careers in such fields as dentistry, allopathic and osteopathic medicine, veterinary medicine, and physical therapy as well as other health professions. However, requirements for entry into graduate professional schools generally require a year of general chemistry, a year of organic chemistry, a year of physics, and a semester each of calculus and statistics. Students must earn a letter grade of C- or better in all biology courses needed to satisfy minor requirements. At least 50% of all hours used to satisfy the minor (10) must be Westminster Courses.

Students who plan to apply for admission to graduate school or graduate professional school (dental, medical, osteopathic, veterinary medicine, or other health professions) are encouraged to consult the Coordinator of the Health Professions Program regarding specific program requirements.

Requirements for the Minor in Health Professions

BIO 114/115 Biological Processes/Lab	4 hrs.
BIO 124/125 Biodiversity/Lab	4 hrs.
OR BIO 100 General Biology I	4 hrs.

Three of the Following Courses:

BIO 203 Human Anatomy	4 hrs.
BIO 300 Ecotoxicology and accompanying Lab	4 hrs.
BIO 301 Genetics	4 hrs.
BIO 322 Vertebrate Biology	4 hrs.
BIO 314 Vertebrate Histology (Ind. Study only)	3-4 hrs.
BIO 325 Molecular Cell Biology	4 hrs.
BIO 330 Virology (BIO 301 recommended)	3 hrs.
BIO 370 Physiology (BIO 203 or 322 prereq)	4 hrs.
BIO 372 Developmental Biology (BIO 301 prereq)	4 hrs.
BIO 398 Independent Research	3-4 hrs.
BIO 403 Microbiology (BIO 114/115 & 124/125 and CHM 114/115 prereqs)	4 hrs.
BIO 404 Biochemistry (CHM 314/315 prereq, 324/325 coreq)	4 hrs.
BIO 415 Human Gross Anatomy (BIO 203 prereq)	4 hrs.
BIO 450 Evolution	3 hrs.
Total hours	19-20 hrs.

Students completing a Biology Major or Minor or a Biochemistry Major may not also receive a Health Professions Minor.

HEALTH AND WELLNESS MAJOR

Professor: T. Miller

Visiting Instructor: A. Stevens

Instructors: J. Dyson, C. Madson, C. Loethen, J. Thompson

Contact: Dr. Therese Miller

Phone: 573-592-5300

Email: Therese.Miller@westminster-mo.edu

The Health and Wellness major emphasizes knowledge and learning experiences aimed at the promotion of lifetime wellness. Students will know principles of nutrition, holistic health, and exercise training. Also student will learn how to test health and activity status, prescribe safe exercise, prevent exercise injury, and assess client progress toward their health and fitness goals.

The courses in this major will prepare graduating students for jobs that apply principles of health education and exercise training. More specifically, students may pursue careers in worksite wellness, hospital-based wellness programs, community health centers, retirement and nursing home wellness programs, commercial and not-for-profit health, fitness, and recreation centers, and other related areas.

Health and Wellness Major Requirements

Required Courses:

BIO 107 Human Biology	4 hrs.
HES 104 First Aid/CPR	1 hr.
HES 204 Wellness and Fitness	3 hrs.
HES 220 Social Science in Sport	2 hrs.
HES 230 Intro. to Prevention and Care of Injuries	2 hrs.
HES/PSY 231 Sport Psychology	3 hrs.
HES 251 Introduction to Nutrition	3 hrs.
HES 300 Exercise Prescription	3 hrs.
HES 309 History and Philosophy of PE	2 hrs.
HES 321 Kinesiology	3 hrs.

HES 340 Exercise Physiology	3 hrs.
HES 405 Test and Measurement	2 hrs.
HES 406 Management in PE	2 hrs.
4- PED Activity Courses in four different areas	4 hrs.
Total	38 hrs.

Electives:

Choose one course from the list below

HES 200 Stress Management	3 hrs.
HES/EDU 207 School Health Education	3 hrs.
HES 240 Introduction to Global Public Health	3 hrs.
HES 350 Theories of Adapted Physical Education	3 hrs.
HES/WGS 355 Women's Health Issues	3 hrs.
HES 357 Community Nutrition	3 hrs.
HES/PED 399 Health Internship	3 hrs.
PSY 301 Human Sexual Behavior	3 hrs.
PSY 330 Addictive Disorders	3 hrs.
Health Behavior Change Course	3 hrs.

Total Hours: 41 hrs.

A grade of C- or better is needed for all courses needed to satisfy the major requirements.

HISTORY MAJOR AND MINOR

Professor: S. Goodfellow (Chair, Fall 2016)

Associate Professors: C. Brown (Chair, Spring 2017), M. Boulton

Visiting Professor: J. Chandler

Contact: Dr. Sam Goodfellow

Phone: (573) 592-6266

Email: Sam.Goodfellow@westminster-mo.edu

The Department of History offers a major and three minor programs of study as well as a wide range of offerings that support the College's General Education Program. Its minors are in History, U. S. History, and European History. The Department's offerings reflect the wisdom of the adage that "He who knows only his own generation remains always a child." Thus, the spirit and purpose shaping the study of history at Westminster rests on the belief that the critical study of what men and women have thought and done in the past, whether in the Old World or the New, disciplines the mind for wise action, frees it from the narrow perspective of the present, and leads to self-knowledge.

Requirements for the Major in History

HIS 103 History of the United States to 1877	3 hrs.
HIS 104 History of the United States since 1877	3 hrs.
HIS 105 Western Civilization I or	
HIS 109 World History I	3 hrs.
HIS 106 Western Civilization II or	
HIS 110 World History II or	
HIS 102 Survey of British History from 1800	3 hrs.
HIS 390 Historiography	3 hrs.
HIS 422 Senior Thesis	2 hrs.
HIS 423 Senior Thesis	3 hrs.
HIS 424 Senior Thesis	1 hr.
Four courses at the 300-level with at least one course with each permanent member of the department.	12 hrs.
Total Hours Required	33 hrs.

Students who double major in Education and History may complete the history major as described above; OR they may fulfill all history major requirements except HIS 422, 423 and 424 provided they successfully complete a fifth 300-level course in history plus EDU 435.

Departmental majors must have at least a 2.00 GPA in all History courses needed to satisfy the major requirements.

History Minor

Offered through the Department of History, this minor program of study introduces students to the scope and nature of historical evaluation.

Requirements for the Minor in History

HIS 103 History of the United States to 1877 or	
HIS 104 History of the United States since 1877	3 hrs.
HIS 390 Historiography	3 hrs.

ONE of the following:

HIS 102 Survey of British History 1800 – Present	
HIS 105 Western Civilization I	
HIS 106 Western Civilization II	
HIS 109 World History I	
HIS 110 World History II	3 hrs.

Three upper level history courses chosen so that

- One is in U.S. history
- One is in history other than U.S. history

Total hours 18 hrs.

INFORMATION TECHNOLOGY MAJOR

Professors: E. Mirielli (Chair), L. Webster

Contact: Ed Mirielli

Phone: 573-592-5220

Email: Ed.Mirielli@westminster-mo.edu

A degree in Information Technology (ITY) will prepare students to use a wide array of technologies available to solve real-world problems that might occur in any discipline or organization. Emphasis is placed on software engineering, database design and management, computer networking, system support and administration, human computer interaction, and storage management. Students learn to balance the theory, practice and communication of information technology concepts through active learning strategies in a laboratory setting and presentation of their work to others in a variety of public forums. Important themes such as Business Continuity and Information Availability, Security, Virtualization and Cloud Computing are emphasized in many courses. Majors must earn a grade of C- or better in all CSC/ITY courses.

Requirements for the Major in Information Technology

Required Courses:

CSC 104 Programming Logic and Design	3 hrs.
CSC 178 Survey of Computer Science	3 hrs.
CSC 205 Visual Basic Programming	3 hrs.
CSC 327 Database Management Systems	3 hrs.

CSC 350 Systems Analysis and Design	3 hrs.
ITY 177 Foundations of Information Technology Science	3 hrs.
ITY 181 Introduction to Software Engineering	3 hrs.
ITY 232 Computer Networking	3 hrs.
ITY 233 Computer Networking Laboratory	1 hr.
ITY 351 Systems and Software Engineering Studio	3 hrs.
MAT 114 Elementary Statistics	3 hrs.
Total	31 hrs.

Elective Courses:

At least three elective courses must come from the following list:

ITY 250 Web Page Design, Aesthetics, and Interaction	3 hrs.
ITY 305 PC Hardware and Troubleshooting	3 hrs.
ITY 331 Information Storage and Management	3 hrs.
ITY 360 Adv. Digital Communications & Networking	3 hrs.
ITY 415 Information Technology in the Organization	3 hrs.
ITY 460 Network Administration	3 hrs.
Total	9 hrs.

Other elective courses (3 hrs.)

CSC 210 Microcomputer Applications	3 hrs.
CSC 427 Client-Server and Web-based Programming	3 hrs.
CSC 454 Computer Science Practicum	1 hr.
ITY 398 Independent Study in Information Technology	1-4 hrs.
ITY 399 Internship in Information Technology	1-4 hrs.

Additional Elective Courses, any two below (6 hrs.)

PHL 244 Business Ethics	3 hrs.
PSY 112 Psychology as a Natural Science	3 hrs.
HES 261 Introduction to Epidemiology	3 hrs.
HES 240 Introduction to Global Health	3 hrs.
ECN 110 Introduction to Economics	3 hrs.
SEC 201 Introduction to Security Studies	3 hrs.
TNS 201 Introduction to International Studies	3 hrs.
SPE 101 Introduction to Speech Communication	3 hrs.
LST 201 Leadership Theories and Practice	3 hrs.

Total Elective hours 18 hrs.

Total Hours: 49 hrs.

INTERNATIONAL BUSINESS MAJOR AND MINOR

John E. Simon Department of Accounting, Business Administration, Economics and Management Information Systems

Professor: B. Akande, W. Carner

Associate Professors: E. Bartley, R. Bhandari, F. S. Phelps, S. Manzoor

Visiting Assistant Professor: R. Aulgur

Contact: Dr. Rabindra Bhandari

Phone: (573) 592-5204

Email: Rabindra.Bhandari@westminster-mo.edu

The International Business (IB) student will gain a basic understanding of the major functional areas of business and an appreciation for some of the cultural influences in society that impact business. The student will gain the basic knowledge required to be able to work competently in an international environment.

Requirements for the Major in International Business:

Business:

BUS 220 Fundamentals of Management	3 hrs.
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BUS 250 Principles of Marketing	3 hrs.
BUS 340 International Business or ECN/FIN 310 International Trade and Finance	3 hrs.
BUS 450 Business Policy	3 hrs.
FIN 318 Corporate Finance	3 hrs.
Total Business hours	15 hrs.

Accounting:

ACC 215 Principles of Financial Accounting	3 hrs.
ACC 216 Principles of Managerial Accounting	3 hrs.
Total Accounting hours	6 hrs.

Economics:

ECN 211 Principles of Macroeconomics	3 hrs.
ECN 212 Principles of Microeconomics	3 hrs.
Total Economics hours	6 hrs.

Foreign Language:

Requirements for students for whom English is their first language:

Second Semester of Elementary Language (102)	4 hrs.
Two Semesters of Intermediate Language (203, 204)	6 hrs.
Two courses beyond intermediate level, or An approved off campus program in a country where the studied language is spoken	0-6 hrs.

Requirements for students for whom English is a second language:

One writing course from the following list: ENG 260, 270, or 275	3 hrs.
One literature course from the following list: ENG 204, 205, 206, 238, or 239	3 hrs.

Total Foreign Language hours

When English is the first language 10-16 hrs.
When English is a second language 6 hrs.

Elective Courses:

Two courses from the following list: HIS 106 Western Civilization II PHL/REL 102 World Religions PHL 212 Introduction to Ethics PHL 244 Business Ethics POL 212 Introduction to International Politics ANT 115 Introduction to Cultural Anthropology One upper level course in HIS, POL, REL, or SOC or A Tier III course with international focus (must be approved by department advisor and <u>It cannot also be counted as the Tier III course in the General Education Requirements</u>)	6 hrs.
One course from the ABEF department, or internship	3 hrs.
Total Elective Courses	12 hrs.

Other Required Courses:

MAT 114 Elementary Statistics and MAT 122 Business Calculus or MAT 124 Calculus I	3 hrs. 3-5 hrs.
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Total hours

51-63 hrs.

IB majors will be encouraged to participate in a summer or semester long international study experience. Majors must maintain a 2.00 grade point average in all courses in the major.

Requirements for the Minor in International Business:

ACC 215 Principles of Financial Accounting	3 hrs.
BUS 220 Fundamentals of Management	3 hrs.
BUS 250 Principles of Marketing	3 hrs.
BUS 340 International Business	3 hrs.

One upper level course in Economics, History, Politics, Religion, Sociology, or a Foreign Language. The course must have an international focus. If a Tier III course is used to satisfy this requirement it may NOT be used to satisfy general education requirements. 3 hrs.

Students for whom English is their first language:
Second semester of intermediate level foreign language (204) 3 hrs.

Or

Students for whom English is a second language:
Choose ONE writing course from the following list:
ENG 260 Introduction to Journalism
ENG 270 Expository Writing
ENG 275 Introduction to Creative Writing 3 hrs.

Total hours 21 hrs.

All Business minors must maintain a 2.00 grade point average in the classes needed to satisfy the minor requirements.

INTERNATIONAL ECONOMIC DEVELOPMENT MINOR

Contact: Dr. Rabindra Bhandari
Phone: (573) 592-5204
Email: Rabindra.Bhandari@westminster-mo.edu

The International Economic Development Minor aims to complement non-economics majors by providing a fundamental understanding of global economic issues that include economic development, international trade and international finance. The Minor will develop skills in applying economic analysis to international issues and social problems.

Requirements for the Minor in International Economic Development

Required Courses:

ECN 211 Principles of Macroeconomics	3 hrs.
ECN 212 Principles of Microeconomics	3 hrs.
ECN/FIN 310 International Trade and Finance OR BUS 340 International Business	3 hrs.
ECN 334 Economic Development	3 hrs.

Elective Courses: Three courses from the following 9 hrs.

ECN/ENV 377 Environmental & Resource Economics	
ECN 316 Public Finance	
ECN/FIN 325 Money, Banking, and Financial Markets	
ECN 331 Intermediate Macroeconomics	
HIS 279 African Civilization	
INT/TNS 201 Introduction to International Studies	
INT 212 & INT 214 Model UN Team and Model Model UN Practicum	
PHL 246 Environmental Ethics	
POL 212 Introduction to International Politics	

POL 326 Environmental Politics & Policy	
PSY 405 International & Cross-Cultural Psychology	
REL 102 World Religions	
ANT 115 Introduction to Cultural Anthropology	
Total hours:	21 hrs.

INTERNATIONAL STUDIES MAJOR

Professor: K. Jefferson (Chair)
Assistant Professor: J. Straughn

Contact: Dr. Kurt W. Jefferson
Phone: (573) 592-5266
Email: kurt.jefferson@westminster-mo.edu

The Churchill Institute for Global Engagement at Westminster College offers a major in International Studies with concentrations in "European Studies", "Latin American Studies", and "Asian and Middle Eastern Studies". Students majoring in International Studies will develop knowledge of the contemporary world through a broadly integrated program through in-depth study of one region of the world. Students in all concentrations will acquire skills in a language relevant to their program. It is strongly recommended that students majoring in International Studies spend at least one semester in an approved off-campus study abroad program. Because of its interdisciplinary nature, the International Studies major requires careful planning. Students considering a major in International Studies should consult with the program coordinator early in their college careers.

Requirements for the Major in International Studies:

Core Courses:

INT 201 Introduction to International Studies	3 hrs.
POL 212 International Politics	3 hrs.
ECN 211 Principles of Macroeconomics	3 hrs.
INT 401 Jr-Sr Seminar in International Studies	3 hrs.
INT 402 Senior Honors Thesis in International Studies (Optional depending on GPA)	3 hrs.
INT 403 Senior Thesis II (Optional second semester thesis writing, per recommendation from thesis director and program chair)	3 hrs.
Total Core Course hours	12-18 hrs.

For non-native English speaking students: Foreign Language or ESL/English Proficiency beyond native language requirement: **12-16 hrs.**

In addition to the courses required for the major, students are encouraged to enroll in two or more courses from the following as they complete Tier II of the New Foundations general education program.

ANT 115 Introduction to Cultural Anthropology	3 hrs.
HIS 106 Western Civilization II	3 hrs.
HIS 109 World History I	3 hrs.
HIS 110 World History II	3 hrs.
REL 102 World Religions	3 hrs.
SOC 111 Introduction to Sociology	3 hrs.

Foreign language (Chinese*, French, German*, Spanish)

Students will begin their language study at the level indicated by the results of their placement test or in subsequent consultation with a

member of the language department. International Studies majors must take a minimum of two 300-level language courses in which the language studied is the primary language of instruction.

FLG 102 Elementary Language II	4 hrs.
FLG 203, 204 Intermediate Language I and II	6 hrs.
Two 300-level language, literature or civilization courses	6 hrs.
Total Foreign Language hours	16 hrs.

*Students planning to complete this requirement in Chinese or German should contact the major program coordinator.

English as a Second Language (for students whose first language is not English/English beyond Native Language)

ENG 204 Introduction to Literature	3 hrs.
ENG 270 Expository Writing	3 hrs.
SPE 101 Introduction to Speech Communication	3 hrs.
SPE 203 Interpersonal Communication	3 hrs.
Total English as a Second Language hours	12 hrs.

Total Required Hours in the INT Major: 35-44 hrs.

International students who use the ESL/non-native English speaker option to complete the major may use an upper-level English or Speech course as one of the optional courses in the concentration.

All majors must maintain an overall 2.0 average or better in all courses presented to satisfy the major requirements.

Students with a GPA of 3.30 or higher may elect to write a senior thesis for honors recognition. "Graduated with Honors" will be noted on their transcript provided they complete the thesis with a grade of B or better. Students writing a thesis will complete INT 402 Senior Thesis I during their junior or senior years. With the agreement of the thesis director and INT program chair, thesis students may take INT 403 Senior Thesis II (a second semester of research and writing on the thesis) as well. All INT majors must take INT 401 (the International Studies Jr.-Sr. seminar/capstone course in their junior or senior year).

Students who do not elect to write a senior thesis are required to present a portfolio of their work, containing at least three papers or comparable projects submitted for courses in the major. At least two of the papers or projects must be from upper-level courses (including one of the two from the INT 401 course). The portfolio will not be graded but it is a requirement for graduation.

Area of Concentration 14-15 hrs.

(Courses marked with an asterisk (*) may count as electives in each concentration provided they have not been used in completion of a required component.)

Regional Studies Concentration (select one):

Asian and Middle Eastern Studies -Required courses:	
ASN 201 Asian Studies	3 hrs.
An Upper Level course on Asia, East Asia, or the Middle East	3 hrs.
One of the following electives:	3 hrs.

HIS 300 Modern Middle East	
POL 300 Middle Eastern Politics	
POL 300 Politics and Security of Developing Nations	3 hrs.
Total hours	9 hrs.

Elective courses:

Three courses to be chosen from the following. Two of these courses must be numbered at the 300 level or above:

- Upper level foreign language courses
- Courses from an approved off-campus study program
- BUS 340 International Business
- ECN 334 Economic Development
- ECN 310 International Trade and Finance
- HIS 300 Modern Middle East
- HIS 348 History of American Foreign Relations
- HIS 350 The Vietnam Wars 1945-1995
- HIS 300 Modern East Asia
- INT 212 Model United Nations Team: [Asian or Middle Eastern nation]
- PHL 333 Asian Philosophy and Religion
- POL 300 Middle Eastern Politics
- POL 305 International Law and Organizations
- PSY 405 International and Cross-Cultural Psychology
- POL 300 Politics and Security of Developing Nations

Total hours 11-12 hrs.

European Studies-Required courses (choose two of the following):

- HIS 323 Europe since 1945 3 hrs.
- POL 306 West European Government and Politics 3 hrs.
- HIS/POL 300 Central Europe 3 hrs.

Total hours 6 hrs.

Elective courses:

Three courses to be chosen from the following. Two of these courses must be numbered at the 300 level or above:

- Upper level foreign language courses
- Courses from an approved off-campus study program
- BUS 340 International Business
- ECN 310 International Trade and Finance
- HIS 304 Selected Themes in British History, 1714 to present
- HIS 322 Europe in the 20th Century, 1900-1945
- HIS 327 Nazi Germany
- HIS 348 History of American Foreign Relations
- HUM 277/SPA 377 Spanish Civilization
- FRE 362 Francophone Civilizations (European culture)
- INT 212 Model United Nations Team [European nation]
- PSY 405 International & Cross-Cultural Psychology
- POL 305 International Law and Organizations
- POL 308 Post-Soviet Politics
- POL 362 American Foreign Policy

Total hours 8-9 hrs.

Latin American Studies- (Choose two courses totaling 6 hours):

- HIS 348 History of American Foreign Relations 3 hrs.
- SPA 378 Latin American Civilization 3 hrs.
- POL 300 Politics and Security of Developing Nations 3 hrs.
- POL 300 Human Rights and Security 3 hrs.

Total hours 6 hrs.

Elective courses:

Three courses to be chosen from the following. Two of these courses must be numbered at the 300 level or above:

- Upper level foreign language courses
- Courses from an approved study course program
- BIO 320/321 Biology in Belize
- BUS 340 International Business
- ECN 334 Economic Development
- ECN 310 International Trade and Finance
- INT 212 Model United Nations Team: [Latin American nation]
- POL 305 International Law and Organizations
- POL 362 American Foreign Policy
- PSY 405 International and Cross-Cultural Psychology
- POL 300 Politics and Security of Developing Nations
- POL 300 Human Rights and Security

Total hours 9-10 hrs.

Students may substitute experimental courses numbered 200 or 300 for the electives listed above with permission of the major program coordinator.

Note: If there are courses listed as part of the International Studies major that have been dropped by the department in which they have been taught, they need to be deleted from this list as well.

JOURNALISM, MEDIA AND PUBLISHING MINOR

Professor: T. Adams, C. Perry
 Associate Professors: H. LaVine, M. Tuthill
 Assistant Professors: B. Krieg, N. Leonard
 Instructor: H. Gehlert, C. O'Brien

Contact: Dr. Maureen Tuthill
 Phone: (573) 592-5066
 Email: Maureen.Tuthill@westminster-mo.edu

The Journalism, Media, Publishing Minor combines the development of strong foundational writing and media analysis skills with hands-on real world media manipulation skills to gain an understanding of the communication potential of contemporary media systems. A blend of creativity and technology, the minor develops an appreciation for media and its capabilities as a tool for information dissemination, social change, marketing, and entertainment, while it also prepares students to design, organize, edit, and manipulate both print and digital media material.

Required Courses (9 hrs.)

- | | |
|--|--------|
| ENG/JMP 260 Introduction to Journalism | 3 hrs. |
| ENG/JMP 270 Expository Writing | 3 hrs. |
| ENG/JMP 360 Media Studies | 3 hrs. |

Elective Courses (9 hrs.)

Three courses (at least one must be at the 300 level) from the following courses:

- | | |
|---|--------|
| ENG/JMP 200 Columns | 3 hrs. |
| ENG/JMP 220 Janus & the World of Publishing | 3 hrs. |
| ENG/JMP 380 Digital Humanities | 3 hrs. |
| ENG/JMP 355 Message & the Media | 3 hrs. |
| ENG/JMP 376 Creative Nonfiction | 3 hrs. |

Or an approved Internship or other courses as approved by minor coordinator.

Total Hours 18 hrs.

All JMP Minors must have a grade of C- or better in the classes needed to satisfy the minor requirements.

LEARNING DISABILITIES PROGRAM

Assistant Professor: K. Tompson-Wolfe, Director
 Assistant Professor: T. Kroeker
 Academic Support Specialist & Learning Disabilities: C. Fort

Westminster's nationally recognized Learning Disabilities Program provides comprehensive, personalized academic support services for students who have been clinically diagnosed with learning disabilities. Services provided by the Program's professional staff, include alternative examination arrangements, individual instruction in compensatory learning strategies, advocacy and academic advising. In addition, students are enrolled in either the Reading and Writing Workshop or the Time Management Workshop. Although the program serves many students through graduation, the emphasis of the program falls in the first two semesters, focusing on the development of skills required for independent success in a rigorous liberal arts curriculum.

MATHEMATICAL SCIENCES MAJOR AND MINOR

Professor: M. Majerus
 Associate Professor: E. Martin
 Assistant Professors: K. Benson, C. Mooney, P. Yu
 Visiting Instructors: P. Sanderson

Contact: Dr. Erin Martin
 Phone: (573) 592-5306
 Email: Erin.Martin@westminster-mo.edu

The Department of Mathematical Sciences offers a major and a minor program of study in mathematical sciences as well as course work integral to the General Education Program and to programs in the physical sciences. Quantitative and analytic skills are essential for useful and effective lives. Through the study of mathematical sciences, students acquire and enhance their problem solving skills and learn to apply these to real world issues. Students who are planning to major in mathematics should complete MAT 124 and CSC 104 in the freshman year. All students taking math courses are required to purchase the TI-84+ calculator. Majors must earn a 2.3 GPA in all mathematics courses needed to satisfy the major requirement.

Requirements for the Major in Mathematical Sciences:

- | | |
|--|--------|
| MAT 124 Calculus I | 5 hrs. |
| MAT 214 Calculus II | 4 hrs. |
| MAT 215 Linear Algebra | 3 hrs. |
| MAT 224 Calculus III | 4 hrs. |
| MAT 313 Mathematical Probability and Statistics | 3 hrs. |
| MAT 331 Mathematics Seminar
(must be taken no later than junior year) | 3 hrs. |
| MAT 422 Modern Algebra | 3 hrs. |
| MAT 424 Advanced Calculus | 3 hrs. |
| Mathematics electives (upper-level courses) | 6 hrs. |

Other Required Courses:

- | | |
|--|--------|
| CSC 104 Programming Logic and Design | 3 hrs. |
| Plus one of the Following Courses: | |
| CSC 111 Fundamentals of Computer Science I | 3 hrs. |

PHY 212 Physics II **or** an upper-level course in Biology, Chemistry, or Economics which has a prerequisite in the discipline 3-4 hrs.
Total hours 43-44 hrs.

Requirements for the Minor in Mathematical Sciences:

MAT 114 Elementary Statistics **or**
 MAT 313 Mathematical Probability and Statistics* 3 hrs.
 MAT 124 Calculus I 5 hrs.
 MAT 214 Calculus II 4 hrs.
 Two Courses from the Following List:
 MAT 215 Linear Algebra 3 hrs.
 MAT 224 Calculus III 4 hrs.
 MAT 305 Heart of Mathematics 3 hrs.
 MAT 310 History of Mathematics 3 hrs.
 MAT 312 Differential Equations 3 hrs.
 MAT 313 Mathematical Probability and Statistics* 3 hrs.
 MAT 314 Higher Geometry 3 hrs.
 MAT 331 Math Seminar 3 hrs.
Total Required Hours in Minor 18-19 hrs.

*If MAT 313 is taken instead of MAT 114, it will not count as one of the two elective courses.

All Mathematical Science minors must earn a C- or better in the classes needed to satisfy the minor requirements.

All Mathematics courses at Westminster College require the use of TI-84+ graphing calculators. Other computer software such as Minitab, Maple, and Geometer's Sketchpad are integrated into course work where appropriate.

MUSEUM STUDIES MINOR

Contact: Dr. Cinnamon Brown
 Phone: 573-592-5271
 Email: Cinnamon.Brown@westminster-mo.edu

The addition of a minor in Museum Studies will introduce students to the theory and practice of Museum Studies and will provide them with a unique set of practical and vocational skills. The program aims to give them the necessary preliminary training for a career in a museum or public history environment. Among the skills they can learn are: how to collect, handle, and preserve artifacts and how to interpret material culture for a museum audience. In addition, students who minor in this program will develop some awareness of the theoretical and practical issues involved in running a museum, such as how to set up exhibits, how to run educational and public outreach programs, how to raise funds, and how to keep records.

Students can look forward to taking courses in Museums and Society, Museums and Education, and Museums and Collections.

Requirements for the minor in Museum Studies

Required courses:
 MSM 200 Introduction to Museum Studies 3 hrs.
 MSM 300 Museums and Society 3 hrs.
 MSM 300 Museum Internship 3 hrs.
 MSM 300 Museums and Education: Places of Learning

OR MSM 300 Museums and Collections 3 hrs.
Total 12 hrs.

Elective courses: Students are required to take 2 courses from the following lists.

Both courses should be taken from 1 of the following 3 categories

Objects, Collections, and Preservation
 MSM 300 Museums and Collections 3 hrs.
 MSM 300 Independent Studies in Museum Studies 3 hrs.
 Approved Study Abroad or Off-Campus Trip
 Institutions and Administration
 ACC 215 Principles of Financial Accounting 3 hrs.
 ACC 307 Government and Non-Profit Accounting 3 hrs.
 BUS 250 Principles of Marketing 3 hrs.
 BUS 220 Fundamentals of Management 3 hrs.
 BUS 335 Entrepreneurship 3 hrs.
 LST 210 Leadership for Non-Profit Organizations 3 hrs.
 SPE 310 Business and Professional Communication 3 hrs.
 SPE 220 Public Relations 3 hrs.
 Society and Education
 MSM 300 Independent Studies in Museum Studies 3 hrs.
 MSM 300 Museums and Education: Places of Learning 3hrs.
 EDU 203 Teaching Art, Music and Language Arts 3 hrs.
 EDU 210 Literature for Children and Youth 3 hrs.
 EDU 230 Child & Adolescent Growth & Devel. 3 hrs.
 EDU 308 Methods of Teaching Social Studies in Elementary & Middle School 2 hrs.
 FAR 310 The Art of Service: Community Based Arts Initiatives 3 hrs.
 HIS 390 Historiography 3 hrs.
 HIS 300 Oral History 3 hrs.
Total 6 hrs.
Total for the Museum Studies Minor 18 hrs.

MUSIC MINOR

Associate Professor: N. Sexton
 Visiting Instructor: T. Werts

Contact: Dr. Natasia Sexton
 Phone: (573) 592-5214
 Email: natasia.sexton@westminster-mo.edu

Music at Westminster integrates applied performance, acquired knowledge in history and theory, and interpretive analysis within the academic liberal arts framework. Not only do music courses develop artistic expression and critical appreciation, but students enrolled in Westminster music courses also synthesize those skills throughout their college learning experience. Through private lessons, choral ensembles, and history, literature, and theory courses, students are challenged to communicate effectively, reason critically, solve problems, and to work collaboratively. Music courses are designed to develop the judgment, analytic capacity, and expressive integrity that will enable all students to act as purveyors and transmitters of the musical arts throughout their lives.

Students may enroll in private lessons as well as participate in choral ensembles; here they will build upon their skills and interests through study, rehearsal, and performance of diverse music styles and genres. Private instruction is open to any student wishing to advance their

musical proficiency. Each credit hour in private instruction includes a one-half hour lesson per week.

The Fine Arts department offers a music minor, and students may also choose to create a self-designed music major.

Requirements for the Minor in Music:

MUS 105 Fundamentals of Music	3 hrs.
MUS 208 Music Theory II	3 hrs.
MUS 303 Music History and Literature I	3 hrs.
MUS 304 Music History and Literature II	3 hrs.
Ensembles:	
4 hours of major performance ensemble taken from the following:	
MUS LB5 Churchill Singers	2 hrs.
Applied lessons:	
2 hours private lessons (vocal, piano):	
MUS 101 Private Music Instruction – Beginner	1 hr.
MUS 201 Private Music Instruction – Intermediate	1 hr.
MUS 301 Private Music Instruction – Advanced (may be repeated)	2 hrs.
And ONE course selected from the following:	
ENG 335 A Sense of Place: American Writers on Location – New York	3 hrs.
ENG 345 Ethnic Literature: Harlem Renaissance	3 hrs.
ENG 355 Literature and the Other Arts: Jazz, Blues and Poetry	3 hrs.

All Music minors must also demonstrate piano proficiency at the MUS 201 level. This requirement may be fulfilled by taking piano lessons at the MUS 201 level or by passing a piano proficiency test at the MUS 201 level (0-2 hours).

Total Requirement: 21 hrs.

NURSING DUAL-DEGREE PROGRAM

Contact: Dr. Dawn Holliday
 Phone: (573) 592-6125
 Email: Dawn.Holliday@westminster-mo.edu

Westminster's Dual Degree Nursing Program is designed for students who wish to complete both an undergraduate, liberal arts degree (BA) and a degree in nursing (BSN). Because of their commitment to the liberal arts and lifelong learning, the Goldfarb School of Nursing at Barnes-Jewish College is a strong match for Westminster College. Students may qualify for one of two programs: (1) the 3-2 program, through which they complete three years at Westminster and two years at the Goldfarb School of Nursing at Barnes-Jewish College through the Upper Division BSN Option; (2) the 4-1 program, designed for students who wish to spend four years at Westminster and one year completing the Accelerated BSN Option at the Goldfarb School. Upon completion of the 3-2 option, students will receive both a B.A. from Westminster College and a BSN from the Goldfarb School of Nursing at Barnes-Jewish College. Students pursuing the 4-1 option will receive a Bachelor of Arts from Westminster at the end of the four years in residence, before going on to the Accelerated program to receive a BSN from Goldfarb School of Nursing at Barnes-Jewish College.

During their years at Westminster College, students interested in the dual degree program must complete the requirements for general

education and a major at Westminster, while also meeting the following course requirements in order to be considered for admission to the Goldfarb School of Nursing at Barnes-Jewish College. Advising during these years is critical, as students must take all nursing program prerequisites, as well as be able to complete both degrees in approximately five years.

Upper Division BSN Option (adapted from the Goldfarb School of Nursing at Barnes-Jewish College Catalog)

The Upper Division BSN Option is a full-time, five-term program (two years) that is comprised of 66 credit hours of nursing course work. Applicants must complete at least 54 credit hours of prerequisite course work at Westminster College before attending the Goldfarb School of Nursing at Barnes-Jewish College. GSON admits students for summer, fall, and spring terms, and classes are held during the full calendar year.

Students complete their clinical experiences at Barnes-Jewish Hospital and St. Louis Children's Hospital, as well as at other BJC HealthCare Hospitals and St. Louis metropolitan area health care facilities.

The Upper Division BSN Option prepares students to provide direct care to patients and their families in a variety of health care settings, as well as to pursue higher degrees in nursing.

Eligible graduates will take the National Council Licensure Examination (NCLEX-RN), although program completion does not guarantee eligibility to take the exam. Also, passing the exam is required to become an entry-level registered nurse. For more information, please see <http://www.moga.mo.gov/statutes/c300-399/3350000066.htm>

Admission Requirements for the Upper Division BSN Program (with WC courses noted):

- Minimum 3.0 cumulative undergraduate GPA
- Minimum of 54 credit hours in the following prerequisite courses:
 - Anatomy & Physiology I with lab
 - Anatomy & Physiology II with lab (BIO 203 and 370 fulfill these two requirements)
 - Microbiology with lab (BIO 403)
 - Biology, Chemistry, Genetics or Physics (BIO 114/115, BIO 124/125, CHM 114/115 and/or CHM 124/125)
 - Introduction to Human Nutrition (HES 251)
 - Ethics (PHL 212, 242, 244, or 246)
 - History or Political Science (any)
 - English Composition I (ENG 103)
 - English Composition II (ENG 270)
 - Introduction to Sociology (SOC 111)
 - General Psychology (PSY 113)
 - Human Growth & Development (PSY 312)
 - College Algebra (MAT 111)
 - Statistics (MAT 114)
 - General Elective
 - Humanities Elective
 - Social Science Elective

Additional Requirements for the 3-2 Westminster-Goldfarb Nursing Program:

- Completion of the Westminster requirements for general education: 53-57 hrs.
- Completion of a Westminster major (Biology, Exercise

Science, or SDM: Health and Wellness recommended): 36-40 hrs.

Transfer of credit from the Goldfarb School of Nursing at Barnes-Jewish College: approximately 30 hrs.

Courses that may transfer from the Goldfarb School of Nursing at Barnes-Jewish College to Westminster College

(NURS 3270 Leadership Role Development will transfer as a Tier II Human Behavior and Social Institutions Context; all other courses will transfer as NMS elective credit):

NURS 3140 Pathophysiology	4 hrs.
NURS 3150 Foundations of Professional Practice	3 hrs.
NURS 3160 Nursing Informatics	3 hrs.
NURS 3170 Nursing Pharmacology 4	3 hrs.
NURS 3180 Health Assessment for the Professional Nurse	3 hrs.
NURS 3250 Practice of Nursing Research	3 hrs.
NURS 3260 Introduction to Adult Health	6 hrs.
NURS 3350 Psychiatric/Mental Health Nursing: A Biopsychosocial Approach	4 hrs.
NURS 3360 Nursing of the Childbearing Family	4 hrs.
NURS 4150 Adult Health Nursing I	6 hrs.
NURS 3270 Leadership Role Development	4 hrs.
NURS 4160 Nursing of Children and Families	4 hrs.
NURS 4250 Adult Health Nursing II	4 hrs.
NURS 4260 Community Health Nursing	6 hrs.

Accelerated BSN Option (adapted from the Goldfarb Catalog)

Goldfarb School of Nursing at Barnes-Jewish College offers the Bachelor of Science in Nursing Accelerated Option, an entry-level nursing program for individuals who have a bachelor's degree or higher in a field other than nursing.

The Accelerated BSN Option is a full-time, 12-month program that is comprised of 58 credit hours of nursing course work. Applicants must complete 24 credit hours of prerequisite course work at Westminster. GSON admits students for summer, fall, and spring terms. Due to the fast paced nature of the program, students are strongly encouraged not to work while attending school. They must be available a minimum of 40-50 hours per week for course work and simulation labs during the day and for clinical experiences during days, evenings, and/or weekends. Students complete their clinical experiences at Barnes-Jewish Hospital and St. Louis Children's Hospital, as well as at other BJC HealthCare Hospitals and St. Louis metropolitan area health care facilities.

The Accelerated BSN Option prepares students to provide direct care to patients and their families in a variety of health care settings, as well as to pursue higher degrees in nursing.

Eligible graduates will take the National Council Licensure Examination (NCLEX-RN), although program completion does not guarantee eligibility to take the exam. Also, passing the exam is required to become an entry-level registered nurse.

Admission Requirements for the Accelerated BSN Program (with WC courses noted):

Completion of Westminster general education requirements, and major requirements in a field other than nursing
Minimum 3.2 cumulative undergraduate GPA

Minimum of 24 credit hours in the following prerequisite courses:

Anatomy & Physiology I with lab
Anatomy & Physiology II with lab
BIO 203 and 370 fulfill these two requirements
Microbiology with lab (BIO 403)
Introduction to Human Nutrition (HES 251)
Statistics (MAT 114)
Psychology as a Social Science (PSY 113)
Human Growth & Development (PSY 312)

ORGANIZATIONAL LEADERSHIP MINOR

Professor: D. Jones

Contact: Dr. David Jones

Phone: (573) 592-5288

Email: David.Jones@westminster-mo.edu

The Organizational Leadership minor involves a balance of classroom and community-based learning experiences. Students are exposed to contemporary leadership concepts and theories, and to their application in a variety of contexts. This minor includes skill development in critical thinking, creative problem-solving, and ethical decision-making, which are the foundation to becoming a positive change agent, whether the change occurs at the personal, group, organizational, community, or global level. The courses help students develop and implement their own values-centered and strengths-based leadership philosophy and style that is grounded in ethics and contemporary theory. The Organizational Leadership minor supplements a wide variety of majors and can also be expanded into a self-designed major, including but not limited to nonprofit leadership, youth development leadership, and cross-cultural leadership.

This 18-credit hour minor involves courses in five core areas: leadership theory, cross-cultural leadership, communication/conflict resolution, ethical decision-making, and management. The sixth requirement provides an opportunity to apply the core areas to an intensive leadership experience on campus or in the community.

Requirements for the Minor in Organizational Leadership

Required Courses:

LST 201 Leadership Theories and Practice	3 hrs.
LST 399 Leadership Internship or	3 hrs.
LST 301 Organizational Leadership Mentoring	3 hrs.
LST/TNS 325 Cross Cultural Leadership	3 hrs.
Ethics and Leadership Elective Options (3 hours from the following List):	
PHL 212 Introduction to Ethics	3 hrs.
PHL 242 Biomedical Ethics	3 hrs.
PHL 244 Business Ethics	3 hrs.
PHL 246 Environmental Ethics	3 hrs.

Management Courses (One of the following):

BUS 220 Fundamentals of Management	3 hrs.
LST 210 Leadership for Non-Profit Organizations	3 hrs.
Communication Skills (3 hours from the following list):	
LST 205 Mediation and Conflict Resolution	3 hrs.
SPE 203 Interpersonal Communications	3 hrs.

Total Hours Required: 18 hrs.

PHILOSOPHY MAJOR AND MINOR

Professor: R. Geenen
Associate Professor: J. McRae

Contact: Dr. Rich Geenen
Phone: (573) 592-5277
Email: Rich.Geenen@westminster-mo.edu

The Department of Classics, Philosophy and Religious Studies offers major and minor programs in philosophy and courses that support the College's General Education Program. Philosophy inquires into every aspect of knowledge and value. It is distinguished from other disciplines more by its critical and integrative approach than by a select subject matter. The philosophy curriculum is designed to accommodate students for whom philosophy is simply their choice of a liberal arts major, students who intend to study philosophy in graduate school, and students who study philosophy to complement their work in other disciplines.

Any 100 or 200-level course may be a student's first course in philosophy. Students who plan to take both History of Ancient and Medieval Philosophy and History of Modern Philosophy should, if possible, take History of Ancient and Medieval Philosophy first.

Requirements for the Major in Philosophy:

At least one course in ethics	
PHL 212 Introduction to Ethics or	
PHL 242 Biomedical Ethics or	
PHL 244 Business Ethics or	
PHL 246 Environmental Ethics	3 hrs.
At least one course in logic	
PHL 218 Introduction to Logic or	
PHL 224 Formal Logic	3 hrs.
PHL 221 History of Ancient & Medieval Philosophy	3 hrs.
PHL 222 History of Modern Philosophy	3 hrs.
A non-western philosophy course (see * below)	3 hrs.
Three upper level philosophy courses	9 hrs.
Any additional Philosophy courses	6 hrs.
Total hours:	30 hrs.

* Examples of non-western philosophy courses are PHL/REL 102 World Religions and PHL 333 Asian Philosophy & Religion, though other courses may count as determined by the student's philosophy advisor or the chair of Classics, Philosophy and Religious Studies.

Any course with a PHL prefix may be counted as a philosophy requirement. In addition two courses that fit both of the following criteria may also be counted toward the philosophy major as well.

- 1) The course is deemed to have a strong philosophical content and/or methodology as determined by the chair of Classics, Philosophy, and Religious Studies or the student's philosophy advisor.
- 2) The course is either REL 102 World Religions, or is an upper level course in Religion, Political Science, Environmental Studies, English, Psychology, or Sociology/Anthropology.

Majors must earn a grade of C- or better in all courses used to satisfy major requirements. Philosophy majors who intend to pursue graduate study in philosophy are strongly advised to take at least two courses in a foreign language in which there is a significant body of philosophical literature. Such a major's choice of foreign language should be discussed with a member of the department.

Requirements for the Minor in Philosophy:

PHL 218 Introduction to Logic or	
PHL 224 Formal Logic	3 hrs.
PHL 221 History of Ancient and Medieval Philosophy	3 hrs.
PHL 222 History of Modern Philosophy	3 hrs.
Any 300 or higher PHL course	3 hrs.
Philosophy Electives	6 hrs.
Total hours	18 hrs.

Minors must earn a grade of C or better in all courses used to satisfy the minor requirements.

PHYSICS MAJOR AND MINOR

Associate Professor: L. Stumpe
Visiting Assistant Professor: L. Criswell

Contact: Dr. Laura Stumpe
Phone: (573) 592-5224
Email: Laura.Stumpe@westminster-mo.edu

The Department of Physics offers a major and a minor program of study in physics. Physicists seek a description of nature in terms of its most fundamental entities. They study systems ranging in size and complexity from quarks to the universe itself. The offerings of the department are planned to meet the following needs: (1) general cultural knowledge, (2) specific group requirements for majors in other departments, (3) basic subject matter for those preparing to enter various branches of engineering or other technical schools, and (4) a major in physics, for those intending to enter industry or to continue in graduate school.

Requirements for the Major in Physics:

PHY 201 Physics I	4 hrs.
PHY 212 Physics II	4 hrs.
PHY 223 Physics III	3 hrs.
PHY 314 Thermodynamics	4 hrs.
PHY 315 Modern Physics	4 hrs.
PHY 324 Light or	
PHY 325 Electronics	4 hrs.
PHY 415-416 Introduction to Theoretical Physics I & II	8 hrs.
Total hours	31 hrs.
Physical Chemistry I and II (CHM 424, 425, 434, and 435) may be substituted for PHY 314 Thermodynamics and PHY 315 Modern Physics. Majors must earn a grade of C- or better in all physics courses needed to satisfy major requirements.	
Other:	
Mathematics through MAT 312 Differential Equations	21-24 hrs.
CHM 114, 115 General Chemistry I (lecture and lab)	4 hrs.
CHM 124, 125 General Chemistry II (lecture and lab)	4 hrs.
One of the Following Three Requirements	6-8 hrs.
• Completion of a two-semester sequence of courses in French or German, or certification of reading knowledge in one of these languages by the Department of Foreign Languages.	
• CSC 104 and (MAT 325 Introduction to Numerical Analysis OR MAT 215 Linear Algebra)	
• Six hours of computer science including CSC 111 Fundamentals of Computer Science I.	

Total hours**66-71 hrs.**

Because of the emphasis placed on mathematics, chemistry, and computer science in the physics program, some students select an additional major or minor in one of these subjects.

Requirements for the Minor in Physics:

PHY 201 Physics I	4 hrs.
PHY 212 Physics II	4 hrs.
PHY 223 Physics III	3 hrs.
Two Courses Selected from the Following:	
AST 211 Astronomy	3 hrs.
PHY 314 Thermodynamics	4 hrs.
CHM 424 & 425 Physical Chemistry	4 hrs.
PHY 324 Light	4 hrs.
PHY 325 Electronics	4 hrs.
PHY 415 Introduction to Theoretical Physics I	4 hrs.
PHY 416 Introduction to Theoretical Physics II	4 hrs.

Total hours**18-19 hrs.****POLITICAL SCIENCE MAJOR AND MINOR**

Professors: K. Jefferson; J. Langton
Associate Professor: T. Gibson
Assistant Professor: K. Wright-Smith

Contact: Dr. John Langton
Phone: (573) 592-5295
Email: John.Langton@westminster-mo.edu

Political Science is a scientific and humanistic discipline that attempts to explain and evaluate politics and political systems in terms of fundamental empirical theories and general normative principles. Political science thus seeks not only to understand the struggles for power and influence that determine who gets what, when, and how, but also to ascertain the best or most appropriate way for human beings to live together both within societies and the world community. Both the major and minor in political science are designed to give students a solid grounding in the four main sub-fields of the discipline: American government and politics; comparative politics; international relations; and normative political theory. The major program is further structured into three "tracks" to allow students to pursue a more advanced study of politics and government in a manner that is most conducive to their particular interests and professional goals.

Requirements for the Major in Political Science:

All Students majoring in political science must complete the following four introductory courses. They are urged to take POL 112 and 211 before POL 205 and POL 212. All four introductory courses should be completed by the end of the sophomore year.

POL 112 Introduction to Political Science	3 hrs.
POL 205 Introduction to Political Theory	3 hrs.
POL 211 American Government and Politics	3 hrs.
POL 212 Introduction to International Politics	3 hrs.
Total Introductory Hours	12 hrs.

Students may complete the major in political science by fulfilling the course requirements in one of the following tracks and certain collateral or related courses outside the discipline.

Track 1: General Political Science Track: 18 hrs.

Required: one upper level course in each sub-field: 12 hrs.

- **American Politics:** POL 343 Congress, POL 342 The Supreme Court, POL 301 The American Presidency, POL 311 Political Parties, Voting, and Campaign Strategies, POL 314 American Constitutional Law and Politics, and POL 316 American Jurisprudence, POL 326 Environmental Politics and Policy, POL 370 Drugs, Politics, and Public Policy
- **Comparative Politics:** POL 300 Middle Eastern Politics, POL 306 West European Government and Politics, POL 308 Post-Soviet Politics, POL 323 Governments and Politics of Southeast Asia, POL 340 Religion and Politics, POL 423 Politics of the Non-Western World
- **International Relations:** POL 305 International Law and Organizations, POL 362 American Foreign Policy
- **Political Theory:** POL 302 Political Thought and Modern Society, POL 303 Marxism and the Marxist Tradition, POL 304 American Political Theory

Electives: Select any two other political science courses from any sub-fields. (May include POL/SOC 300 Social Science Research Methods.) 6 hrs.

Total hours, General Political Science Track 30 hrs.**Track 2: The Pre-Law Track**

Required: Complete the Pre-Law Minor 21 hrs.

Electives: Select two other political science courses from any sub-field. (May include POL/SOC 300 Social Science Research Methods.)

6 hrs.

Total hours, Pre-Law Track 39 hrs.**Track 3: The Security Studies Track**

Required: Complete the Security Studies Minor 18 hrs.

Electives: Select two other political science courses from any subfield. (May include POL/SOC 300 Social Science Research Methods.) 6 hrs.

Total hours, Security Studies Track 36 hrs.**Total hours, depending on selected track** 30-39 hrs.

Students contemplating graduate school in political science are strongly encouraged to take at least two semesters of a foreign language, Introduction to Computers, an advanced course in statistics, and a relevant methods course such as MAT 313, PSY 270, PSY 274, or ECN 367, or preferably POL/SOC 300 Social Science Research Methods.

All departmental majors must have an overall 2.0 average or better in all courses presented to satisfy the major requirements, including courses in the Pre-Law and Security Studies minors for tracks two and three.

Requirements for the Minor in Political Science:

POL 112 Introduction to Political Science	3 hrs.
POL 205 Introduction to Political Theory	3 hrs.
POL 211 American Government and Politics	3 hrs.
POL 212 Introduction to International Politics	3 hrs.
1 course in comparative politics	3 hrs.
1 300-level course from an area of political science other than comparative politics	3 hrs.
Total hours	18 hrs.

All departmental minors must have an overall “C” average or better in the group of courses presented to satisfy the requirements for the political science minor.

PRE-ENGINEERING MINOR

Associate Professor: E. Martin

Contact: Dr. Erin Martin
 Phone: (573) 592-5306 Fax (573) 592-5206
 Email: Erin.Martin@westminster-mo.edu

The Pre-Engineering minor at Westminster is designed for students who wish to combine a liberal arts education with a career in engineering. A student completing the Pre-Engineering minor will earn credit for the courses necessary to complete the dual degree engineering program with Washington University in St. Louis, Missouri University of Science and Technology, or another institution.

Requirements for the Minor in Pre-Engineering:

EGR/PHY 101 Introduction to Engineering and Design	3 hrs.
CHM 114/115 General Chemistry I	4 hrs.
MAT 312 Differential Equations*	3 hrs.
PHY 212 Physics II	4 hrs.
Electives: Two courses from the list below	
BIO 301 Genetics	3 hrs.
CHM 124/125 General Chemistry II	4 hrs.
CSC 211 Fundamentals of Computer Science II	3 hrs.
MAT 215 Linear Algebra	3 hrs.
MAT 313 Mathematical Probability and Statistics	3 hrs.
Total hours	20-21 hrs.

*The prerequisites for MAT 312 are MAT 124, MAT 214, MAT 224, and CSC 104, all of which must be completed with a grade of C or better before enrollment in MAT 312.

PRE-LAW MINOR

Professor: J. Langton

Contact: Dr. John Langton
 Phone: (573) 592-5295
 Email: John.Langton@westminster-mo.edu

As a part of the Pre-Law program, Westminster offers a Pre-Law Minor, which is designed to give students the skills and knowledge they need to be successful in law school.

Requirements for the Minor in Pre-Law:

SPE 101 Introduction to Speech Communications or	
ENG 270 Expository Writing	3 hrs.
PHL 218 Introduction to Logic or	
PHL 224 Formal Logic	3 hrs.
BUS 223 Business Law	3 hrs.
POL 342 The U.S. Supreme Court or	
POL 314 American Constitutional Law and Politics	3 hrs.

POL 316 American Jurisprudence	3 hrs.
Total hours	15 hrs.

Elective Courses: 6 hours selected from the following courses:

POL 399 Law-Oriented Internship	3 hrs.
POL 304 American Political Theory	3 hrs.
POL 305 International Law and Organizations	3 hrs.
Total elective hours	6 hrs.
Total hours required for Minor	21 hrs.

The Coordinator of the Legal Careers Advisory Committee will act as the Coordinator for the Pre-Law Minor.

Law-Oriented Internships must be approved by Westminster’s Internship Director. The Coordinator of the Legal Careers Advisory Committee will usually serve as the academic advisor for law-oriented internships. The law-oriented internship will typically include work with an attorney in private practice, a public defender or prosecutor, or a judicial official.

Students minoring in Pre-Law and planning to attend law school are also urged to take one or more of the following courses: Principles of Accounting I (ACC 215), American Government and Politics (POL 211), Principles of Microeconomics (ECN 212), Introduction to Ethics (PHL 212), Introduction to Political Theory (POL 205), Expository Writing (ENG 270).

All departmental minors must have an overall “C” average or better in the group of courses presented to satisfy the requirements for the Pre-Law minor.

PSYCHOLOGY MAJOR AND MINOR

Professors: D. Jones
 Associate Professor: A. Coats (Chair)
 Assistant Professor: R. Brunner
 Visiting Assistant Professor: T. Irelan
 Instructor: K. Lacey, J. Peterson

Contact: Dr. Abby Coats, Chair
 Phone: (573) 592-6121
 Email: Abby.Coats@westminster-mo.edu

Psychology is defined as the science of mental processes and behavior. The Department of Psychology offers both a major and a minor in psychology. The courses that comprise the psychology major are designed to acquaint the student with the systematic and quantitative demands of scientific thought, as well as to ensure that students will be able to comprehend human behavior from cognitive, environmental, and biological perspectives. The Department intends that a major will, upon completion of his or her program, **1)** have developed a conceptual framework that includes important psychological facts, principles and theories, **2)** understand biological factors as they mediate human thought, emotion and behavior, **3)** be able to use critical thinking to analyze human behavior recognizing behavior as the product of antecedents and consequents, **4)** have developed quantitative reasoning skills to level enabling organization and analysis of data from survey, field or laboratory research, **5)** have mastered use of computer technology in the execution and/or presentation of research findings, **6)** have developed oral presentation skills incorporating APA style elements for presentation of psychological findings, **7)** have developed

writing skills incorporating APA style elements for the presentation of psychological findings, **8**) have developed cooperative learning skills by working productively in groups providing leadership for task completion, **9**) have mastered information gathering and synthesizing skills related to a psychological topic, **10**) be able to connect knowledge from several sub fields in psychology to address a large question, and **11**) be able to appreciate the uniqueness of individuals based on learning historical, biological and cultural differences.

Beyond the pedagogical goals cited above, the curriculum is designed to provide introductory courses for the College's general education requirements, and a few collateral courses supplementing other major programs.

In order to graduate with Honors in Psychology, the student must fulfill the following requirements: (1) graduate with minimum 3.50 GPA in psychology courses; (2) be a member of Psi Chi, the national honor society in psychology; (3) complete satisfactorily a senior thesis; and (4) present at least one paper at an off-campus regional or national conference or have a publication in a refereed journal.

Requirements for the Major in Psychology:

PSY 112 Psychology as a Natural Science	3 hrs.
PSY 113 Psychology as a Social Science	3 hrs.
PSY 270 Research Tools	3 hrs.
PSY 274 Methods in Experimental Psychology	3 hrs.
Total	12 hrs.

Four of the Following, with AT LEAST ONE from each list:

List One:

PSY 310 Social Psychology	3 hrs.
PSY 312 Developmental Psychology	3 hrs.
PSY 315 Psychology of Personality	3 hrs.
PSY 390 Abnormal Psychology	3 hrs.

List Two:

PSY 290 Biological Psychology	3 hrs.
PSY 320 Memory and Cognition	3 hrs.
PSY 370 Sensation and Perception	3 hrs.
Total	12 hrs.

Two of the Following Laboratories:

PSY 311 Social Psychology Laboratory	1 hr.
PSY 313 Developmental Laboratory	1 hr.
PSY 316 Personality Laboratory	1 hr.
PSY 321 Memory and Cognition Laboratory	1 hr.
PSY 371 Sensation and Perception Laboratory	1 hr.
Total	2 hrs.

A Senior Capstone Course or Courses:

PSY 422 Senior Seminar or both:	3 hrs.
PSY 430 Pre-Thesis and	3 hrs.
PSY 431 Senior Thesis	3 hrs.
Total	3-6 hrs.

Three Psychology electives (6 hours must be upper level) 9 hrs.
Total Hours: 38-41 hrs.

Both PSY 112 and PSY 113 must be completed before a student will be permitted to declare a major in psychology. Majors are strongly urged to take a biology course, either BIO 108 or BIO 114/115, and MAT 114

Elementary Statistics to complete general education requirements. A major program must include at least 15 credit hours in upper-level courses. No more than six credit hours of PSY 398 Independent Study may be counted towards meeting major requirements and only three credit hours from 200 level electives may be counted toward the major. Majors must earn a grade of C- or better in all psychology courses needed to satisfy major requirements. PSY 422 or PSY 431 must be taken while enrolled at Westminster. Graduation with a psychology major at Westminster will require that a student complete at least 20 hrs. of Westminster psychology courses with grades of C- or higher.

Requirements for Minor in Psychology:

PSY 112 Psychology as a Natural Science	3 hrs.
PSY 113 Psychology as a Social Science	3 hrs.
PSY 274 Methods in Experimental Psychology	3 hrs.
One course from the following list:	
PSY 310 Social Psychology	3 hrs.
PSY 312 Developmental Psychology	3 hrs.
PSY 315 Psychology of Personality	3 hrs.
PSY 390 Abnormal Psychology	3 hrs.
One course from the following list:	
PSY 290 Biological Psychology	3 hrs.
PSY 320 Memory and Cognition	3 hrs.
PSY 370 Sensation and Perception	3 hrs.
One laboratory course from the following list:	
PSY 311 Social Psychology Laboratory	1 hr.
PSY 313 Developmental Psychology Laboratory	1 hr.
PSY 316 Personality Laboratory	1 hr.
PSY 321 Memory and Cognition Laboratory	1 hr.
PSY 371 Sensation and Perception Laboratory	1 hr.
Total Required Hours for Minor	16 hrs.

PUBLIC HEALTH MINOR

Contact: Therese Miller
 Phone: (573) 592-5300
 Fax: (573) 592-5366
 Email: Therese.Miller@westminster-mo.edu

Requirements for the Minor in Public Health:

HES 240 Introduction to Global Public Health	3 hrs.
HES 261 Epidemiology	3 hrs.
BIO 107 Introduction to Human Biology or BIO 203 Anatomy	4 hrs.
Public Health Capstone: Advanced Research Study, Service Learning Project, or Internship	3 hrs.
Additional Courses: Take at least one course from each of the following areas:	
Health Elective:	3 hrs.
PSY/WGS 301 Human Sexual Behavior	
PHL 242 Biomedical Ethics	
PSY 330 Addictive Disorders	
HES 251 Introduction to Nutrition	
HES 200 Stress Management	
Applied Learning in Public Health:	3 hrs.
HES 357 Community Nutrition	
HES 207 School Health, Physical Education and	

Safety in Elementary	
HES/WGS 355 Women's Health Issues	
LST/TNS 300 Cross Culture Leadership	
SOC 3xx Medical Sociology	
Total Hours:	19 hrs.

These courses may also be of interest to students with Public Health Minor:

BIO 335 Medical Terminology	1 hr.
HES 104 First Aid and CPR	1 hr.
BIO 370 Physiology (BIO 203 or 322 prereq)	3 hrs.

RELIGIOUS STUDIES MAJOR AND MINOR

Professor: C. Cain
 Associate Professor: J. McRae
 Instructors: J. Haskins, M. Jonas
 Visiting Instructor: H. Logan

Contact: Dr. Rich Geenen
 Phone: (573) 592-5277
 Email: Rich.Geenen@westminster-mo.edu

Religion is a pervasive and powerful phenomenon, expressing that which people ultimately value. In an increasingly interconnected world, it is ever more critical for educated persons to study religion in its many expressions. The Department of Classics, Philosophy, and Religious Studies offers a major and a minor program in Religious Studies. Courses in religious studies provide students with an opportunity to understand their own religious heritage and to know and appreciate other religious traditions. Religion is studied as a living part of its larger cultural setting, not merely as an isolated phenomenon. The approach to the subject matter is descriptive and historical.

Requirements for the Major in Religious Studies:

Required courses:	
REL 101 Introduction to the Bible	3 hrs.
REL/PHL 102 World Religions	3 hrs.
Total	6 hrs.

Two courses from the following list:	
PHL 212 Ethics	3 hrs.
PHL 221 History of Ancient & Medieval Philosophy	3 hrs.
SOC 111 Introduction to Sociology	3 hrs.
ANT 115 Cultural Anthropology	3 hrs.
PSY 300 Psychology of Religion	3 hrs.
Total	6 hrs.

Any five additional Religious Studies (REL) courses	15 hrs.
Total Hours Required:	27 hrs.

A student's major program must be approved by the department. Majors must earn a grade of C- or better in all courses counted towards the minimum 27 credit hours in religious studies.

Other: A foreign language is recommended for students whose professional or graduate school plans make language study desirable.

Requirements for Minor in Religious Studies:

Required Courses:	
REL 101 Introduction to the Bible	3 hrs.
PHL/REL 102 World Religions	3 hrs.
Total	6 hrs.

Three upper-level courses with the REL classification 9 hrs.

One upper level course from another department that focuses entirely or substantially on the phenomenon of religion 3 hrs.

Total Hours Required:	18 hrs.
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SECURITY STUDIES MAJOR AND MINOR

Associate Professor: T. Gibson

Contact: Dr. Tobias Gibson
 Phone: 573-592-5185
 E-Mail: Tobias.Gibson@westminster-mo.edu

Westminster College students who earn a major or minor in Security Studies will have the skill set necessary for job placement in the national security bureaucracy of the United States government, for placement in a national security graduate or law program, to work at a think tank or a nongovernmental organization or international nongovernmental organization, or to work for an international organization such as the U.N. or NATO.

Specifically, the student will be able to identify common threats to national, homeland, cyber, and/or human security, to understand policy creation and implementation, and to think critically about possible threats and reactions to national security breaches, and be well versed in foreign policy objectives of the United States.

All Security Studies majors must complete the core Security Courses and one of the four tracks.

Requirements for the Major in Security Studies:

Required Core Courses:	
SEC 201 Introduction to Security Studies	3 hrs.
SEC 3xx Intermediate Security Studies	3 hrs.
POL 328 National Security Agencies	3 hrs.
POL 362 American Foreign Policy	3 hrs.
SEC 491 Security Studies Thesis	3 hrs.
Total	15 hrs.

Homeland Security Track: 5 courses required.

POL 211 American Government and Politics	3 hrs.
PHL 212 Introduction to Ethics	3 hrs.
SEC 2xx Introduction to Homeland Security	3 hrs.
SEC 325 Issues in Homeland Security	3 hrs.
SEC 3xx Domestic Terrorism	3 hrs.
SEC 3xx Law and Homeland Security	3 hrs.
SOC 332 Prisons and Social Control	3 hrs.
SOC 3xx Race and Ethnicity	3 hrs.
ACC 3xx Whodunit: A Study of Forensic Accounting	3 hrs.
PSY 3xx The Psychology of Personal Security	3 hrs.
REL 346 Religion and Violence	3 hrs.
SEC 399 Internship	3-6 hrs.
Total	15-18 hrs.

National Security Track:

POL 301 The American Presidency	3 hrs.
POL 332 National Security Law I	3 hrs.
POL 333 National Security Law II	3 hrs.
POL 305 International Law and Organizations	3 hrs.
POL 308 Post-Soviet Politics	3 hrs.
POL 370 Drugs, Politics and Public Policy	3 hrs.
HIS/TNS/ISV 300 Central Europe	3 hrs.
HIS 348 US Foreign Policy and Empire	3 hrs.
HIS 3xx In the Shadow of Terror	3 hrs.
HIS 350 The Vietnam War	3 hrs.
HIS 3xx US Foreign Policy in the Middle East	3 hrs.
PSY 3xx The Psychology of Personal Security	3 hrs.
PSY 3xx Cross Cultural & International Psychology	3 hrs.
POL/TNS 300 Middle Eastern Politics & Culture	3 hrs.
POL 326 Environmental Politics and Policy	3 hrs.
POL 3xx Human Rights & Human Security	3 hrs.
POL 3xx Transnational Actors & Civil Society	3 hrs.
POL 3xx Transnational Crime	3 hrs.
REL 346 Religion and Violence	3 hrs.
PHL 212 Introduction to Ethics	3 hrs.
POL 423 Politics of the Non-Western World	3 hrs.
SOC 3xx Ethnic Conflict and Genocide	3 hrs.
SOC 3xx Nationalism, Citizenship and Migration	3 hrs.
SEC 399 Internship	3-6 hrs.
SEC 3xx Intermediate Security Studies: Revolutions	3 hrs.
SEC 4xx Advanced Studies in Revolutions	3 hrs.
TNS 300 Globalization of Disease	3 hrs.
ROTC Classes (MSC 101, 101.5, 201, 201.5)	4 hrs.
Total	15-16 hrs.

Cyber-Security Track:

Electives	
ITY 100 Cybersecurity for Society	3 hrs.
ITY 200 Cybersecurity	3 hrs.
ITY 232 Computer Networking	3 hrs.
ITY 300 Digital Forensics	3 hrs.
ITY 331 Information Storage and Management	3 hrs.
ITY 415 IT in the Organization	3 hrs.
POL 332 National Security Law I	3 hrs.
Total	15 hrs.

Intelligence Track:

12 hour Internship at ATIC	12 hrs.
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Total **27-31 hrs.**

A GPA of at least 2.00 is required in courses needed for the completion of the major.

Requirements for the Minor in Security Studies:

SEC 201 Introduction to Security Studies	3 hrs.
SEC 3xx Intermediate Security Studies	3 hrs.
POL 328 National Security Agencies	3 hrs.
POL 362 American Foreign Policy	3 hrs.
Two Additional Security Studies Courses	6-8 hrs.
Total	18-20 hrs.

Recommended: Although not required to earn a minor in Security Studies, it is highly recommended that a student take two years of a foreign language and participate in an off campus internship or study program related to Security Studies.

All departmental minors must have an overall "C" average or better in the group of courses presented to satisfy the requirements for the Security Studies minor.

SELF-DESIGNED MAJOR AND MINOR

Assistant Dean for Student Academic Success: I. Ilinca

Contact: Dr. Ingrid Ilinca

Phone: 573-592-5323

E-Mail: Ingrid.Ilinca@westminster-mo.edu

Students with particular interests may prefer to design their own program of study in concert with a team of teacher-scholars. Westminster's Self-Designed Major/Minor allows a student to design a personalized program drawing upon the strengths of several disciplines and departments. For example, students have designed individualized programs of study through the Self-Designed Major leading to majors in advertising, classics, public relations, and sports medicine. If the Self-Designed Major is approved, completion will satisfy the general degree requirement for a major. All other degree requirements must be fulfilled.

To complete an individualized degree program through the Self-Designed Major or Minor program, a student identifies a faculty advisor and one other faculty member. The faculty members must be from two different academic departments that best represent the courses listed for the major or minor. The student, with the aid of the faculty committee, develops a proposal for a major under the Self-Designed Major program, or a minor under the Self-Designed Minor program. One of the members of the committee must be designated as the student's primary academic advisor. The proposal should consist of a general description of and justification for the Self-Designed major and should indicate specific courses to be taken.

Generally, a student will begin the work under the Self-Designed Major after the freshman year, but in no case later than the start of the second semester of the junior year. Any exceptions to the start of a student's Self-Designed Major or Self-Designed Minor program must be approved by the Dean of Faculty. The academic advisor must meet with the student at least once each semester to review progress. A minimum of three semesters must be spent working under an approved plan. Forms are available from the Registrar's Office.

SOCIOLOGY MAJOR AND MINOR

Associate Professor: L. Fein

Contact: Dr. Lisa Fein

Phone: (573) 592-5309

Email: Lisa.Fein@westminster-mo.edu

Westminster students who earn a degree in sociology receive training in critical inquiry, theoretical analysis, and research methods. They learn to reason persuasively and communicate their ideas effectively, both individually and through team projects. They acquire knowledge of how society is structured culturally, politically, and economically. They become skilled at posing and rigorously pursuing the answers to

sociological questions about diverse phenomena and in perceiving the social complexity that often remains unexplored in everyday life. They leave college equipped to serve, lead, and engage in their social world and in the broader global community.

Career opportunities for sociology majors are varied, and rewarding, commonly including social science research and teaching, policy analysis, urban planning, advocacy, counseling, public administration, law, marketing research, and corrections/law enforcement. A major in sociology prepares students for graduate study in sociology, social work, public policy, law and many other fields.

Students must earn a C or better in the required methods and theories courses used to satisfy the major requirements and a C average or better in overall courses used to satisfy the major. Students must also submit a learning portfolio (deemed satisfactory by the department), during their senior year.

In order to graduate with Honors in Sociology, a student must graduate with a 3.5 GPA or higher in courses taken for the major, and write an honors thesis with a grade of B or better or present their sociological work in the Undergraduate Scholars Forum, a conference, a publication, or other approved venue.

Requirements for the Major in Sociology:

Required Courses (9 hrs.):

SOC 111 Introduction to Sociology	3 hrs.
SOC 360 Sociological Theory	3 hrs.
SOC 375 Social Science Research Methods	3 hrs.

Completion of one of the following two tracks:

General Sociology Track (18 hrs.):

Required Course (3 hrs.)	
ANT 115 Introduction to Cultural Anthropology	3 hrs.
Elective Courses (15 hrs.)	
SOC 315 Gender & Society	3 hrs.
SOC 332 Prisons & Social Control	3 hrs.
SOC 363 Deviance	3 hrs.
SOC 3xx Race & Ethnicity	3 hrs.
SOC 3xx Nationalism, Migration & Citizenship	3 hrs.
SOC 3xx Sociology of Mental Illness	3 hrs.
PSY 310 Social Psychology	3 hrs.

Total hours 27 hrs.

Human Services Track (21 hrs.):

Required Course:	
SOC 2xx Introduction to Human Services	3 hrs.
Elective Courses (18 hrs.)	
Three of the Following (9 hrs.):	
SOC 315 Gender & Society	3 hrs.
SOC 332 Prisons & Social Control	3 hrs.
SOC 363 Deviance	3 hrs.
SOC 3xx Race & Ethnicity	3 hrs.
SOC 3xx Nationalism, Migration & Citizenship	3 hrs.
SOC 3xx Sociology of Mental Illness	3 hrs.
Three of the Following (9 hrs.):	
PSY 310 Social Psychology	3 hrs.
PSY 312 Developmental Psychology	3 hrs.
POL 370 Drugs, Politics and Public Policy	3 hrs.
PSY 340 Forensic Psychology	3 hrs.

PSY 330 Addictive Disorders	3 hrs.
PSY 412 Counseling Theory & Methods	3 hrs.
*An internship is highly recommended for the Human Services track.	
Total hours	30 hrs.

Students must earn a C or better in the required methods and theory courses and maintain a C average or better in overall courses used to satisfy the major. Students must also submit a learning portfolio (deemed satisfactory by the Major Advisor), during their senior year.

In order to graduate with Honors in Sociology, a student must graduate with a 3.5 GPA or higher in courses taken for the major, and write an honors thesis with a grade of B or better or present their sociological work in the Undergraduate Scholars Forum, a conference, a publication, or other approved venue.

Requirements for the Minor in Sociology:

Required Courses (9 hrs.):

SOC 111 Introduction to Sociology	3 hrs.
ANT 115 Introduction to Cultural Anthropology	3 hrs.
SOC 360 Sociological Theory	3 hrs.

Elective Courses (9 hrs.):

Choose three of the following, or other SOC courses offered at the 300 level:	
SOC 315 Gender & Society	3 hrs.
SOC 332 Prisons & Social Control	3 hrs.
SOC 363 Deviance	3 hrs.
SOC 3xx Race & Ethnicity	3 hrs.
SOC 3xx Nationalism, Migration & Citizenship	3 hrs.
SOC 3xx Sociology of Mental Illness	3 hrs.
PSY 310 Social Psychology	3 hrs.

Total hours 18 hrs.

SPANISH MAJOR AND MINOR

Assistant Professor: E. Salas-Durazo
 Visiting Instructor: R. Morales

Contact: Dr. Enrique Salas-Durazo
 Phone: (573) 592-5267
 Email: Enrique.Salas-Durazo@westminster-mo.edu

The Department of Foreign Language and Literature offers major and minor programs of study in Spanish as well as supporting course work for the College’s general education program and majors in International Business, International Studies, and Transnational Studies. The programs of the Department develop speaking, reading, writing, and listening proficiency in Spanish at the beginning, intermediate, and advanced levels as well as an appreciation of the literature and cultures of the people who speak this language. In addition to the practical application of such acquired skills and knowledge to professional fields such as education, business, and science, it is believed that students will gain insight into their own language and culture through firsthand knowledge of another people’s means of expression and cultural heritage.

Regular work in the development of audio-lingual skills is required of first-year students. A student wishing to major or minor in Spanish should consult Dr. Salas-Durazo. It is possible to major in a language without having studied it in high school.

Requirements for the Major in Spanish:

Required Courses: (18 hrs.)

SPA 303 Advanced Spanish Conversation	3 hrs.
SPA 351 Introduction to Spanish Literature	3 hrs.
SPA 353 19 th and 20 th Century Latin American Lit.	3 hrs.
SPA 377 Spanish Civilization	3 hrs.
SPA 378 Latin American Civilization	3 hrs.
SPA 381 Advanced Grammar and Composition	3 hrs.

Elective Courses: (12 hrs.)

Four from the following list

SPA 203 Intermediate Spanish I	3 hrs.
SPA 204 Intermediate Spanish II	3 hrs.
SPA 210 Intermediate Spanish Conversation	3 hrs.
SPA 220 Intermediate Spanish Grammar & Comp.	3 hrs.
SPA 305 Commercial Spanish	3 hrs.
SPA 310 Special Topics in Literature	3 hrs.
SPA 363 Spanish-American Novel	3 hrs.

Total Hours for Spanish Major: 30 hrs.

Requirements for the Major in Spanish with a Concentration in Translation:

Required Courses: (21 hrs.)

SPA 303 Advanced Spanish Conversation	3 hrs.
SPA 351 Intro to Spanish Literature	3 hrs.
OR SPA 353 19 th and 20 th Century Latin Am. Lit.	3 hrs.
SPA 377 Spanish Civilization	3 hrs.
OR SPA 378 Latin American Civilization	3 hrs.
SPA 381 Grammar and Composition	3 hrs.
SPA 300 Translation I (Spanish-English)	3 hrs.
SPA 300 Translation II (Spanish-English)	3 hrs.
SPA 399 Translation III (Capstone Project)	3 hrs.

Elective Courses: (9 hrs.)

Three from the following list

SPA 203 Intermediate Spanish I	3 hrs.
SPA 204 Intermediate Spanish II	3 hrs.
SPA 305 Commercial Spanish I	3 hrs.
SPA 300 Commercial Spanish II	3 hrs.
SPA 310 Special Topics in Literature	3 hrs.
SPA 363 Spanish-American Novel	3 hrs.

Total Hours for Spanish Major (Translation Concentration): 30 hrs.

The 30 hours required of a major exclude SPA 101 and 102. The four electives for the Major in Spanish can include a maximum of two 200-level courses (6 credits). Majors must earn a grade of C or better in all Spanish courses needed to satisfy major requirements. Native, near-native, or heritage speakers of Spanish need to take a total of 30 credits.

Students are encouraged to participate in an approved off-campus program in a country where Spanish is spoken.

Students who intend to become language teachers or to do graduate work in Spanish or related fields are urged to complete course work through the intermediate level in a second foreign language.

To graduate with Honors in Spanish, a student must: (1) complete five upper-level Spanish courses, four of which must be literature courses, with at least a 3.6 grade average; (2) complete SPA 425 Senior Honors Thesis/Project with a grade of A; (3) have at least a 3.2 overall GPA.

Requirements for the Minor in Spanish:

Required Courses: (12 hrs.)

SPA 381 Advanced Grammar and Composition	3 hrs.
Conversation requirement:	3 hrs.
SPA 210 Intermediate Spanish Conversation OR SPA 303 Advanced Spanish Conversation	
Civilization requirement:	3 hrs.
SPA 378 Latin American Civilization OR SPA 377 Spanish Civilization	
Literature requirement:	3 hrs.
SPA 351 Intro. to Spanish Literature OR SPA 353 19 th and 20 th Century Latin American Lit.	

Elective Courses: (9 hrs.)

Three courses from the following

SPA 203 Intermediate Spanish I	3 hrs.
SPA 204 Intermediate Spanish II	3 hrs.
SPA 220 Intermediate Spanish Grammar & Comp.	3 hrs.
SPA 305 Commercial Spanish	3 hrs.
SPA 310 Special Topics in Literature	3 hrs.
SPA 363 Spanish American Novel	3 hrs.

Total Hours for Spanish Minor 21 hrs.

The 21 hours of a minor exclude SPA 101 and 102. Only two 200-level courses (six credits) count towards the minor (for example, a combination of 203 and 204). Minors must earn a grade of C or better in all Spanish courses needed to satisfy minor requirements. Native, near-native, and heritage speakers of Spanish need 21 credits in order to complete the minor.

SPORTS MANAGEMENT MAJOR

Contact: Bill Carner

Phone: (573) 592-5046

Email: William.Carner@westminster-mo.edu

The Sports Management Major will give the student a broad understanding of sport from participant's perspective and provide the necessary tools for a successful sports business enterprise at the collegiate level, and all levels of professional sports. Coursework will focus on principles and best practices which will be implemented through an internship.

Requirements for the Major in Sports Management

ACC 215 Principles of Financial Accounting	3 hrs.
BUS 220 Fundamentals of Management	3 hrs.
BUS 250 Principles of Marketing	3 hrs.
FIN 318 Corporate Financial Management	3 hrs.
HES 220 Social Science in Sport	2 hrs.
HES/PSY 231 Sport Psychology	3 hrs.
HES/BUS 315 Sports Management	3 hrs.
HES 406 Intro. to Management in PE and Athletics	2 hrs.

ITY 250 Web Page Design, Aesthetics, and Interaction	3 hrs.
SPE 101 Introduction to Speech Communication or	
SPE 203 Interpersonal Communication	3 hrs.
HES/PED/BUS 399 Internship	3 hrs.
Choose one from the following	3 hrs.
BUS 330 Advertising	
BUS 334 Consumer Behavior	
BUS 300 E-Commerce	
Choose one from the following	3 hrs.
BUS 223 Business Law	
BUS 326 Human Resource Management	
BUS 337 Labor Relations	
ECN 300 Sports Economics	
Total hours	37 hrs.

SPORTS AND ENTERTAINMENT BUSINESS MANAGEMENT MAJOR

Contact: Jack Croghan
 Phone: (573) 592-5296
 Email: Jack.Croghan@westminster-mo.edu

The Sports and Entertainment Business Management major equips students with the knowledge and skills to pursue careers in sports (including professional teams and arts) industries. Students learn how to manage and lead sports and entertainment organizations with an emphasis on entrepreneurial thinking and leadership. Further, this program recognizes that, in many cases, sports and entertainment events are directly linked to tourism (visitor delivery), economic impact and even community economic development. The new program also prepares students to pursue opportunities with Sports Commissions.

Requirements for the Major in Sports Management

Required Courses

BUS 220 Fundamentals of Management	3 hrs.
BUS 250 Principles of Marketing	3 hrs.
BUS 315 Sports Management	3 hrs.
BUS 318 Corporate Financial Management	3 hrs.
ACC 215 Principles of Financial Accounting	3 hrs.
ACC 216 Principles of Managerial Accounting	3 hrs.
BUS 399 Sports and Entertainment Internship	3 hrs.
BUS 400 Sports & Enter. Business Policy (Capstone)	3 hrs.
ECN 211 Principles of Macroeconomics	3 hrs.
ECN 212 Principles for Microeconomics	3 hrs.
MAT 114 Elementary Statistics	3 hrs.
OR ECN 235 Research Methods in Econ & Business	3 hrs.
MAT 122 Business Calculus	3 hrs.
OR MAT 124 Calculus I	5 hrs.
BUS 327 Operations Management	3 hrs.
OR MIS 360 Decision Science	3 hrs.
OR ECN 351 Managerial Economics	3 hrs.
	39-41 hrs.

Sports and Entertainment Electives

Choose 3 of the following	
BUS 328 Managerial Finance	3 hrs.
BUS 300 Sports Business Finance	3 hrs.
BUS 300 Sports Entertainment Facility Management	3 hrs.
BUS 300 Sports & Entertainment Marketing	3 hrs.
BUS 300 Booking and Presenting Live Entertainment	3 hrs.

ECN 362 Sports Economics	3 hrs.
Choose one class from the BUS, ECN, ACC, or MIS department not otherwise required for the major	3 hrs.
Speech Class	
SPE 101 Introduction to Speech Communication	3 hrs.
OR SPE 203 Interpersonal Communication	3 hrs.
	15 hrs.
Total Hours for the Sports and Entertainment Management Major	54-56 hrs.

TRANSNATIONAL STUDIES MAJOR

Professors: K. Jefferson (Chair)
 Assistant Professors: J. Straughn

Contact: Professor Kurt Jefferson
 Phone: (573) 592-5266
 Email: Kurt.Jefferson@westminster-mo.edu

Requirements for the Major in Transnational Studies

INT/TNS 201 Introduction to International/Transnational Studies	3 hrs.
INT/TNS 401 Junior-Senior Seminar in International And Transnational Studies	3 hrs.
INT/TNS 402 International/Transnational Studies Senior Thesis I (optional)*	3 hrs.
INT/TNS 403 International/Transnational Studies Senior Thesis II (optional)*	3 hrs.
FLG 102 Second semester of a foreign language (same language as first semester language)	4 hrs.

Global Economic Development

At least one course from the following list:	
ECN 211 Principles of Macroeconomics	3 hrs.
ECN 212 Principles for Microeconomics	3 hrs.
ECN 331 Intermediate Macroeconomic Theory	3 hrs.
ECN 334 Economic Development	3 hrs.
ECN 310 International Trade and Finance	3 hrs.
BUS 340 International Business	3 hrs.
TNS 300 Global Inequality	3 hrs.

Environment and Health

At least one course from the following list:	
BIO 320 and BIO 321 Biology in Belize	4 hrs.
GEO 320/321 Geology and Environment of the National Parks Seminar	4 hrs.
ENV 105 Introduction to Environmental Sciences	3 hrs.
POL 326 Environmental Politics and Policy	3 hrs.
REL 324 Religion & the Environment	3 hrs.
ECN 300 Environmental Economics	3 hrs.
PHL 246 Environmental Ethics	3 hrs.
PSY 405 International and Cross-Cultural Psychology	3 hrs.
WGS/HES 355 Women's Health Issues	3 hrs.
TNS 240 Intro to Global Health	3 hrs.

Global Justice and Human Rights

At least one course from the following list:

EDU 385 Diversity in Education	3 hrs.
ITS 399 Global Human Rights Internship	3 hrs.
HIS 327 Nazi Germany	3 hrs.
PHL 244 Business Ethics	3 hrs.
POL 305 International Law and Organization	3 hrs.
WGS 210 Introduction to Women's Studies	3 hrs.
TNS 300 Human Rights and Security	3 hrs.

International Relations and Diplomacy

At least one course from the following list:

HIS 300 Modern Middle East	3 hrs.
HIS 330 World War I	3 hrs.
HIS 348 History of American Foreign Relations	3 hrs.
HIS 350 The Vietnam Wars	3 hrs.
INT 210 Model United Nations	2 hrs.
INT 212 Model UN Team	2 hrs.
INT 214 Model UN Practicum (mentoring)	1 hr.
POL 212 Introduction to International Politics	3 hrs.
POL 306 West European Government and Politics	3 hrs.
POL 362 American Foreign Policy	3 hrs.
SEC 201 Introduction to Security Studies	3 hrs.
TNS 300 Politics and Security of Developing Nations	3 hrs.
TNS 100 Making Sense of Study Abroad	1 hr.

Global Cultures

At least one course from the following list:

PHL/REL 102 World Religions	3 hrs.
ASN 201 Asian Studies	3 hrs.
ENG 300 Booker Prize Fiction Writing	3 hrs.
ENG 345 African Diaspora	3 hrs.
HIS 300 Africa & Decolonization	3 hrs.
HIS 323 Europe Since 1945	3 hrs.
HUM 278 Latin American Civilization	3 hrs.
HUM 294 Introduction to the French-Speaking World	3 hrs.
FRE 362 Francophone Civilizations	3 hrs.
POL 300 Middle Eastern Politics	3 hrs.
ANT 115 Introduction to Cultural Anthropology	3 hrs.
PSY 405 International and Cross Cultural Psychology	3 hrs.
HUM 277 Spanish Civilization	3 hrs.
GOG 101 Introduction to Geography	3 hrs.
ENG 330 Visions & Revisions: Colonial and Post-Colonial Literature	3 hrs.
PHL 333 Asian Philosophy & Religion	3 hrs.
TNS 300 Memory and Culture in Global Perspective	3 hrs.
TNS 300 Race and Ethnicity	3 hrs.

Total Hours Required 36-39 hrs.

Other Requirements for the major in Transnational Studies:

Students must complete the first year of language instruction (both semesters in the same language) or demonstrate equivalent proficiency.

- Five additional courses, two of which must be in one category 15 hrs.
- At least 24 hours must be upper-level (300 or higher).

All major must have an overall 2.0 average or better in all courses presented to satisfy the major requirements.

*Students with a cumulative GPA of 3.30 or higher may elect to write a senior thesis for honors recognition. "Graduated with Honors" will be noted on their transcript provided they complete the thesis with a grade of B or better. Students writing a thesis will complete TNS 401 (Senior Seminar) and TNS 402 (Senior Thesis) and/or TNS 403 (an optional second semester of writing the Senior Thesis per agreement with the thesis director and TNS major program chair) during their junior and/or senior year.

All students are required to present a portfolio of their work, containing at least three papers or comparable projects submitted for courses in the major as well as a reflective piece on how the student has integrated the different components of the major. One paper or project must be from the Senior Seminar, and another must be from an upper-level course. The portfolio will be part of the senior seminar, INT/TNS 401.

Students may substitute experimental courses numbered 200 or 300 for the electives listed above with permission of the program coordinator.

UNITED STATES HISTORY MINOR

Contact: Cinnamon Brown

Phone: 573-592-5271

Email: Cinnamon.Brown@westminster-mo.edu

Offered through the Department of History, this minor program of study introduces students to the scope and nature of historical evaluation, focusing on the example of U.S. history.

Requirements for the Minor in United States History:

HIS 103 U.S. History to 1877	3 hrs.
HIS 104 U.S. History since 1877	3 hrs.
HIS 390 Historiography	3 hrs.
Three upper level U.S. history courses	9 hrs.
Total hours	18 hrs.

WOMEN'S AND GENDER STUDIES MINOR

Contact: Dr. Cinnamon Brown

Phone: (573) 592-5271

Email: Cinnamon.Brown@westminster-mo.edu

The interdisciplinary minor in Women's and Gender Studies enables students to gain insights into the influence of gender on all forms of human endeavor. The program may be tailored to complement the student's major area of specialization, thus providing new perspectives on traditional academic disciplines and encouraging interdisciplinary comparisons.

Requirements for the Minor in Women's and Gender Studies

Required courses: (6 hrs.)

WGS 210 Introduction to Women's Studies	3 hrs.
WGS 410 Theory and Practice	3 hrs.

(An approved internship may satisfy this requirement.)

Electives:

Four courses from the list below. One course must focus primarily on Women's Issues (W) and one course must focus primarily on

Gender Issues (G). Nine hours must be selected from upper-level courses.

ENG 340 Gender and Literary Expression (G)	3 hrs.
WGS/HIS 354 Scandalous Women in History (W)	3 hrs.
WGS/LST 205 Mediation and Conflict Resolution	3 hrs.
WGS/PSY 301 Human Sexual Behavior (G)	3 hrs.
WGS/PED 355 Women's Health Issues (W)	3 hrs.
WGS/POL 300 Women and Politics	3 hrs.
WGS/REL 335 Sex & Gender in the Christian Tradition	3 hrs.
WGS/SOC 315 Gender and Society (G)	3 hrs.
SPE 203 Interpersonal Communication (G)	3 hrs.
SPE 303 Communication in Relationships (G)	3 hrs.

Total Hours Required 18 hrs.

With approval of the minor program coordinator, students may substitute another course in which gender or women's issues constitute a significant component.

Students who have taken Introduction to Women's Studies may complete the minor by taking one course from the electives list and

participating in an approved off-campus experience of at least twelve credit hours that includes an internship.

No more than two courses in the minor may come from any single department and no more than two may be applied to another major or minor. These restrictions apply to all courses, including internships, special topics and independent study.

RESERVE OFFICERS' TRAINING CORPS (ROTC)

Westminster students participating in the Army ROTC or Air Force ROTC program may take courses on the campus of the University of Missouri-Columbia.

Contact:

ARMY

Sergeant First Class Joe Pounds
Army National Guard Recruiter
University of Missouri-Columbia
202 Crowder Hall
(573) 882-7721
ArmyROTC@missouri.edu
Website: <http://armyrotc.missouri.edu/>

U.S. AIR FORCE

Lieutenant Colonel Brent Unger
Recruiting Flight Commander
University of Missouri-Columbia
217 Crowder Hall
Columbia, MO 65211-4110
Phone: 573-882-7621
umcasafrotc@missouri.edu
Website: <http://airforce.missouri.edu/>

CERTIFICATES

DIPLOMACY

Contact: Tobias Gibson
Phone: 573-592-5185
Email: Tobias.Gibson@westminster-mo.edu

The diplomacy certificate allows students to develop in-depth expertise in the increasingly important field of terrorism. Taken together, the classes offer students the opportunity to accumulate a great deal of knowledge about international relations and diplomacy, both from United States-centric and global contexts. Students will be able to articulate orally and in written word the skills necessary to understand diplomacy.

Requirements for the Certificate in Diplomacy:

Choose 4 of the following courses	
HIS 300 US Foreign Policy in the Middle East	3 hrs.
HIS 348 History of American Foreign Relations	3 hrs.
INT/TNS 210; INT/TNS 214 – Model United Nations	3 hrs.
POL 305 International Law and Organizations	3 hrs.
POL 362 American Foreign Policy	3 hrs.

Total hours 12 hrs.

FRENCH COMMUNICATION

Contact: Dr. Ingrid Ilinca

Phone: (573) 592-5323

Email: Ingrid.Ilinca@westminster-mo.edu

This is a pragmatic track that prepares the students for effective communication in speaking and writing at upper-intermediate to advanced level. Students learn how to apply their linguistic skills in the field of translation and in a capstone project or in a 5000-word research conducted in French. The capstone project can take many forms, from an internship, a study abroad experience, to the translation of an article in a field chosen by the student in consultation with the advisor. If the student writes a senior thesis in his or her major, he / she has the option to write a short version of the paper in French or can translate it into French.

Requirements for the Certificate in French Communication:

Required Courses:	
FRE 300 Intro to Translation I	3 hrs.
FRE 303 Advanced Conversation	3 hrs.
FRE 306 Grammar and Composition	3 hrs.
Elective:	
FRE 399 Capstone Project	3 hrs.
OR one course from this list:	
FRE 305 Commercial French	3 hrs.
FRE 358 The Individual in Society	3 hrs.
FRE 359 The Individual in Society II	3 hrs.
FRE 360 Literary Moments and Movements	3 hrs.
FRE 361 Topics in Literature and Culture	3 hrs.
FRE 362 The Francophone World	3 hrs.
FRE 363 French Civilization	3 hrs.

Total hours 12 hrs.

FRENCH FOR BUSINESS

Contact: Dr. Ingrid Ilinca

Phone: (573) 592-5323

Email: Ingrid.Ilinca@westminster-mo.edu

In this program, students will be introduced to the communication practices in business, commerce, and related fields. They will become acquainted with specialized vocabulary and norms of professional

correspondence. The capstone project needs to be decided in consultation with the advisor.

Requirements for the Certificate in French for Business:

FRE 305 Commercial French I	3 hrs.
FRE 3xx Commercial French II	3 hrs.
FRE 306 Grammar and Composition	3 hrs.
FRE 399 Capstone Project	3 hrs.
Total hours	12 hrs.

FRENCH LANGUAGE

Contact: Dr. Ingrid Ilinca
 Phone: (573) 592-5323
 Email: Ingrid.Ilinca@westminster-mo.edu

Students who want to take the study of languages to the next level can complete this certificate of proficiency at intermediate level. This Certificate in French language focuses on students' communicative skills at intermediate level and their ability to apply such skills in real-life situations.

Requirements for the Certificate in French Language:

FRE 203 Intermediate French I	3 hrs.
FRE 204 Intermediate French II	3 hrs.
FRE 303 Advanced Conversation	3 hrs.
FRE 306 Grammar and Composition	3 hrs.
Total hours	12 hrs.

GLOBAL LITERACY

Contact: Professor Kurt Jefferson
 Phone: (573) 592-5266
 Email: Kurt.Jefferson@westminster-mo.edu

Description: This certificate will allow Westminster graduates to show employers that they are certified in 'global literacy.' Graduates possessing this certificate will join for-profit and non-profit organizations and utilize this certification to assist colleagues and the organization's leadership in making the organization more aware of global and multicultural issues (applying 'inclusive excellence.') This certificate will also allow the graduate to assist organizations in global leadership and logistics in international public and private settings.

Requirements for the Certificate in Global Literacy:

FLG 101 First Semester of a Foreign Language	3 hrs.
Two 300-level Courses from two of the following groups in the Transnational Studies major	6 hrs.
Environment and Health	
BIO 320/321 Biology in Belize	3 hrs
GEO 320/321 Geology and Environment of the National Parks Seminar	4 hrs.
ENV 105 Introduction to Environmental Sciences	3 hrs.
POL 326 Environmental Politics and Policy	3 hrs.
REL 324 Religion & the Environment	3 hrs.
ECN 300 Environmental Economics	3 hrs.
PHL 246 Environmental Ethics	3 hrs.
PSY 405 International and Cross-Cultural Psych	3 hrs.

WGS/HES 355 Women's Health Issues	3 hrs.
TNS 240 Intro to Global Health	3 hrs.
Global Economic Development	
ECN 211 Principles of Macroeconomics	3 hrs.
ECN 212 Principles for Microeconomics	3 hrs.
ECN 331 Intermediate Macroeconomic Theory	3 hrs.
ECN 334 Economic Development	3 hrs.
ECN 310 International Trade and Finance	3 hrs.
BUS 340 International Business	3 hrs.
TNS 300 Global Inequality	3 hrs.
Global Justice and Human Rights	
EDU 385 Diversity in Education	3 hrs.
ITS 399 Global Human Rights Internship	3 hrs.
HIS 327 Nazi Germany	3 hrs.
PHL 244 Business Ethics	3 hrs.
POL 305 International Law and Organization	3 hrs.
WGS 210 Introduction to Women's Studies	3 hrs.
TNS 300 Human Rights and Security	3 hrs.
International Relations and Diplomacy	
HIS 300 Modern Middle East	3 hrs.
HIS 330 World War I	3 hrs.
HIS 348 History of American Foreign Relations	3 hrs.
HIS 350 The Vietnam Wars	3 hrs.
INT 210 Model United Nations	2 hrs.
INT 212 Model UN Team	2 hrs.
INT 214 Model UN Practicum (mentoring)	1 hr.
POL 212 Introduction to International Politics	3 hrs.
POL 306 West European Government and Politics	3 hrs.
POL 362 American Foreign Policy	3 hrs.
SEC 201 Introduction to Security Studies	3 hrs.
TNS 300 Politics & Security of Developing Nations	3 hrs.
TNS 100 Making Sense of Study Abroad	1 hr.
Global Cultures	
PHL/REL 102 World Religions	3 hrs.
ASN 201 Asian Studies	3 hrs.
ENG 300 Booker Prize Fiction Writing	3 hrs.
ENG 345 African Diaspora	3 hrs.
HIS 300 Africa & Decolonization	3 hrs.
HIS 323 Europe Since 1945	3 hrs.
HUM 278 Latin American Civilization	3 hrs.
HUM 294 Intro to the French-Speaking World	3 hrs.
FRE 362 Francophone Civilizations	3 hrs.
POL 300 Middle Eastern Politics	3 hrs.
ANT 115 Introduction to Cultural Anthropology	3 hrs.
PSY 405 International and Cross Cultural Psych	3 hrs.
HUM 277 Spanish Civilization	3 hrs.
GOG 101 Introduction to Geography	3 hrs.
ENG 330 Visions & Revisions: Colonial and Post-Colonial Literature	3 hrs.
PHL 333 Asian Philosophy & Religion	3 hrs.
TNS 300 Memory & Culture in Global Perspective	3 hrs.
TNS 300 Race and Ethnicity	3 hrs.

Depth Course: an upper-level integrative TNS course that meets the program chair's approval 3 hrs.

Total hours 12 hrs.

HOMELAND SECURITY

Contact: Tobias Gibson
 Phone: 573-592-5185

Email: Tobias.Gibson@westminster-mo.edu

The student who completes the Homeland Security certificate will have a strong background in understanding and analyzing current and future homeland security threats, and have developed necessary understanding of legal and policy processes regarding homeland security. By virtue of this certificate staffing, the student will also have had the opportunity to develop a network into Missouri's homeland security personnel and agencies. Finally, the student will have spent considerable time developing the ability to communicate orally and in writing, and have experience briefing policy makers.

Requirements for the Certificate in Homeland Security:

Complete four of the following courses:	
SEC 2xx Introduction to Homeland Security	3 hrs.
SEC 325 Issues in Homeland Security	3 hrs.
SEC 3xx Domestic Terrorism	3 hrs.
SEC 3xx Law and Homeland Security	3 hrs.
SEC 3xx Homeland Security Policy and Politics	3 hrs.
Total hours	12 hrs.

MUSEUM STUDIES

A certificate in Museum Studies will introduce students to the theory and practice of museum studies and will provide them with a unique set of practical and vocational skills. The program aims to give them the necessary preliminary training for a career in a museum or public history environment. Among the skills they can learn are how to collect, handle, and preserve artifacts and how to interpret material culture for a museum audience. In addition, students will develop some awareness of the theoretical and practical issues involved in running a museum, such as how to set up exhibits, how to run educational and public outreach programs, how to raise funds, and how to keep records.

Contact: Dr. Cinnamon Brown
Phone: (573) 592-5271
Email: Cinnamon.Brown@westminster-mo.edu

Requirements for the Certificate in Museum Studies:

Required Courses:	
MSM 200 Intro to Museum Studies	3 hrs.
MSM 300 Museum Internship	3 hrs.
Two of the following courses:	
ACC 307 Government and Non-Profit Accounting	3 hrs.
FAR 310 The Art of Service	3 hrs.
HIS 300 Oral History	3 hrs.
HIS 390 Historiography	3 hrs.
MSM 300 Independent Study in Museum Studies	3 hrs.
MSM 300 Museums and Society	3 hrs.
MSM 300 Museums and Education	3 hrs.
MSM 300 Museums and Collections	3 hrs.
SPE 310 Business and Professional Communication	3 hrs.
Total hours	12 hrs.

NATIONAL SECURITY LAW

The National Security Law certificate allow students to develop in-depth expertise in the increasingly important field of national security

law. Taken together, the classes offer students the opportunity to accumulate a great deal of knowledge about international law (treaties; Geneva Conventions; United Nations policy; human rights law; laws of armed conflict) and national and homeland security law (Fourth Amendment issues; *Posse Comitatus*; legal institutions). The students will be able to articulate orally and in writing about the pressing legal issues domestically and internationally related to security issues.

Contact: Tobias Gibson
Phone: 573-592-5185
Email: Tobias.Gibson@westminster-mo.edu

Requirements for the Certificate in National Security Law:

Select four of the courses below:	
POL 305 International Law and Organizations	3 hrs.
POL 314 Constitutional Law	3 hrs.
POL 332 National Security Law I	3 hrs.
POL 333 National Security Law II	3 hrs.
SEC 3xx Law and Homeland Security	3 hrs.
Total hours	12 hrs.

NON-PROFIT MANAGEMENT

The coursework is specifically chosen to enhance student knowledge and leverage student managerial skills in today's challenging nonprofit environment.

Contact: Dr. Robert Eames
Phone: (573) 592-5207
Email: Robert.Eames2@westminster-mo.edu

Requirements for the Certificate in Non-Profit Management:

BUS 220 Fundamentals of Management	3 hrs.
BUS 322 Cross-Cultural Management	3 hrs.
BUS 326 Human Resource Management	3 hrs.
BUS 353 Nonprofit Management	3 hrs.
Total hours	12 hrs.

SPANISH COMMUNICATION

This is a pragmatic track that prepares the students for effective communication in speaking and writing. Students learn how to apply their linguistic skills in the field of translation and in a capstone project or in a 5000-word research project. The capstone project can take many forms, from an approved internship, a study abroad experience, to the translation of an article in a field chosen by the student in consultation with the advisor. If the student writes a senior thesis in his or her major, he / she has the option to write a short version of the paper in Spanish or can translate it in Spanish, depending upon the complexity of the project.

Contact: Dr. Ingrid Ilinca
Phone: (573) 592-5323
Email: Ingrid.Ilinca@westminster-mo.edu

Requirements for the Certificate in Spanish Communication:

Required Courses:	
SPA 300 Translation I (Spanish-English)	3 hrs.

SPA 303 Advanced Conversation	3 hrs.
SPA 381 Grammar and Composition	3 hrs.
Select one course from the list below:	
SPA 399 Capstone Project	3 hrs.
OR one of the following with a research project:	
SPA 305 Commercial Spanish	3 hrs.
SPA 310 Special Topics in Literature	3 hrs.
SPA 351 Intro to Spanish Literature	3 hrs.
SPA 353 19th and 20th Century Latin American Lit.	3 hrs.
SPA 363 Spanish-American Novel	3 hrs.
SPA 377 Spanish Civilization	3 hrs.
SPA 378 Latin-American Civilization	3 hrs.
Total hours	12 hrs.

SPANISH FOR BUSINESS

Contact: Dr. Ingrid Ilinca
 Phone: (573) 592-5323
 Email: Ingrid.Ilinca@westminster-mo.edu

In this program, students will be introduced to the communication practices in business, commerce, and related fields. They will become acquainted with specialized vocabulary and norms of professional correspondence. The capstone project needs to be decided in consultation with the advisor.

Requirements for the Certificate in Spanish for Business:

SPA 305 Commercial Spanish I	3 hrs.
SPA 300 Commercial Spanish II	3 hrs.
SPA 381 Grammar and Composition	3 hrs.
SPA 399 Capstone Project	3 hrs.
Total hours	12 hrs.

SPANISH LANGUAGE

Contact: Dr. Ingrid Ilinca
 Phone: (573) 592-5323
 Email: Ingrid.Ilinca@westminster-mo.edu

Students who want to take the study of languages to the next level can complete this certificate of proficiency that focuses on students' communicative skills and their ability to apply such skills in real-life situations.

Requirements for the Certificate in Spanish Language:

SPA 203 Intermediate Spanish I	3 hrs.
SPA 204 Intermediate Spanish II	3 hrs.
SPA 303 Advanced Conversation	3 hrs.
SPA 381 Grammar and Conversation	3 hrs.
Total hours	12 hrs.

TERRORISM

Contact: Tobias Gibson
 Phone: 573-592-5185
 Email: Tobias.Gibson@westminster-mo.edu

Students will develop in-depth expertise in the history, causes, limits, and means of countering terrorism. Taken together, the classes offer

students the opportunity to explore terrorism globally and domestically. Students will learn to think critically about the popular understandings of terrorism. Finally, the students will be able to articulate orally and in writing about the roots of terrorism, types of terrorism, and the real and imagined impacts of terrorism. This certificate can augment students with majors in any of the College divisions. Examples include: Humanities; understanding the religious and historical contexts of terrorism; Natural and Mathematical Sciences: understanding issues surrounding cyberterrorism and terrorist attacks with biological agents; Social Sciences: counterterrorism policy; economic impact of terrorism.

Requirements for the Certificate in Terrorism:

Complete four of the following courses:	
HIS 300 Modern Middle East	3 hrs.
REL 346 Religion and Violence	3 hrs.
SEC 3xx Domestic Terrorism	3 hrs.
SEC 312 Terrorism	3 hrs.
SEC/TNS 300 Transnational Crime	3 hrs.
Total hours	12 hrs.

TRANSLATION (FRENCH TO ENGLISH)

Contact: Dr. Ingrid Ilinca
 Phone: (573) 592-5323
 Email: Ingrid.Ilinca@westminster-mo.edu

In this program, students are introduced to foundational concepts of linguistics that facilitate the work of a translator. Such concepts are used when studying the theory and practice of translation. Through various translating exercises, the students have the opportunity to review and consolidate their French grammar and vocabulary. The translation techniques acquired in this program will be applied to a field chosen by the student in consultation with the advisor (the capstone project).

Requirements for the Certificate in French to English Translation:

FRE 300 Translation I	3 hrs.
FRE 300 Translation II	3 hrs.
FRE 306 Grammar and Composition	3 hrs.
FRE 399 Translation III (Capstone Project)	3 hrs.
Total hours	12 hrs.

TRANSLATION (SPANISH TO ENGLISH)

Contact: Dr. Ingrid Ilinca
 Phone: (573) 592-5323
 Email: Ingrid.Ilinca@westminster-mo.edu

In this program, students are introduced to foundational concepts of linguistics that facilitate the work of a translator. Such concepts are used when studying the theory and practice of translation. Through various translating exercises, the students have the opportunity to review and consolidate their grammar and vocabulary in the foreign language. The translation techniques acquired in this program will be applied to a field chosen by the student in consultation with the advisor (the capstone project).

Prerequisite: SPA 204, Intermediate Spanish II

Requirements for the Certificate in Spanish to English Translation:

SPA 300 Translation I	3 hrs.
SPA 300 Translation II	3 hrs.
SPA 381 Grammar and Composition	3 hrs.
SPA 399 Translation III	3 hrs.
Total hours	12 hrs.

WOMEN AND GENDER STUDIES

Contact: Dr. Cinnamon Brown
Phone: (573) 592-5271
Email: Cinnamon.Brown@westminster-mo.edu

A certificate in Women and Gender Studies is interdisciplinary in nature and enables students to gain insights into the influence of gender on all forms of human endeavor. Since students can take a variety of courses to complete the certificate, students can tailor the program to complement their major area of specialization, thus

providing new perspectives on traditional academic disciplines and encouraging interdisciplinary comparisons.

Requirements for the Certificate in Women and Gender Studies:

WGS 210 Introduction to Women's Studies	3 hrs.
WGS 300 Approved Off-Campus Internship or Remley Women Advocate Internship	3 hrs.
WGS/SOC 315 Gender and Society	3 hrs.
One of the following:	
ENG 340 Gender and Literary Expression	3 hrs.
WGS/HIS 354 Scandalous Women in History	3 hrs.
WGS/PSY 301 Human Sexual Behavior	3 hrs.
WGS/HES 355 Women's Health Issues	3 hrs.
WGS/POL 340 Women in Politics	3 hrs.
WGS/REL 335 Sex and Gender in Christian Tradition	3 hrs.
Total hours	12 hrs.