



Self-Designed Majors & Minors



2016-17

SELF-DESIGNED COURSE OF STUDY

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 or Minor allows a student to design a personalized program drawing upon the strengths of several disciplines and departments. When the Self-Designed Major or Minor is approved, completion will satisfy the general degree requirement for a major or minor. All other degree requirements must also be fulfilled.

The members of a student's Self-Designed Major or Self-Designed Minor Committee and the Assistant Dean for Student Academic Success must approve the major or minor description and the list of courses for the major or minor. Any changes to the Self-Designed Major or Minor must be approved by the student's committee and the Assistant Dean for Student Academic Success. Upon satisfactory completion of the work prescribed in a student's plan, the student will be certified as having met the graduation requirement for a major.

To complete an individualized degree program through the Self-Designed Major and 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 the major under the Self-Designed Major program or for a minor under the Self-Designed Minor program. One of the members of the committee must be designated as the student's primary advisor. The proposal should consist of a general description of and justification for the self-designed major or minor, list specific courses to be taken, and indicate the semester in which each of the courses will be taken. Self-Designed Majors must contain a minimum of 32 credit hours, and at least 15 credits of upper-level courses must be included. Additionally, all Self-Designed Majors must have a capstone experience (e.g. a course, a concluding research project, an internship). Self-Designed Minors must contain at least 15 credits, and at least $\frac{1}{2}$ of credits for minors must come from upper-level courses. Courses transferred from other institutions may be used to satisfy the requirements of Self-Designed Majors and Minors, with the permission of the student's committee.

Generally, a student will begin work under the Self-Designed Major or Minor 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 Assistant Dean for Student Academic Success. 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.

Self-Designed majors and minors may also be created through a joint program with William Woods University. Working with WWU expands the range of options for a student, so students are encouraged to study the list of academic programs on both campuses as they design their major or minor. The faculty advisor must be a Westminster faculty member, and the other faculty member of the committee must be a member of the WWU faculty. At least half of the courses must be taken at Westminster. Preferential registration (registering after WWU current students but before incoming students) will be given to

students with an approved course of study. No additional tuition is required; course fees must be paid directly to WWU.

Forms are available in the Registrar's Office. For more information about the Self-Designed Major or Self-Designed Minor, contact:

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Contents

Allied Health Studies.....	9
Applied Science Entrepreneurship	10
Art and Environment	11
Biological Psychology.....	12
Biological Psychology.....	13
Biomedical Ethics.....	14
Biomedical Psychology (Biochemistry Emphasis).....	15
Business and Communications and Sports Management Emphasis Major	16
Business and Leadership.....	17
Business and Leadership.....	18
Business Leadership.....	19
Business Leadership.....	20
Business Management and Human Development	21
Business Relations	23
Chemical Informatics	24
Classical Studies.....	25
Classics with a Latin Emphasis	26
Classics with a Latin Emphasis	27
Cognitive Neuroscience	28
Communication	29
Communications and Media Studies.....	30
Communications with Emphasis in Languages and Culture	31
Conservation Biology.....	32
Conservation Biology.....	33
Criminal Justice	34
Criminal Justice	35
Cross-Cultural Communication.....	36
Digital Media Studies.....	37
Digital Media Studies.....	38
Early Childhood Teaching: International Focus	39
Educational Studies in Secondary Mathematics	40
Educational Youth Leadership	41
Elementary and Early Childhood Curriculum: Focus on Special Education.....	42
Elementary Teaching with Multicultural Focus	43

Environmental Conservation	44
Events Management.....	45
Exercise Training and Performance	46
Field Biology.....	47
Global Leadership and Social Entrepreneurship	48
Health and Exercise Science	49
Human Computer Interaction	50
Human Resources Management	51
Humanities through Visual Design and Literature	52
Information Technology Management for Organizations.....	54
International Business and General French	55
International Business and Politics.....	56
International Studies with a Concentration in Middle Eastern Studies	57
International Studies with a Concentration in Middle Eastern Studies	58
Journalism with Emphasis in Sports	59
Marketing and Management.....	60
Marketing Management.....	61
Multicultural Early Education	62
Marketing Management.....	63
Middle Eastern Women Studies	64
Non-Profit Development Leadership.....	66
Nonprofit Leadership.....	67
Organizational Leadership Studies	68
Organizational Leadership in Public Change	69
Peace and Conflict Studies	70
Philanthropic Studies.....	71
Preparation for the Pharmaceutical Sciences	72
Queer Theology	73
Science of Information	74
Secondary Education Curriculum: Science Focus	76
Secondary Education in Middle Schools.....	77
Secondary Science Curriculum Studies.....	78
Secondary Social Sciences Education	79
Social Justice and Religious Studies.....	80
Justice and Sustainability.....	81

Software Engineering	82
Sport and Physical Activity Science	83
Sport and Physical Education Studies.....	84
Sports Business and Leadership	85
Sports Education.....	86
Sports Education and Athletics Performance.....	87
Sports Medicine.....	88
Sports Medicine.....	89
Sports Psychology.....	90
Sports Psychology.....	91
Sports Therapy.....	92
Tourism Management	93
Adaptive Technology	96
Archaeology Minor with Field Work Emphasis	97
Community Relations and Event Management.....	98
Cybersecurity	99
Deaf Communications with an Emphasis in American Sign Language.....	100
Middle Eastern Studies Minor	101
Music Instrumentation and Appreciation	102
Social Work	103



Self-Designed Majors



2016-17

Allied Health Studies

The Allied Health Studies major will be offered through the Westminster College departments of Biology, Chemistry, Physiology and Health & Exercise Science. Course work is designed to focus on the study of the human body, along with courses that will provide foundational knowledge in related areas, as well as preparing the student for post-graduate programs in the health care field.

The major will develop a background in biological systems relating to human health, including the building blocks of life (Genetics), the chemistry of organic life, human anatomy and physiology, and the study of microorganisms. Courses in developmental psychology and health issues will help make the connection between physiology and the mental and physical health problems that patients may face.

Required Courses		Hours
BIO 114/115	Biological Processes	4
BIO 124/125	Biodiversity	4
CHM 114/115	General Chemistry I	4
CHM 124/125	General Chemistry II	4
CHM 314/315	Organic Chemistry	4
BIO 203	Human Anatomy	4
BIO 370	Human Physiology	4
BIO 301	Genetics	4
BIO 403	Microbiology	4
		Total: 36 hours

2014/15

Applied Science Entrepreneurship

This major builds an understanding of and familiarity with the quantifications of the physical world, the principles both mathematical and practical that govern the interactions of matter and blends it with the skills necessary to successfully build and grow small businesses in markets where familiarity with scientific principles will be of benefit. Students will develop an understanding of basic physics as well as the physics of electronics, a familiarity with laboratory electrical test equipment and components, as well as the use of personal computers, spreadsheets and office information systems.

Applied Science Entrepreneurship majors will be well prepared for employment in a variety of small business, or for starting their own business venture. Further study may be available, special skills needed for a particular industry may be available in a certification program.

Course Number	Title of Course	Hours
ACC 215	Financial Accounting	4
ACC 216	Managerial Accounting	4
ECN 211	Macroeconomics	3
ECN 212	Microeconomics	3
PHL 244	Business Ethics	3
BUS 220	Fundamentals of Management	3
BUS 250	Principles of Marketing	3
BUS 326	Human Resource Management	3
BUS 322	Cross-Cultural Management	3
BUS 327	Operations Management (optional)	3
BUS 325	Entrepreneurship	3
CSC 101	Intro to Computers	3
MAT 111	College Algebra	3
MAT 121	Pre-Calculus	3
MAT 124	Calculus 1	3
MAT 122	Business Calculus	3
MIS 201	Intro to Management Information Systems	3
PHL 218	Intro to Logic	3
MAT 114	Elementary Statistics	3
CSC 104	Programming Logic and Design	3
EGR 101	Intro to Engineering and Design	3
CHM 144	General Chemistry 1	3
CHM 115	General Chemistry 1 Lab	1
CHM 124	General Chemistry 2	3
CHM 125	General Chemistry 2 Lab	1
PHY 201	Physics 1	4
PHY 212	Physics 2	4
PHY 325	Electronics	4
ITY 331	Info Storage and Management	3
	Total Hours	85-88
	Total Upper Level Course Work Hours	16-19

Art and Environment

The Art and Environment major will be offered primarily through the Westminster College departments of Environmental Science, Political Science, Religion, and Philosophy with majority of Art courses transferred from an accredited college. Course work is designed to incorporate critical reading and writing, as well as hands-on instruction in a variety of formats and disciplines that focus on current environmental issues, environmental ethics, and environmental politics and policy.

Courses in environmental ethics, environmental politics and policy, religion and environment, conservation biology, and forest resource and management provide thorough knowledge of current environmental issues and the cultural values that affect them. Students are taught to apply the theoretical and critical concepts they are learning to a range of media practices, from solving design problems to the production of collaborative and independent projects. Furthermore, student develop an understanding of the visual arts through a number of media to include oil painting, watercolor, charcoal drawing, pastels, and ceramics. Students who graduate with a Bachelor of Arts in Art and Environment may go on to work independently as environmental artists or pursue graduate level programs available across the country for further study at the masters and doctoral levels.

Course Number	Course Title	Hours
TR_ART	Painting I	3
TR_ART	Painting II	3
TR_ART	Painting III	3
TR_ART	Drawing I	3
TR_ART	Drawing II	3
TR_ART	Figure Drawing I	3
TR_ART	Watercolor I	3
TR_ART	Ceramics I	3
TR_ART	Design I	3
TR_ART	Modern Art History	3
PHL 242	Environmental Ethics	3
POL 326	Environmental Politics and Policies	3
REL 324	Religion and Environment	3
ENV 350	Conservation Biology	3
ENV 398	Art and Environment (Independent Study Capstone)	3
BIO 345	Forest Resources and Management	3
	Total hours for major:	48
	Total upper level course hours for major:	18

2016-2017

Biological Psychology

The Biological Psychology major will be offered primarily through the Westminster College departments of Biology and Psychology. Course work is designed to focus on studying the nature of human biology and its relationship to human psychology.

The major develops an appreciation for the various roles of a human's biological and psychological makeup and shows in turn how that influences human behavior. Students will learn the similarities and differences in these two disciplines and explore knowledge that lies at their intersection. The course Biological Psychology will bridge the gap between the two disciplines involved in major. The major will give the ability to further explore the influences of the mind on the body and the other way around.

Biological Psychology majors are well prepared and ready for a multitude of career paths. This major directs student's attention not only to the physical world but also to the mental aspect of humans. In addition, there are many graduate programs that focus on interdisciplinary knowledge by biology and psychology (e.g. cognitive neuroscience) and so there is potential for further study in this major.

Required Courses			Hours
BIO	110	Biodiversity	4
BIO	112	Biological Processes	4
BIO	203	Anatomy	4
BIO	325	Molecular Cell Biology	4
BIO	370	Physiology	4
PSY	112	Psychology as a Natural Science	3
PSY	113	Psychology as a Social Science	3
PSY	231	Sports Psychology	3
PSY	274	Methods in Experimental Psychology	3
PSY	290	Biological Psychology	3
PSY	370	Sensation and Perception	3
PSY	371	Sensation and Perception Lab	1
PSY	398	Independent Study: Cognitive Neuroscience	3
			Total: 42 hours

2012/13

Biological Psychology

The Biological Psychology major will be offered through the Westminster departments of Biology and Psychology. Course work is designed to focus on the nature of the human brain as it relates to psychological theories and biological processes of the human body.

The major develops an appreciation for the relationship between the mind and body through the study of anatomy and physiology (understanding bodily parts and processes) and genetics (predispositions and human nature). Biological Psychology and Cognitive Neuroscience (mental processes dealing with cognition) will bridge the gap between the two disciplines. To further understand human brain processes, Sensation and Perception will be taken to provide insight into the brain and how it works with the body's sensory organs. Methods in Experimental Psychology will provide the tools needed for further studies or positions in research.

Biological Psychology majors are well prepared for entry into medical school or graduate programs in neuroscience. In addition, students of this major may find employment in an assortment of entry-level positions such as research, business, education or consulting in the health sciences field.

Required Courses:			Hours
BIO	124/125	Biodiversity and Lab	4
BIO	114/115	Biological Processes and Lab	4
BIO	203	Human Anatomy	4
BIO	370	Physiology	4
BIO	301	Genetics	4
PSY	112	Psychology as a Natural Science	3
PSY	113	Psychology as a Social Science	3
PSY	274	Methods in Experimental Psychology	3
PSY	290	Biological Psychology	3
PSY	370/371	Sensation and Perception and Lab	4
PSY	398	Cognitive Neuroscience	3
CHM	114/115	General Chemistry I and Lab	4
CHM	124/125	General Chemistry II and Lab	4
CHM	314/315	Organic Chemistry I and Lab	4
			Total: 51 hours

Recommended Courses:

PSY	310	Social Psychology	3
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2012/13

Biomedical Ethics

The Biomedical Ethics major will be completed through the collaboration among the Biology, Chemistry, and Classics/Philosophy/Religion departments of Westminster College. The main focus will be on the study of philosophy and religion and their impact on society and its views towards life, medicine, and healing.

The Ethics major will develop an appreciation for the controversial issues of modern medicine (such as stem cell research, end-of-life care, euthanasia, public healthcare policy, and genetic manipulation, etc.), while respecting the historical and philosophical roots from and through which they developed (the shift away from paternalism and the embracement of autonomy, fairness, and justice, etc.). The proper respect for these issues is directed by a mutual understanding between the medical indications of complex cases and the philosophical and legal standards necessary to determine an ethically right course of action.

Course work is designed primarily as preparation for graduate study in Biomedical Ethics and will accompany an undergraduate major in Biochemistry, Biological emphasis, and a minor in mathematics.

Required Courses:			Hours
BIO	301	Genetics	4
CHM	410	Medicinal Chemistry	3
CLA	320	Medicine, Miracles, and Magic	3
PHL	101	Introduction to Philosophy	3
PHL	212	Introduction to Ethics	3
PHL	242	Biomedical Ethics	3
PHL	324	Ethics of Genetic Manipulation	3
REL	101	Introduction to the Bible	3
REL	102	World Religions	3
REL	300	Asian Philosophy and Religion	3
REL	317	Writings of Paul	3
SCA	115	Cultural Anthropology	3
SCA	300	Gender and Society	3
			Total: 40 hours

2011/12

Biomedical Psychology (Biochemistry Emphasis)

In today's society biology and psychology are importantly related when working in medicine. Patients require quality care from those who are treating them. The use of an advanced knowledge in biology is critical to achieve this goal. However, with growing research there are suggestions that in order to make a more holistic approach to treating patients, elements of psychology must be used and understood. Combined, biology and psychology allow healthcare providers to better understand how to work with patients in order to achieve the optimum goals in medicine. To further aid the future healthcare provider, certain classes in philosophy and religion should be taken in order to understand the differences in opinions and views of each person that may be treated.

This major will be offered primarily through the Westminster College departments of Biology, Chemistry, and Psychology. The classes taken by this major will prepare any future healthcare provider in better understanding themselves and the patients they will treat. This major can be used for a number of graduate programs for further study at the master and doctoral levels as well as preparing someone for entry level employment in the medical field.

Required Courses:			Hours
BIO	110	Biodiversity	4
BIO	112	Bioprocesses	4
BIO	203	Human Anatomy	4
BIO	301	Genetics	4
BIO	403	Microbiology	4
BIO	404	Biochemistry (WI)	4
CHM	114	General Chemistry I	3
CHM	115	General Chemistry I Lab	1
CHM	124	General Chemistry II	3
CHM	125	General Chemistry II Lab	1
CHM	304	Inorganic Chemistry	3
CHM	314	Organic Chemistry I	3
CHM	315	Organic Chemistry I Lab	1
CHM	324	Organic Chemistry II	3
CHM	325	Organic Chemistry II Lab	1
PHL	242	Biomedical Ethics	3
PSY	112	Psychology as a Natural Science	3
PSY	113	Psychology as a Social Science	3
PSY	290	Biological Psychology	3
PSY	371	Sensation and Perception Lab	1
SCA	348	Medical Anthropology	3
			Total: 59 hours

Recommended Course:

BIO	204	Animal Behavior	4
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2010/11

Business and Communications and Sports Management Emphasis Major

The Business, Communications, and Sports Management Emphasis major will be offered through the Westminster departments of Business, Communications, and Sports Management. Course work is designed to study the nature and complexity of organized commercial activities, preparing students for services, and to encourage self-fulfillment in marketing.

Students will learn to appreciate human interaction in the work environment, and the process of conceiving, planning, designing, selling, running various forms of marketing projects and enterprises. The major will strengthen the ability to analyze products and ideas for further introduction into society, to analyze complex issues and make reasoned judgements. These interdisciplinary studies will well prepare a student for entry-level positions in a wide variety of organizations.

Course Number	Title of Course	Hours
SPE 101	Intro Speech Com.	3
SPE 203	Interpersonal Com.	3
SPE 220	Public Relations	3
SPE 299	Persuasion	3
SPE 310	Bus/Pro Com	3
ENG 260	Intro. To Journalism	3
ENG 270	Expository Writing	3
ENG 275	Intro Creative Writing	3
ENG 376	Creative-Writing N- F	3
PSY 231	Sports Psychology	3
BUS 250	Principles of Marketing	3
BUS 330	Advertising	3
HES 406	Intro to PE and Athletics	2
HES 399	Internship	4

Total number of hours: 42

Total number of upper level hours: 15

2016-2017

Business and Leadership

The Business and Leadership major will be offered through the Department of Business Administration and Center for Leadership and Service. Coursework is designed to integrate leadership theory and skills into the profit and non-profit business worlds.

The major develops an appreciation for the role that leaders play in society, the moral and ethical dimensions of the business world, and the importance of having a multicultural perspective in dealing with complex social and commercial problems. The major strengthens students' ability to solve problems, analyze complex issues, and make reasoned judgments.

Students with this major are well prepared for entry-level positions in a wide variety of organizations in business, sales, marketing and management. In addition, students are well prepared for further study at the post-graduate level.

Required Courses:			Hours
BUS	220	Fundamentals of Management	3
BUS	223	Business Law	3
BUS	230	Personal Finance	3
BUS	300	Sports Management	3
BUS	300	Retail Management	3
BUS	334	Consumer Behavior	3
LST	200	Legal Advocacy	3
LST	201	Leadership Studies and Practice	3
LST	205	Mediation and Conflict Resolution	3
LST	210	Non-Profit Leadership	3
LST	300	Group Dynamics and Leading Teams	3
LST	399	Internship	3
POL	212	Introduction to International Relations	3
SPE	101	Introduction to Speech Communication	3
			Total: 42 hours

Other Required Course:

MAT	114	Elementary Statistics	3
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2011/12

Business and Leadership

The Business and Leadership major will be offered through the Department of Business Administration and Center for Leadership and Service. Coursework is designed to integrate leadership theory and skills into the profit and non-profit business worlds.

The major develops an appreciation for the role that leaders play in society, the moral and ethical dimensions of the business world, and the importance of having a multicultural perspective in dealing with complex social and commercial problems. The major strengthens students' ability to solve problems, analyze complex issues, and make reasoned judgments.

Students with this interdisciplinary major are well prepared for entry-level positions in a wide variety of organizations in business, sales, marketing and management. In addition, students are well prepared for further study at the post-graduate level.

Required Courses:			Hours
BUS	220	Fundamentals of Management	3
BUS	221	Management Practice and Organizational Behavior	3
BUS	250	Principles of Marketing	3
BUS	330	Advertising	3
BUS	334	Consumer Behavior	3
BUS	350	Investments	3
INT	399	Internship: Damage Assessment	5
LST	133	Leadership Lab	1
LST	201	Leadership Theories and Practice	3
LST	205	Mediation and Conflict Resolution	3
PHL	244	Business Ethics	3
POL	212	Introduction to International Politics	3
Two of the following:			
LST	210	Non-Profit Leadership	3
LST	300	Group Dynamics and Leading Teams	3
LST	300	Cross Cultural Leadership	3
LST	300	Group Dynamics and Building Teams	3
			Total: 42 hours

2011/12

Business Leadership

The Business Leadership major will be offered through three Westminster College departments/programs and includes interdisciplinary course work in the areas of Business Administration, Speech Communication, and Leadership Studies. The Business Leadership major, with its liberal arts foundation, challenges students to develop knowledge and skills in the areas of oral and written communication, business management, and organizational leadership. When integrated, these areas prepare students to enter careers in the commercial, public service, financial, and nonprofit arenas. Students learn to appreciate the dynamics of human interaction in work environments, as well as learning skills necessary to manage, lead, mediate, and communicate with individuals and groups in both professional and other organizational settings.

The leadership and communication components focus on the strategic and relationship building aspects of working within a business society—learning to interact with multiple types of clients and coworkers, becoming more competent in multicultural communication, and strengthening one’s confidence with leading organizations. Through the business side of the degree the student will learn the processes of planning, designing, selling, buying, and/or managing one’s own business or enterprise. Business Leadership majors are well prepared for a variety of careers in the profit and public services and non-profit sectors. Additionally, students with this degree have a diverse background that helps to increase graduate study options, particularly in business and organizational leadership.

Required Courses			Hours
BUS	220	Fundamentals of Management	3
BUS	223	Business Law	3
BUS	250	Principles of Marketing	3
BUS	300	Qualitative Research	3
BUS	318	Corporate Management	3
BUS	334	Consumer Behavior	3
BUS	399	Internship: Banking	4
LST	201	Introduction to Leadership Theories/Practices	3
LST	205	Mediation and Conflict Resolution	3
LST	300	Group Dynamics and Building Teams	3
MIS	210	Spreadsheet Applications in Business	3
SPE	101	Introduction to Speech Communication	3
SPE	203	Interpersonal Communication	3
SPE	303	Communication in Relationships	3
SPE	310	Business and Professional Communication	3
			Total: 46 hours
Recommended Courses:			
ENG	270	Expository Writing	3
PHL	212	Introduction to Ethics	3
PSY	112	Psychology as a Natural Science	3
PSY	113	Psychology as a Social Science	3

2012/13

Business Leadership

The Business Leadership major will be offered through the Department of Business Administration and Center for Leadership and Service. Coursework is designed to integrate leadership theory and skills into the profit and non-profit business worlds.

The major develops an appreciation for the role that leaders play in society, the moral and ethical dimensions of the business world, and the importance of having a multicultural perspective in dealing with complex social and commercial problems. The major strengthens students' ability to solve problems, analyze complex issues, and make reasonable judgements.

Students with this major are well prepared for entry-level positions in a wide variety of organization, in business, sales, marketing and management. In addition, students are well prepared for further study at the post-graduate level.

Course Number	Course Title	Hours
ACC 215	Financial Accounting	3
BUS 220	Fundamentals of Management	3
BUS 221	Management Practice & Organizational Behavior	3
BUS 325	Entrepreneurship	3
BUS 250	Principles of Marketing	3
BUS 334	Consumer Behavior	3
INT 399	Internship	3-6
LST 201	Intro to leadership Theories	3
LST 205	Mediation & Conflict Resolution	3
LST 133	Leadership Lab	1
LST 325	Cross Cultural Leadership	3
BUS 326	Human Resource Management	3
PHL 244	Business Ethics	3
ECN 211	Macroeconomics	3
ECN 212	Microeconomics	3

2016-2017

Business Management and Human Development

The Business Management and Human Development major will be offered primarily through the Westminster college departments of Business, Psychology and Education. Course work is designed to study the psychological and biological development of humans from birth to death and the application of this knowledge to business (particularly relating to business management).

The major develops an appreciation for the complexity of human growth and development and the ever changing business world which relies on this insight for successful marketing tactics and management approaches. This major will strengthen the student's ability to analyze the needs and wants of various consumers and employees through an emphasis on educating, understanding, and appealing to persons of various age groups, abilities, exceptionalities and socioeconomic statuses. The combination of human development and business management will prepare the student for a career in upper level management.

Through the coupling of management with human development this major prepares students for careers that require skills beyond just business know-how. This major prepares students for business careers that require managers to educate, train and best approach consumers and employees of varying ages and developmental abilities. Students with this major find ready employment in the areas of business, education, research, sales and consulting due to their deep understanding of, and appreciation for, recognizing and supporting a company's human capital.

Required Courses:		Hours
EDU 230	Child Growth and Development	3
EDU 231	Education of Exceptional Individuals	3
EDU 385	Diversity in Education	3
EDU 207	Health, Safety and Physical Education	3
EDU 280	Program and Curriculum in ECE	3
EDU 380	Int. Curriculum in ECE	3
EDU 203	Teaching Art, Music and Language Arts	3
BUS 220	Fundamentals of Management	3
BUS 250	Principles of Marketing	3
BUS 340	International Business	3
BUS 223	Business Law	3
BUS 221	Management and Organization	3
ACC 215	Financial Accounting	4
BUS 300	Cross Culture Management	3
SCA 111	Introduction to Sociology	3
		Total: 46 hours
Other Required Courses:		
WGS 210	Women Studies	3
PSY 112	Psychology as a Natural Science	3
PSY 113	Psychology as a Social Science	3
ECN 211	Principles of Macroeconomics	3
MAT 121	Pre-Calculus	3
BUS 334	Consumer Behavior	3

Recommended Courses:

REL 102	World Religions	3
MAT 114	Elementary Statistics	3
PHL 212	Introduction to Ethics	3

Courses that count for Upper Level Outside the Major:

PSY 312	Developmental Psychology	3
EDU 417	Advanced Practicum	1
MAT 351	Methods of Teaching Elem./Middle School Math	3
MAT 231	Math for Elementary/Middle School Teachers	3

Business Relations

The Business Relations major draws from the Communication curriculum and from the Business Management curriculum. Students who successfully complete the Business Relations major will have a broad introduction to the various business management practices and organization structures. Additionally, students will be exposed to a variety of communication strategies, including communications in the business world, and gain an appreciation for different leadership styles. Students who complete the Business Relations major will be prepared to enter into an entry-level position for a variety of businesses.

By acquiring this major it will allow me the opportunity to enter into a variety of business management situations. I want to be able to work in a group or by myself on a project and to complete it properly, no matter what field of management or where my career choice may go. To be able to strategically plan projects and convey my communications and collaborate successfully with other people will be the main goal of my major.

Required Courses			Hours
ECN	211	Principles of Macroeconomics	3
BUS	221	Management Practices and Organizational Behavior	3
BUS	220	Fundamentals of Management	3
BUS	300	Cross-cultural Management	3
BUS	326	Human Resource Management	3
BUS	3XX	Management	3
SPE	101	Introduction to Speech Communications	3
SPE	203	Interpersonal Communications	3
SPE	310	Business and Professional Communications	3
LST	201	Introduction to Leadership	3
LST	2XX	Leadership	3
ENG	270	Expository Writing	3
ENG	3XX	Creative Writing	3
			Total: 39 hours
Recommended Courses			
LST	2XX	Leadership Class	3
BUS	3XX	Management Class	3
MIS	201	Introduction to Information Systems	3

2012/13

Chemical Informatics

Chemical Informatics is a self-designed major which uses technology to calculate chemical formulas. By combining these two fields, the student will be able to use computer programming in the chemistry field and make it easier to calculate and obtain results more accurately. This self-designed major will open the doors to higher studies such as chemical engineering and chemical technology.

Required Courses			Hours
CSC	250	Systems Analysis and Design	3
CSC	104	Programming Logic and Design	3
CSC	210	Introduction to Digital Systems	3
CSC	454	Computer Science Practicum	1
CSC	111	Fundamentals of Computer Science I	3
CSC	211	Fundamentals of Computer Science II	3
CSC	298	Independent Study	1
ITY	177	Foundations of Information Technology Science	3
CHM	114	General Chemistry I	3
CHM	115	General Chemistry I Lab	1
CHM	124	General Chemistry II	3
CHM	125	General Chemistry II Lab	1
CHM	334	Analytical Chemistry I	3
CHM	335	Analytical Chemistry I Lab	1
CHM	314	Organic Chemistry I	3
CHM	315	Organic Chemistry I Lab	1
CHM	324	Organic Chemistry II	3
CHM	325	Organic Chemistry II Lab	1
			Total: 40 hours

Recommended Courses

MAT	124	Calculus I
CHM	300	Environmental Chemistry

2012/13

Classical Studies

The Classical Studies major will be offered through the Westminster Department of Classics, Philosophy, and Religious Studies. The major will be intended to educate students on the history, culture, and interworking's of the classical world, while also exposing students to interdisciplinary work that will sharpen a student's research and critical thinking skills.

The innovation and thought that originated from classical Greece and Rome has had an immeasurable impact on the world as we know it. For a student of the classics, simply reading the New York Times is an entirely different experience from what a typical member of today's society would have. Immeasurable references to classical myth appear in the most and least significant pieces of literature, and anyone who has studied classical language has augmented their vocabulary in a way that most will never have the opportunity to do. The classics help one understand the evolution of art and science before the time of Christ, and help one trace the evolution of society from the alpha to the omega. Since the classics in a very broad and encompassing field of study, it crosses so many subject boundaries, and forces a student to partake in interdisciplinary learning. Doing historical, scientific, and fine arts research certainly develops one's critical thinking skills.

Critical thinking skills and interdisciplinary understanding are imperative in today's competitive job market. Even if one does not pursue a classics graduate program, one has still given himself a chance to stand out in the professional world, having studied the classics. Employers and admission boards from other graduate programs (law school, MBA programs, etc.), are looking for competent and flexible individuals. Lastly, the general historical knowledge gained from being a classics student, is a requisite of being an educated member of society in general. The Classical Studies curriculum truly prepares one to be a world citizen and a leader in a global community.

Required Courses:			Hours
CLA 215	Mythology		3
CLA 228	Roman Civilization		3
CLA 227	Greek Civilization		3
CLA 340	Pagans/Christians		3
CLA 320	Medicine, Miracles and Magic		3
LAT 203	Introduction to Latin I		3
LAT 204	Introduction to Latin II		3
CLA 361	Ancient Greek Drama		3
REL 102	World Religions		3
CLA 325	Omens/Dreams/Portents		3
LAT 348	Independent Latin Readings		3
			Total: 33 hours

2012/13

Classics with a Latin Emphasis

The Self-Designed Classics major is an integrative program that draws from many programs within its division. These included Classics, Latin, Sociology, Anthropology, and Religion. The idea of classics is to create a better understanding of ancient culture. The courses required for this major touch on these many aspects and carry from introductory courses to upper-level courses. Furthermore, this degree requires beyond the amount of Latin course work available and an upper-level understanding of the language. Through these courses many aspects of society both in present day and ancient culture can be co-related. Thus it can be seen how current society developed. The courses listed take all roles of Classics into consideration giving a broad understanding of the field.

Required Courses:			Hours
CLA	228	Roman Civilization	3
CLA	300	Greek World Seminar	1
CLA	300	Greek Odyssey	3
LAT	203	Intermediate Latin I	3
LAT	204	Intermediate Latin II	3
LAT	398	Independent Study: Literary Evidence of Pompeii	2
LAT	398	Independent Study: The Tacitus Project	3
REL	102	World Religions	3
SCA	111	Introduction to Sociology	3
SCA	301	Historical Method Archaeology	3
SCA	348	Medical Anthropology	3
			Total: 30 hours

2010/11

Classics with a Latin Emphasis

The Classics with a Latin Emphasis will be offered primarily through Westminster College's Classics department. The course work is designed to study the nature of the classical world and its languages of Greek and Latin.

The major develops an appreciation for the ancient world and its citizens as well as reinforcing or introducing new ideas on thoughts from philosophers and writers of the ancient world. Students in this field will gain valuable knowledge pertaining to how the Greek and Roman civilization evolved into the strong militaristic power houses as seen throughout history. Courses like Roman Civilization and Greek Civilization will introduce the students to the societies of these two cultures and the students will be able to draw comparison as to how our modern day society evolved from them. The courses of Latin will also help the student in reinforcing their vocabulary as well as providing them with a general background in the language of the Roman world. The major will strengthen the knowledge of students who have taken some form of classics courses from high school with more in-depth discussions on ideas from philosophers and writers of the ancient world.

Classics major are well prepared to enter a wide variety of fields because of their work in the classic course. This is because the classics with a Latin Emphasis major takes advantage of a wide variety of courses in classics that allows the student to be prepared for more entry-level positions of occupations. The major will also allow students to pursue a higher degree upon completing of coursework in the field of Classics and Latin.

Required Courses			Hours
LAT	203	Intermediate Latin I	3
LAT	204	Intermediate Latin II	3
CLA	228	Roman Civilization	3
CLA	215	Mythology	3
CLA	361	Ancient Greek Drama in translation	3
CLA	340	Pagans and Christians	3
CLA	227	Greek Civilization	3
LAT	398	Independent Study	3
CLA	325	Dreams, Omens and Portents	3
CLA	320	Medicines, Miracles and Magic	3
			Total: 30 hours

2012/13

Cognitive Neuroscience

The Cognitive Neuroscience major will be offered through the Psychology and Biology departments at Westminster College. The courses are designed, in general, to explore the biopsychological foundations of what it means to be a human being, and in particular, how our cognitions shape, and are shaped by, our biology and our environment.

The major will explore the neurological processes and structures that govern cognitions and affective states, perceptions of and nature of the self and moral psychology. Majoring in Cognitive neuroscience will develop an appreciation for the capabilities and limitations of the human psyche based on a biopsychological approach to how humans cogitate. This appreciation will be aided and further developed through research opportunities and the exploration of the philosophical implications of the material. Majoring in Cognitive Neuroscience is a means through which students who are interested in pursuing graduate studies in Psychology or Neuroscience can explore topic areas pertaining to these two fields. Students who major in Cognitive Neuroscience are encouraged to develop and present a capstone project that evaluates and applies the material to a topic of the students' choosing and the advisors' approval.

Cognitive Neuroscience has relevant and important implications not only for studies in the Philosophy of Mind, but also for the ways in which we learn, make moral judgments, make decisions, choose apples over oranges, etc.; indeed, acquiring a sound understanding of Neuroscience in its various fields can provide a holistic framework for exploring what it means to be a human being.

Required Courses:			Hours
BIO	114/115	Biological Processes and Lab	4
BIO	124/125	Biodiversity Lecture and Lab	4
BIO	203	Human Anatomy	4
PSY	112	Psychology as a Natural Science	3
PSY	290	Biological Psychology	3
PSY	310	Social Psychology	3
PSY	315	Psychology of the Personality	3
PSY	320	Memory and Cognition	3
PSY	370	Sensation and Perception	3
PSY	430	Pre-Thesis	3
PSY	431	Senior Thesis	3
			Total: 36 hours
Recommended Course:			
BIO	3XX	Neuroanatomy	4

2011/12

Communication

The Communication major will be offered primarily through the Westminster College departments of Speech, English, and Psychology. Course work is designed to focus on the study of relationships between people and how to understand individual differences to establish the best form of communication in the professional world.

The Communication major demonstrates the best environment in which communication can exist, non-verbal cues, defensive lessening strategies, and different types of leadership to accommodate different types of workers (Interpersonal Communication). Business and Professional Communication, the capstone courses in the major, prepares students in different aspects of a career such as the interview process, conducting a sales pitch, public relations work for a business, and organizing a training seminar. This course, along with Introduction to Speech, helps students develop effective public speaking skills. Psychology and Religion courses will explore the reasons why people behave and believe what they do to provide for the most effective communication strategies. Writing courses (Journalism and Creative Nonfiction) helps the student communicate through their writing as well. This degree is beneficial because communication is a key factor in the way societies function.

Required Courses:		Hours
ENG 260	Journalism	3
ENG 270	Expository Writing	3
ENG 360	Issues in Contemporary Media	3
ENG 376	Creative Nonfiction	3
MUS 300	Music of Resistance	3
PSY 113	Psychology as a Social Science	3
PSY 422	Psychology Seminar	3
REL 102	World Religions	3
SCA 111	Introduction to Sociology	3
SPE 101	Introduction to Speech Communication	3
SPE 203	Interpersonal Communication	3
SPE 310	Business and Professional Communication	3
SPE 398	Independent Study: Radio Communication Styles	3
		Total: 39 hours

2010/11

Communications and Media Studies

The Communication and Media Studies major will be offered primarily through the Westminster College Departments of English and Speech. Interdisciplinary course work is designed to educate students on mass media, its relationship to culture and society and the process of communication within a liberal arts curriculum.

Speech courses will provide oral communication skills, both public and professional. A wide variety of upper level English courses will help in written communication skills as well as increase understanding of print media. Other media courses such as Art of the Film, music, and theater will help the student gain a broad understanding of various media.

Introduction to Early American Media will teach the student the history, growth, and importance of media in America. An internship the student's senior year will allow her or him to apply learned communication skills and their knowledge of media to a professional work environment.

The student also plans to minor in English. These courses complement the major by focusing on the journalism aspect to media and the written aspects to communications. A degree in Communications and Media Studies prepares students for careers in advertising, public relations, journalism, and other fields that require extensive knowledge of the subject. Jobs range anywhere from news reporters and radio announcers to program directors and journalists. Furthermore, students who wish to continue communications and media studies can earn master's or Ph.D. degrees from all over the country.

Required Courses:			Hours
BUS 330	Principles of Advertising		3
ENG 200	Janus		3
ENG 275	Introduction to Creative Writing		3
ENG 355	The Photograph as Literary Text		3
ENG 355	Early American Media		3
ENG 374	Creative Writing: Poetry		3
ENG 376	Creative Nonfiction		3
FAR 215	Art of the Film		3
MUS 205	Music in the Western World		3
SPE 101	Introduction to Speech Communication		3
SPE 220	Public Relations		3
SPE 310	Business and Professional Communication		3
THA 299	Theater		3
			Total: 39 hours
Other Required Course:			
ITS 399	Internship		1-4

2011/12

Communications with Emphasis in Languages and Culture

The self-designed major of Communications with an Emphasis in Culture and Languages combines the academic areas of Communications, English, and Spanish, with some Business as well. With the self-designed major, the student is prepared to communicate to a large audience both verbally and non-verbally who span across the globe. Furthermore, with the addition of the English and Spanish components, the student can professionally and effectively communicate with monolingual and bilingual persons.

Required Courses:			Hours
PSY	113	Psychology as a Social science	3
EDU	385	Diversity in Education	3
LST	132	Problem Based Leadership Lab	1
SPE	203	Interpersonal Communication	3
SPE	101	Introduction to Speech Communication	3
SPE	220	Public Relations	3
SPA	102	Elementary Spanish II	4
SPA	204	Intermediate Spanish II	3
SPA	381	Advanced Grammar and Composition	3
BUS	250	Principles of Marketing	3
INT	700	Internship in Spanish Communication	2
ENG	360	Special Topics in Media Studies	3
ITS	398	Internship	2
			Total Hours: 43
Other Required Courses:			
REL	102	World Religions	3
			Total Hours: 46
Courses that Count for upper level credit outside the major:			
EDU	385	Diversity in Education	

2014/15

Conservation Biology

The Conservation Biology degree major will be offered primarily through the Westminster departments of Biology and Environmental Science. Course work is designed to study the relationship between science and the conservation of earth's species and ecosystems.

The major develops an appreciation for the role that sciences play in the conservation of not only a single species but of entire ecosystems as well. Students learn to value the role that biology helps in understanding how each species grows and develops. Adding the aspect of conservation to the issue means that students must consider the growth of one single species and how that species affects the role to the entire ecosystem to which it belongs. The major will strengthen the appreciation of a single organism to the world as a whole and also to the organisms that depend on that same organism. Conservation values will be instilled, as well as the motivation to get out into the field and apply many of the biological concepts one learns as a biologist. Students will learn how to more properly manage a species and also how to conserve biological diversity by learning various management techniques.

Conservation Biology majors are well prepared for entry-level positions in a variety of organizations. Furthermore, many graduate programs are offered across the country to allow a continued education at the masters and doctoral level. Students find ready employment in various organizations such as the Missouri Department of Conservation, research positions, as well as advocacy and population management.

Required Courses			Hours
BIO	110	Biodiversity	4
BIO	112	Biological Processes	4
BIO	205	Ecology and Field Biology	4
BIO	210	Biogeography	3
BIO	300	Vertebrate Biology	4
BIO	301	Genetics	4
BIO	350	Conservation Biology	3
GEO	300	GIS	3
ENV	105	Introduction to Environmental Science	3
ENV	345	Forestry Resource Management	3
			Total: 35 hours

Other Required Courses:

MAT	114	Elementary Statistics	3
PHL	246	Environmental Ethics	

2011/12

Conservation Biology

The Conservation Biology major incorporates a wide range of sciences that will be offered through Westminster departments of Chemistry, Environmental Science, and Biology. The major will include one to three hours dedicated towards independent study. Course work is designed to study Earth's biodiversity with a focus to protecting various ecosystems, species, and habitats from increased rates of extinction.

The interdisciplinary major is designed to prepare the student for a career within this scientific field. The Conservation Biology major will cover a large spectrum of topics, allowing the student to reflect the importance of the planet's environmental issues and develop scenarios in which to improve furthering conflicts. Students in this major should have an interest in the study of plants and animals, along with their behaviors and reactions to changing environmental surroundings, with a chemistry and organic emphasis.

Graduate programs are available throughout the country to continue the study at the masters and doctoral levels. This major will allow the student to find many employment opportunities in conservation research.

Course Number	Title of Courses	Hours
BIO 114/115	Biodiversity	4
BIO 124/125	Biological Processes	4
BIO 205	Ecology and field Biology	4
ENV 105	Intro to Environmental science	3
PHL 246	Environmental Ethics	3
<u>Or</u> POL 326	Environmental Politics and Policy	3
ENV 345	Forestry Resource Management	4
BIO 300	Vertebrate Biology	4
BIO 350	Conservation Biology	3
BIO 301	Genetics	4
BIO 318	Ornithology	4
CHM 114/115	General Chemistry I	4
CHM 124/125	General Chemistry II	4
CHM 314/315	Organic Chemistry I	4
CHM 324/325	Organic Chemistry II	4
	Total hours	53
	Total Upper Level Course Work Hours	30
Other Required Courses		
MAT 114	Elementary Statistics	3
MAT 124	Calculus I	5

2016-2017

Criminal Justice

This Self-Design Criminal Justice Major will be offered through Westminster College departments of Security Studies, Psychology, Sociology, Political Science and Philosophy. The major will also use classes selected through the William Woods University Legal Studies department. Course work for this designed major will represent the fundamentals of the law enforcement perspective from the local level to the federal/national security agency level, while combining the perspectives of psychology, sociology, and ethics.

The Westminster College courses will develop an appreciation for the contributions of national security to law enforcement. The history and interaction between national security agencies such as the NSA, DHS, FBI, ICE, etc., as well as the instructions of national security issues will be further explored. Other courses will focus upon psychological and forensic aspects of psychology. Courses will also be taken in order to understand the interactions and constraints by society, while developing a consideration for ethical decisions. Greater knowledge of drugs and policy will be appropriated through the political science department.

Courses at William Woods University will be taken in order to focus upon the criminal justice system specifically. The introductory courses will contain information vital to the development of this major. Gaining a greater knowledge of criminal law will also be important. Contributions to the field experience aspect of criminal justice, specifically law enforcement, will be gained through studies in criminal investigation processes and crime scene investigation work.

A minor in Security Studies will contribute to the general understanding of nation-state security and international interaction in relation to security aspects. An internship with the United States Marshals will be taken to advance an appreciation for a federal law enforcement agency in particular. The purpose for this designed major is to guide one into career of law enforcement, with an emphasis on federal law enforcement. Career placement could range from working for departments such as a local police force to the United States Marshals, the Alcohol Tobacco Firearms and Explosives, the United States Air Force, Department of Homeland Security, Immigration and Customs Enforcement, or many other various agencies.

Required Courses:		Hours
SEC 299	Introduction to Criminal Justice	3
PSY 113	Introduction to Psychology as a Social Science	3
SCA 111	Introduction to Sociology	3
PHL 212	Introduction to Ethics	3
SEC 499	Criminal Investigations	3
SEC 499	Crime Scene Investigations	3
PSY 340	Forensic Psychology	3
SEC 499	Criminal Law	3
SCA 300	Prisons and Social Contract	3
SEC 201	Introduction to Security Studies	3
SEC 300	National Security Agencies	3
POL 370	Drugs and Public Policy	3
SEC 399	Law Enforce INT (U.S. Marshals)	3
		Total: 39 hours

Criminal Justice

The Criminal Justice Major will be offered primarily through the Westminster College departments of Political Science, Psychology, and Security Studies, along with select courses from William Woods University. The course work is designed to touch on the broadest topics in political science while covering the fundamental structure of criminology and security.

The major develops a strong appreciation for the various ways political science contributes to the criminal justice system through the study of politics, international politics, and the American government. Another course in public policy regarding illegal substances will give insight to how policy is made to safe guard everyday society from illegal drugs. Together, these courses will provide sufficient knowledge of the government and the political science system of developing public policy that is enforced by the criminal justice system. A course in psychology will help understand human behaviors. Other courses in security studies will look at the security institutions that enforce the laws and policies we live by such as local and state police, CIA, and/or FBI. They will also look at their structure and how they interact domestically and internationally.

The courses from William Woods University will provide the fundamentals in criminology: Intro to Criminal Justice, Criminal Investigations, and Legal Response to Domestic Violence. These courses lay the foundation of the criminal justice system and the structure of criminal investigations.

Concurrent minors in Security Studies and Political Science will complement the major by exploring the perspectives of security institutions and public policy in more depth to give a better understanding of how policy is made and enforced. The major directs the student towards a state or federal profession where s/he will have influence in enforcing public policy and investigating those that oppose it. Possible institutions are the State Police, Central Intelligence Agency, Federal Bureau of Investigation, Secret Service, or the officer training school of the United States Air Force.

Required Courses:			Hours
POL	211	American Government and Politics	3
POL	370	Drugs, Politics, and Public Policy	3
POL	212	Introduction to International Politics	3
POL	112	Introduction to Political Science	3
SCA	300	Crime and Punishment	3
SEC	200	Securities Studies	3
SEC	300A	National Security Agencies	3
SEC	300B	Immigration Patterns	3
LST	205	Mediation and Conflict Resolution	3
PSY	113	Psychology as a Social Science	3
William Woods Required:			
LGS	316	Introduction to Criminal Justice	3
LGS	303	Response to Domestic Violence	3
LGS	316	Criminal Investigation	3
			Total: 39 hours

2012/13

Cross-Cultural Communication

The Cross Cultural Communications major incorporates coursework from two departments of social sciences and English through Westminster College. The three disciplines that this major focuses on are English, International Studies, and Psychology. Students majoring in Cross Cultural Communications will be those attempting to gain a better comprehension of fundamental and necessary knowledge and understanding to communicate cross culturally, as well as the confidence and adeptness to do so.

The wide variety of social science coursework is intended for the student to study and learn how citizens of the world interact with themselves, their community, their societies, and the world as a whole. Today, in our globalized world one comes in contact with citizens of all walks of life, from the farthest corners of the world. With this major, a student will be well equipped to continue study in graduate school and or find employment in many fields, domestically and internationally, with the competency to work well with foreign citizens in a foreign environment if desired.

Required Courses:			Hours
SCA	111	Intro to Sociology	3
SCA	115	Intro to Cultural Anthropology	3
TNS	201	Intro to International Studies	3
LST	300	Cross-Cultural Leadership	3
PSY	113	Psychology as a Social Science	3
PSY	405	Cross-Cultural Psychology	3
SPE	101	Intro to Speech	3
ENG	270	Expository Writing	3
ENG	330	Literary Revisions	3
ENG	275	Intro to Creative Writing	3
ENG	345	African Diaspora Literature	3
HIS	300	Memory from Global	3
SPE	203	Interpersonal Communication	3
MIS	299	Computers	4
			Total Hours: 43
Recommended Courses:			
MUS	312	Music of Resistance	3
			Total Hours: 46

2014/15

Digital Media Studies

The Digital Media Studies self-designed major is formulated primarily through a blend of courses offered in computer science, English, and the arts. The course work is designed to focus on digital data organization, and survey different media and how they are combined for a multimedia presentation or project.

This self-designed major develops an appreciation for media and its capabilities as a tool for advertising, conveying messages, social change, as well as a new form of communication. It strengthens students' understanding of how to organize, edit, manipulate, combine, and break apart digital media. This area of study is a marriage between technology and creativity. Courses in computer science provide the ability to manage digital files and explore benefits to the different forms and sizes of files. As well as the benefits to networking, courses in English and the arts provide a strong media background that will allow students to fully understand how different media relate to one another and work together to make strong multimedia messages.

Digital Media Studies majors often go on to work for media corporations (like Google, YouTube, etc.), radio stations, or on a marketing or advertising team. There are many graduate programs, jobs, and internships for Digital Media Studies majors.

Required Courses:			Hours
ART	231	Survey of Western Art	3
CSC	100	Database Concepts and Reports	2
CSC	232	Computer Networking	3
CSC	250	Web Page Design, Aesthetics, and Interaction	3
CSC	300	Information Storage Management	3
CSC	300	Multimedia Systems	3
CSC	398	Independent Study: Digital Audio and Video	3
CSC	399	Internship: Digital Audio	3
ENG	275	Introduction to Creative Writing	3
ENG	355	Jazz, Country, Western	3
FAR	215	Art of the Film	3
MUS	105	Music Theory	3
MUS	205	Music in the Western World	3
WSM	101	The Art and Science of Computer Games	3
			Total: 41 hours

2010/11

Digital Media Studies

The Digital Media Studies self-designed major is formulated primarily through a blend of courses offered in Computer Science, Music, and the Art. The course work is designed to focus on digital data organization, understanding the role of digital media in everyday life, and having a comprehensive knowledge on modern multimedia system.

This self-designed major develops an appreciation for media and its capabilities as a tool for advertising, conveying messages, social change, and entertainment. It strengthens the student's understanding of how to organize, edit, manipulate, combine, and break apart digital media for use. The computer science courses provide the technical skills needed, while the Art and Music courses lend towards appreciation and understanding of the media content.

This Digital Media Studies major will prepare the student for a career in fields of digital media. The major includes hardware skills and expands on concepts that will aid the student in their position.

Required Courses:			Hours
ART	200	Digital Photography	3
ART	215	Graphic Design	3
CSC	100	Database Concepts and Reports	2
CSC	100	Introduction to Game Design	3
CSC	200	Intermediate Game Design	3
CSC	250	Web Page Design, Aesthetics, and Interaction	3
CSC	305	PC Hardware and Troubleshooting	3
ENG	355	Jazz, Country, and Western	3
ITS	199	Career Exploration Internship: Digital Media Archival	1
ITY	300	Multimedia Systems	3
ITY	300	Information Storage and Management	3
ITY	399	Internship: IT Media	3
LST	131	Leadership in the Movies	1
MUS	105	Music Theory	3
MUS	205	Music in the Western World	3
			Total: 40 hours

2011/12

Early Childhood Teaching: International Focus

The Early Childhood Teaching-Multicultural Focus major combines coursework from the Educational Program as well as the Humanities Division. Focusing on the most recent teaching methodologies for young children, the major also provides knowledge about children from other cultures or young students who speak English as a second language. The international focus gives a unique component to a regular teacher preparation program.

This major will enable the graduate to teach early childhood classes in a variety of settings, including private preschools and elementary schools, business daycares or American schools abroad. It would also prepare the student to go into early childhood program management and administration.

Required Courses:			Hours
EDU 101	Introduction to Teaching		1
EDU 230	Child Growth and Development		3
EDU 290	Foundations of Education		3
EDU 291	Education Practicum I		2
EDU 417	Special Practicum in Infancy and Toddlers		1
EDU 203	Teaching Art, Music and Language Arts		3
EDU 210	Literature for Children and Youth		3
EDU 207	Health, Safety and P.E.		3
EDU 211	Education of the Exceptional Child		3
EDU 306	Teaching Elementary Reading		3
EDU 385	Diversity in Education		3
EDU 280	Programs in Early Childhood		3
EDU 300	Travel to Happiness: Denmark Seminar		2+1
EDU 453	Classroom Organization and Management		3
EDU 399	Internship in ECE		6
EDU 490	Educational Seminar		3
PHL 102	World Religions		3
WGS 210	Introduction to Women's Studies		3
SPA 101	Elementary Spanish I		4
SPA 102	Elementary Spanish II		4
			Total: 60 hours

2012/13

Educational Studies in Secondary Mathematics

The Educational Studies in Secondary Mathematics major will be offered primarily through the Westminster College departments of Education and Mathematics. Course work is designed to focus on the study of pedagogy in mathematics, the development of learning in adolescent children, clinical experiences in the classroom, and the study of a range of mathematical topics.

The major develops an appreciation of the various ways mathematics is taught throughout the K-12 curriculum, with an emphasis on the secondary classroom. Courses in educational psychology and methods of teaching children with special needs are required to learn about encouraging all levels of students to engage in learning mathematics. A minimum number of 50 hours in the secondary classroom for observation and aiding in instruction are required, as well as courses in classroom management and methods of teaching in the K-12 classroom. Additional coursework includes a range of mathematical courses from beginning college level mathematics through higher level and / or proof-based courses.

This major, as designed, is intended to encompass courses for the minors in both education and mathematics. These courses will support the major by offering strong support in the courses listed above with sufficient classroom observation time. This major directs the student toward pursuing a career as an aide in the secondary mathematics classroom, with the potential of pursuing a Master's Degree in Teaching.

Required Courses:		Hours
EDU 101	Introduction to Teaching	1
EDU 231	Education of Exceptional Individuals	3
EDU 233	Adolescent Growth and Development	3
EDU 290-291	Foundations of Education/Education Practicum I	5
EDU 392-393	Teaching Reading in the Content Area/Ed. Prac. II	4
EDU 433	Teaching Mathematics in Middle and Sec. Schools	3
MAT 114	Elementary Statistics	3
MAT 124	Calculus I	5
MAT 214	Calculus II	4
MAT 351	Methods of Teaching Elem. and Middle School Math	3
MAT 314	Higher Geometry	3
MAT 422	Modern Algebra	3
EDU/PSY 221	Educational Psychology	3
CSC 104	Programming Logic and Design	3
MAT 231	Mathematics for Elem. and Middle School Teachers	3
MAT 121	Pre-Calculus	3

2014/15

Educational Youth Leadership

This major combines coursework in education curriculum and leadership studies. In field work with a variety of ages and in coursework about youth, leadership, and methods of learning, this major will prepare the student to work in educational, social work, and recreation/camping fields. Someone with this major will educate children to be able to learn on their own outside of the classroom, whether it will be in an outdoor setting or team work setting.

The student will be led through the team building activities that will be designed to bring groups together while building self-confidence in individual students. These activities will promote a healthy living lifestyle and self-confidence to succeed in their future endeavors.

Required Courses:			Hours
EDU 101	Introduction to Teaching		1
EDU 203	Teaching Art, Music, and Language Arts		3
EDU 207	Health, Physical Education, and Safety in Elementary		3
EDU 210	Literature for Children and Youth		3
EDU 221	Educational Psychology		3
EDU 230	Child Growth and Development		3
EDU 231	Education of Exceptional Individuals		3
EDU 290	Foundations of Education		3
EDU 291	Education Practicum I		2
EDU 308	Teaching Social Studies.		3
EDU 385	Diversity in Education		3
EDU 399	Internship		3
LST 131	Event Management		1
LST 205	Mediation and Conflict Resolution		3
LST 300	Group Dynamics		3
LST 300	Cross Cultural Leadership		3
PED A45	Recreational Games		1
			Total: 44 hours

2012/13

Elementary and Early Childhood Curriculum: Focus on Special Education

This major is made up of educational theory and methodology coursework in content, with a focus on special needs learners in the classroom. This major prepares students for further graduate study in the field of special education, providing the basis of knowledge of what is required for basic curriculum for all learners aged 3 to 12. This major also incorporates analysis of how content can be adapted for differentiated learning.

Required Courses:			Hours
EDU 101	Introduction to Teaching		1
EDU 290	Foundations of Education		3
EDU 291	Education Practicum I		2
EDU 231	Education of the Exceptional Individual		3
EDU 288	Assessment in Early Childhood Education		2
EDU 203	Teaching Art, Music, and Language Arts		3
EDU 230	Child Growth and Development		3
EDU 380	Integrated Curriculum in Early Childhood Education		3
EDU 385	Diversity in Education		3
EDU 280	Programs in Early Childhood Education		3
EDU 306	Teaching Elementary Reading		3
EDU 308	Methods of Teaching Social Studies in Elementary/Middle Schools		2
EDU 310	Methods of Teaching Science in Elementary/Middle Schools		2
EDU 392	Reading in the Content Area		2
EDU 393	Education Practicum II		2
			Total: 37 hours
Other Required Courses:			
MAT 231	Math for Elementary Teachers		3
EDU 453	Classroom Organization and Management		3
EDU 398	Early Childhood Education Curriculum and Research		3
EDU 417	Advanced Practicum		6
EDU 490	Education Seminar		3
Courses that count for Upper Level credit outside the major:			
MAT 351	Methods of Teaching Elem./Middle School Mathematics		3

2014/15

Elementary Teaching with Multicultural Focus

This major combines the acquisition of teaching abilities and knowledge of multicultural settings. Coursework is combined from the departments of Education, Asian Studies, Transnational Studies and Leadership Studies. The major seeks to prepare the student with a strong understanding and appreciation of cultures across the globe, and also for the student to design and carry out appropriate teaching experiences for elementary aged children, particularly in the area of multicultural education.

Elementary Teaching with a Multicultural Focus would prepare the student for a career as a resource teacher or teacher's assistant in many different educational settings. In addition to teaching in schools, it would also be good preparation for any of the human development or social institutions such as case workers, service organizations, camp counselors, or sales areas related to educational materials.

Required Courses:		Hours
ASN 201	Asian Studies	3
EDU 101	Introductions to Teaching	1
EDU 203	Teaching Arts, Music and Language Arts	3
EDU 210	Literature for Children and Youth	3
LST 201	Leadership Theory	3
EDU 230	Child Growth and Development	3
EDU 231	Education of Exceptional Individuals	3
EDU 306	Teaching Elementary Reading	3
MAT 231	Mathematics for Elementary & Middle School Teachers	3
EDU 392	Teaching Reading in Content Areas	2
EDU 393	Education Practicum II	2
EDU 441	Reading Assessment and Advancement	3
TNS 200	China, Mongolia, and Russia	4
EDU 385	Diversity in Education	3
EDU 417	Advanced Practicum	6
		Total: 45 hours

Other Required Courses:

EDU 290	Foundations of Education	3
CHN 101	Chinese 101	4
EDU 291	Education Practicum I	2
EDU 221	Education Psychology	3
EDU 310	Methods of Teaching Science in Elem./Middle School	2
EDU 308	Methods of Teaching Social Studies in Elem/Middle Sch.	2

Courses that count for Upper Level credit outside the major:

MAT 351	Methods of Teaching Elem./Middle School Mathematics	3
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2013/14

Environmental Conservation

The Environmental Conservation major will provide a conceptual framework of the skills and understanding needed for students to analyze the symbiotic relationship of humans and the environment. Students will gain the knowledge to combat this epidemic of apathy and to explore ways in which humans can preserve and enhance their environment.

Environmental Conservation majors are sufficiently prepared for entry-level positions in a wide variety of fields because of the comprehensive nature of the curriculum. Introduction to Sociology and Cultural Anthropology address social and cultural constructs which in turn impact the environment, while courses like Introduction to Ethics, Psychology as a Social Science, Introduction to Geography, Elementary Statistics, and Environmental Politics and Policy provide students with a multidimensional understanding of humankind's relationship with the environment. Courses such as Introduction to Physical Geology Earth Systems, Environmental Science, Ecology and Field Biology, Hydrogeology, Introductory Soils, and Environmental Assessment give the conservation major a requisite scientific knowledge of the multifaceted ecosystem. Most importantly, the Internship enables the student to take knowledge gained in the classroom and on specialized field trips and to apply it in the workplace. The Internship, as well as a variety of the classes in Westminster's general studies curriculum, reinforces not only effective oral and written communication skill, but also team work through group presentations and activities. This program of science-based and relevant social science courses will strengthen the student's ability both to analyze current environmental conditions and to inculcate in others a respect for the symbiotic relationship of humans and the environment so that the gap industry and technology have created between man and the natural world may be bridges. These academic and professional experiences will be an invaluable asset to the graduate upon entering the competitive work sector.

Required Courses:			Hours
BIO	305	Ecology and Field Biology	4
CHM	114/115	General Chemistry I with Lab	4
ENV	105	Introduction to Environmental Science	3
ENV	399	Internship	3
ENV	405	Environmental Assessment	3
GEO	108	Introduction to Physical Geology	4
GEO	110	Earth Systems	4
GEO	305	Hydrogeology	3
GEO	310	Introductory Soil Science	4
GOG	101	Introduction to Geography	3
MAT	114	Elementary Statistics	3
PHL	212	Introduction to Ethics	3
POL	326	Environmental Politics and Policy	3
PSY	113	Psychology as a Social Science	3
SCA	111	Introduction to Sociology	3
SCA	115	Introduction to Cultural Anthropology	3
			Total: 53 hours
Recommended Course:			
CHM	124/125	General Chemistry II Lecture and Lab	4

2010/11

Events Management

The Events Management major will be offered primarily through the Westminster College departments of Business, Communication, and Leadership. Course work is designed to focus on planning all aspects of events and interaction with people in different settings.

The Major develops an appreciation for the different aspects that go into planning an event. The management and leadership courses will prepare the student to organize, coordinate, and motivate teams, and ensure the effective allocation of resources, for the timely completion of complex projects. The Mediation and Conflict Resolution course will teach the student how to deal with people in a calm fashion so that everyone can come to an agreement. The communication courses polish listening skills that are needed when dealing with clients, and teach one how to communicate their thoughts in the best way they can. The Business and Professional Communication course will teach one how to communicate effectively with businesses involved in the event (e.g. florist, caterer). In the accounting course, the student will learn how to choose different businesses based on their financial success.

This major will help one gain the knowledge and experience needed to effectively interact with people. A student majoring in this will be able to figure out how to organize, coordinate, and run events to the satisfaction of their clients. It is the hope that the courses involved in this major will help the student make a difference in their future clients' lives.

Required Courses			Hours
ACC	215	Principles of Financial Accounting	4
BUS	220	Fundamentals of Management	3
BUS	250	Principles of Marketing	3
BUS	326	Human Resource Management	3
BUS	327	Operations Management	3
BUS	399	Internship	3
LST	131	Event Management Leadership	1
LST	201	Leadership Theories and Practices	3
LST	205	Mediation and Conflict Resolution	3
MIS	201	Introduction to Information Systems	3
MIS	202	Information Systems Lab	1
MIS	210	Spreadsheet Applications in Business	3
REL	102	World Religions	3
SPE	101	Introduction to Speech Communication	3
SPE	203	Intrapersonal Communication	3
SPE	310	Business and Professional Communication	3
			Total: 45 hours
Recommended Course:			
BUS	325	Entrepreneurship	3

2011/12

Exercise Training and Performance

The Exercise Training and Performance Major focuses on the broad coverage of issues related to exercise training: management of training facilities, scientific principles of exercise, role of nutrition in performance, the psychology of health and sport performance, and program development.

Drawing from all of these related areas, the graduate will appreciate the importance of informed practice, safety in implementation, and responding to client's individual needs.

This major will allow the graduate to work with athletes in training for sport as well as work with populations of people interested in exercise as a way to live healthy and productive lives.

Required Courses			Hours
HES 104	First Aid with Cardiopulmonary Resuscitation (Fee)	1	
HES 204	Fitness and Wellness Concepts	2	
HES 220	Social Science in Sport	2	
HES 230	Introduction to Prevention and Care of Athletic Injuries	2	
HES 231	Sports Psychology	3	
HES 309	History and Philosophy of Physical Education	2	
HES 406	Management in Physical Education and Athletics	2	
BIO 107	Intro to Human Biology/Lab	4	
HES 321	Kinesiology	3	
HES 251	Introduction to Nutrition	3	
HES 300	Capstone Research	3	
HES 350	Theories of Adapted Physical Education	3	
HES 398	Independent Study	1	
PED 314	Coaching Theory of Basketball	2	
PED A10	Weight Training and Body Building	1	
			Total: 34 hours

2014/15

Field Biology

The Field Biology major will be offered through Westminster's department of Biology. The course requirements will support the studies of field studies and organism biology, particularly zoology. The courses chosen for this major will total 35 hours of credit.

The Field Biology major allows the study and understanding of various biological processes, as well as the genetic makeup of organisms and their environments. Three required courses are categorized in Westminster's biology major program as Level III "field" courses (Ecology, Phycology, and Biology in Belize). These courses involved diverse biological studies, such as population analyses, water quality tests, organism behavior observations, and many more topics. The cetacean behavior course provided experience in hypothesis driven experimentation and observations of dolphin behaviors. This course integrated statistics with the biology lessons, which led to the student's co-authorship within a scientific journal with a reputable cetacean researcher, Dr. Jeffrey Siegel. Other courses (Evolution, Vertebrate Biology, and Genetics) provided knowledge on the evolutionary processes in biology and the adaptations that occur among organisms. These courses allowed for the understanding and observation of natural, evolutionary reactions in nature.

The courses required for this major complement the student's other major in Communications. Medical Visions in Literature and Medical Terminology incorporated in the Communications major provide the practice of effective communication skills in the field on biological sciences. The conversion of technical, scientific terms into layman's terms is a useful skill to possess when exploring careers in the field of biology, as well as communications.

Required Courses		Hours
BIO 114/115	Biological Processes and Lab	4
BIO 124/125	Biodiversity and Lab	4
BIO 205	Ecology/ Field Biology	4
BIO 220	Evolution	3
BIO 300	Vertebrate Biology	4
BIO 301	Genetics	4
BIO 309	IS Phycology	4
BIO 320/321	Biology in Belize	4
BIO 499	Cetacean Biology	3
CHM 115	General Chemistry I Lab	1
		Total: 35 hours

2014/2015

Global Leadership and Social Entrepreneurship

The Global Leadership and Social Entrepreneurship major will be offered through the Westminster departments of Leadership, Transnational Studies, and International studies. Coursework is designed to study the nature and complexity of transnational and international relations/business, preparing students to be active leaders not only in the communities in which they live but in the global community. It also encourages social entrepreneurship as a key component in achieving societal change.

The major develops an appreciation for the role of leadership and societal entrepreneurship in society, the moral and ethical dimensions of global leadership and social entrepreneurship, and diverse cultures, as it is an essential factor to being a leader on a global scale. This major provides the student with a mindset aimed at achieving positive social change, using critical thinking. It also focuses on creative problem-solving and moral and ethical reading to develop novel strategies that are effective and sustainable.

Where there is a group, there will be a leader. Thus, Global Leadership and Social Entrepreneurship will well prepare students for entry level positions in a wide variety of organizations, if not their very own. In addition, graduate programs are available across the country for further study at the master's and doctoral levels. Students find ready employment in business, education, research, sales, law, computer science, medical, and/or starting their own business.

Course Number	Title of courses	Hours
TNS 200	Argentina Pre-Course	2
TNS 200	Argentina Travel Course	1
INT 212	Model UN Team	2
INT 210	Model United Nations	2
LST 200	Social Entrepreneur Innovation Lab	3
LST 400	LST Capstone/ Leadership Lab	3
POL 300	POL Security of Dev. Nations	3
LST 201	Leadership Theories and Practice	3
LST 205	Conflict Mediation and Resolution	3
SPE 203	Interpersonal Communication	3
TNS 212	Intro to International Politics	3
LST 300	Cross-Cultural Leadership	3
BUS 340	International Business	3
POL 400	Comparative Political Seminar	3
	Total hours	57
	Total Upper Level Course Work Hours	35

2016-2017

Health and Exercise Science

The major in Health and Exercise Science will be offered through Westminster College's departments of Biology and Physical Education and program in Athletics. Foundational coursework in the biological and chemical sciences, as well as in kinesiology, human anatomy, nutrition, and exercise physiology develops an understanding of how the human body operates.

The major will also develop a working knowledge of processes and mechanics of the human body (from youth to old age) in a variety of situations. The major will also develop an understanding of how to design regimens and programs that strengthen physical and psychological functioning. It will also provide knowledge about how to take care of injuries sustained during athletic training and competition and during daily life activities. This knowledge will help in the development of safe practices for sports and to help the non-athlete perform to the best of his or her ability.

The major will prepare the student for employment in athletic and equine training programs and for graduate education in psychology, physical and occupational therapy, and other health-related professions.

Required Course:		Hours
BIO 108	Introduction to Biological Principles	4
BIO 107A	Introduction to Human Anatomy/Lab	4
CHM 114/115	General Chemistry II Lecture/Lab	4
CHM 314/315	Organic Chemistry II Lecture/Lab	4
ITS 199	Athletic Training Internship	3
PED 104	First Aid and CPR	1
PED 204	Fitness & Wellness	2
PED 230	Prevention & Care of Athletic Injury	3
PED 321	Kinesiology	3
PED 340	Exercise Physiology	3
PED 350	Theory of Adapted Physical Education	3
PED 231	Sports Psychology	3
PSY 290	Biological Psychology	3
Total: 37 hours		
Recommended Course:		
EDU 230	Child Growth and Development	3
PED 220	Social Science in Sports	2
SMG 100	Introduction to Sports Management	3
SMG 310	Sports Law	3
Total: 48 hours		

Human Computer Interaction

The Human Computer Interaction major will be offered primarily through the Westminster College departments of Management Information Systems, Computer Science and Psychology. The major is designed to study the complexity of Human nature and how it changes the interaction with technological devices.

The major mainly delves into the biological psychology of using technological devices and how to change said devices to better fit humans. The major develops appreciation for not only the design of technologies but the effect it plays on productivity, the digital divide and social implications (cyber-culture). Psychology courses would provide insight into why we use these technologies and in what ways it could be changed to optimize it. Computer science courses will provide the programming background for creating/changing the devices. MIS courses will provide understanding of how to implement the devices and provide a platform for tooling up in terms of existing technology. Finally, a few project based independent study courses would bridge any gaps created by rapidly changing world. The role this major takes is developing individuals who will shape the future use of technology.

The major is designed to fit into HCI graduate Programs, the selected courses deal with the requirements for graduate programs. There is also a vast market for graduates with HCI degrees, because the ever changing world is in need of better ways to optimize productivity, and through technology make our lives that much easier.

Required Courses			Hours
PSY	112	Psychology as Natural Science	3
PSY	370	Sensation and Perception	3
MAT	114	Elementary Statistics	3
MAT	313	Math Prob/Stat	3
CSC	104	Prog Logic/Design	3
CSC	111	Algorithm/Prog I	3
CSC	211	Fund CSC II	3
CSC	205	Algo/Prog II	3
CSC	327	Database Management System	3
CSC	350	System Analysis Ds	3
CSC	411	Topic in Prog	3
MIS	201	Intro to Inf. System	3
MIS	360	Decision Science	3
ITY	300	IT R&D LAB II	1
			Total: 40 hours
Other required Courses:			
MIS	398	Human Computer Interaction	3
MIS	398	Brain Computer Interaction	1
MIS	398	Development of Assistive Devices	3
MIS	300	Innovative Management	3
SCA	300	Cyber Culture	3

2012/2013

Human Resources Management

The Human Resources Management major will be offered primarily through Westminster College departments of Business, Psychology, Speech, Leadership and Education. The coursework is designed to focus on the study of human relationships, especially those at the workplace and coordinating the administrative functions of organizations.

The major develops an appreciation for the various methods of recruiting, interviewing and hiring of new staff. It also entails strategic planning and serving as a link between the managers and employees of an organization. Business courses will allow insight into the day to day management processes and protocols. They will also allow insight into the various problems that may occur in the business environment and will provide information on where these problems take place most. Courses in psychology will allow insight into general human activity and how human beings respond to different situations. This will allow the increase in the chances of early detection of problems in an organization, in order to attend to them before they become serious problems. Courses in speech will allow the development of communication skills which is crucial in the Human Resource Management field. Good communication allows flow within an organization. Courses in leadership will allow knowledge of how leaders should behave and address issues in order to ensure the most desirable and beneficial outcome. Finally, courses in education will help in the recruiting and training of new staff in an organization, when good training will be needed to get new staff established.

A bachelor's degree in human resource management is sufficient for entry-level positions however graduates in the field can go on to master's program all over the country. Areas of employment are throughout the economy and require good interpersonal skills due to travelling nature of some positions.

Required Courses:		Hours
BUS 220	Fundamentals of Management	3
BUS 221	Management and Organizational Behavior	3
BUS 326	Human Resources Management	3
PSY 304	Industrial Organization Psychology	3
SPE 203	Interpersonal Communication	3
LST 201	Leadership Theory and Practice	3
LST 210	Leadership Non-Profit Organization	3
EDU 231	Education for Exceptional Industry	3
BUS 399	HR Assistant Internship	3
BUS 399	Professional Development Internship	3
CSC 101	Intro to Computing	3
PSY 312	Developmental Psychology	3
SPE 101	Intro to Speech	3
		Total: 45 hours

Humanities through Visual Design and Literature

The self-designed major in Humanities through Visual Design and Literature is offered primarily through the Westminster College Department of French and the William Woods Department of Art (MMACU coursework), with supplemental coursework from the Westminster departments of English, Environmental Science, Classics, Computer Science, and Psychology. The focus of this major is on developing an understanding of the Humanities through conceptual analysis, practical expression, and critical appreciation of interdisciplinary works of visual design and literature in different mediums from different time periods and across diverse cultures.

The foundation for the design aspect of this major is achieved through coursework in Basic Design, Drawing, and Painting (WWU-MMACU). These topics are enhanced by coursework in Graphic Arts, Digital Photography, and a Visual Aids Design Internship. It is also bolstered by coursework in Psychology, emphasizing visual perception, as well as coursework in Computer Science, which emphasizes the design of aesthetically pleasing interfaces. The study abroad trip to the Moors of England provides the student with an understanding of the effect of a culture and place on literature as an expression of social and gender realities of the era in which the work was inspired. Greek and Roman Civilization courses demonstrate to the student how disparate cultures throughout history use visual design and literature to express the sociopolitical customs impacting the human experience of their time. Courses in French Literature also demonstrate these principles, but follow a specific culture as it evolves over time.

A student who successfully completes this major will have developed an appreciation of aspects of the Humanities as expressed through visual design and literature. This is relevant for a number of majors within a liberal arts education, as it integrates cross disciplinary content and applies visual and literary design to the understanding of the human elements within a specific context. In addition, the student is prepared to engage in further study at the graduate level in Human Computer Interaction, Biblical History, Languages, and Culture, Visual Design, or Literature

Required Courses:		Hours
ENV 300	Env of Moors	1
ENV 300	Env of Moors	2
FRE 359	Ind. In Society II	3
FRE 358	Ind. In Society I	3
CLA 227	Greek Civilization	3
CLA 228	Roman Civilization	3
ENG 238	American Literature I	3
PSY 300	Sensation & Perception	3
FRE 362	Francophone Civilizations	3
FRE 362	Francophone Civilizations	3
ART 299	Painting I	3
ART 299	Drawing I	3
ART 299	Drawing II	3
ART 200	Digital Photography	3
ART 215	Graphic Arts	3
		Total: 42 hours

Other Required Courses:

ITY 250	Web Page	3
CSC 205	Visual Basic	3
PSY 112	Psychology Social Science	3
PSY 113	Psychology Natural Science	3
FRE 399	Crs Vis Aid Int	1

2014-2015

Information Technology Management for Organizations

Information Technology Management for Organizations is a major designed in response to a demand from the industry for managers with equally strong, managerial and IT technical skills. ITMO is a transdisciplinary field which merges computer science/IT courses, managerial/business courses, and organizational studies and leadership. The major is offered through the Computer Science department. Upon completing this major one can pursue a career in IT Management, IT Consulting, Business Intelligence, Project Manager and Business Strategy and Planning or go for a graduate degree in Information Technology, Computer Science, Organizational Development graduate programs.

This major contains fundamentals of Web Technology, Computers Systems and Analysis, Network Administration, Database, Management Information Systems, alongside key management and organizational modules such as Fundamentals of management, Operations Management, Organizational Development and Change and Leadership Theories and Practices.

Through combining these disciplines one will be prepared to work at high management level within organizations where IT systems are becoming increasingly dominant and pervasive.

Required Courses:			Hours
ACC	215	Principles of Financial Accounting	4
BUS	220	Fundamentals of Management	3
BUS	221	Management and Organization	3
BUS	318	Corporate Financial Management	3
BUS	326	Human Resource Management	3
BUS	327	Production Management	3
BUS	499	Upper Level Elective	3
ACC	215	Principles of Financial Accounting	4
CSC	327	Database Management Systems	3
CSC	350	System Analysis and Design	3
CSC	454	Computer Science Practicum	1
ITY	177	Foundations of Information Technology Science	3
ITY	232	Computer Networking	3
ITY	250	Web Page Design, Aesthetics, and Interaction	3
ITY	300 B	Data Science	3
ITY	400	Design Thinking/Wicked Problems	3
ITY	300	IT in the Organization	3
ITY	460	Network Administration	3
LST	201A	Leadership Theory/Practice	3
LST	300A	Cross Cultural Leadership	3
LST	401	Organizational Leadership Mentoring	3
MIS	201	Introduction to Information Systems	3
MIS	202	Introduction to Information Systems Lab	1
MIS	210	Spreadsheet Applications in Business	3
			Total: 66 hours

2013/14

International Business and General French

The International Business and General French major will be through the Westminster departments of Business, Accounting, and French. Course work is designed to study the basic idea of business and the general knowledge of French by creating a course that will enable an understanding of the study of business connecting it to a foreign language, which is French.

The major develops an appreciation of how business runs internationally and how French language is used to communicate both formally and informally. The major will strengthen the ability to understand how business and foreign languages are related. Finally, students will develop the knowledge relating to business in general and will be able to apply French into real life practices giving the student a global perspective on business.

International Business and General French majors are prepared for working in the business field since they will gain an adequate knowledge about how business works globally. Moreover, the students will be able to apply their French knowledge both inside and outside of their work place. It is important to know that foreign languages play an immense role in international business. Therefore, the creation of the International Business and General French will drive the importance for such a major.

Required Courses:			Hours
BUS	220	Fundamental of Management	3
BUS	250	Principles of Marketing	3
BUS	318	Corporation Finance Management	3
BUS	340	International Business	3
ACC	215	Financial Accounting	4
FRE	101	Elementary French I	4
FRE	102	Elementary French II	3
FRE	203	Intermediate French I	2
FRE	204	Intermediate French II	3
FRE	303	Advanced French Conversation	3
FRE	306	Advanced Grammar and Composition	3
FRE	300	Intro to French Translation Theory and Practice	3
			Total Hours: 37

2014/15

International Business and Politics

The international Business and Politics major will be offered through the Business, Political Science, Transnational Studies, and Accounting departments. Course work is designed to give the student an understanding of the complexities of international business and its interrelatedness with politics and law. Particular emphasis will be given to international marketing and management activities.

The major develops an appreciation for the increasingly international nature of business, and the increasing impact of business on politics and politics on business. To better the students understanding of marketing to international audiences and monitoring international regulatory environments, extra attention to methods of operating outside of the domestic market will be taught, especially in regards to culture, language, government, and politics. The ability to analyze these international business elements and subsequently plan, market, and execute a business or marketing plan will be developed. Lastly, students will develop the ability to communicate effectively in a professional environment.

International Business and Politics majors will be well prepared for entry-level positions in a wide variety of public, private, and not for profit organizations. Increasingly organizations are valuing individuals with educations well suited to understand the interplay between the public and private worlds, something the major emphasizes. Additionally, students will be well prepared for both business and liberal arts graduate programs.

Course Number	Course Title	Hours
FRE 101	Elementary French 1	4
FRE 102	Elementary French 2	4
TNS 201	Intro to International and Transnational Studies	3
ACC 215	Fundamentals of Financial Accounting	3
POL 305	International Law Organizations	3
BUS 220	Fundamentals of Management	3
BUS 409	International Trade Internship	5
BUS 223	Business Law	3
BUS 250	Principles of Marketing	3
BUS 322	Cross-Cultural Management	3
BUS 340	International Business	3
HIS 300	Decolonization in Africa	3
	Total hours for major:	40
	Total upper level course hours for major:	17

2016-2017

International Studies with a Concentration in Middle Eastern Studies

The purpose of this major is to allow for students to study Middle Eastern Studies as a concentration (like Latin American Studies or European Studies) in the traditional International Studies major. Although it is a SDM, it will be highly regarded as a solid “global” type program upon graduation. Several excellent Middle Eastern Studies programs exist both in the United States, Europe, and in the Middle East itself. The student plans on going to graduate school in Middle Eastern Studies after graduation and has a passion for helping western audiences understand the social, economic, cultural, political, and historical aspects of the Arab and Islamic worlds. This self-designed major will help the student not only gain a broader, global perspective on the Arab world, but also to academically prepare for graduate school and eventual work in the public or private sectors both in the United States and abroad.

Required Courses:			Hours
ASN	201	Asian Studies	3
INT	201	Introduction to International Studies	3
INT	210	Model UN Team	2
INT	212	Model UN Team	2
INT	401	Senior Thesis	3
INT	401	Junior/Senior Seminar in International Studies	3
LST	201	Leadership Theories and Practice	3
POL	212	Introduction to International Politics	3
POL	300	Political and Religious Themes	3
POL	305	International Law and Organization	3
POL	308	Post-Soviet Politics	3
POL	398	Independent Study	3
			Total: 34 hours

2011/12

International Studies with a Concentration in Middle Eastern Studies

The purpose of this major is to allow for students to study Middle Eastern Studies as a concentration (like Latin American Studies or European Studies) in the traditional International studies major. Although it is a SDM, it will be highly regarded as a solid global type program upon graduation. Several excellent Middle Eastern Studies programs exist both in the United States, Europe, and in the Middle East itself. The student plans on going to graduate school in Middle Eastern Studies after graduation and he has a passion for helping western countries such as Iraq in the process of rebuilding themselves. This self-designed major will help the student not only gain the appropriate tools needed to help rebuilding the Arab world, but also to academically prepare for graduate school and eventual work in the public or private sectors both in the United States and the Middle East.

Required Courses:			Hours
ASN	201	Asian Studies	3
ECN	310	International Trade and Finance	3
INT	201	Introduction to International Studies	3
INT	210	Model UN Team	2
INT	212	Model UN Team	2
INT	401	Junior/Senior Seminar in International Studies	3
LST	201	Leadership Theories and Practice	3
POL	201	Asian Studies	3
POL	300	Political and Religious Themes	3
POL	305	Global Governance	3
POL	326	Environmental Politics and Policy	3
POL	398	Independent Study	3
			Total: 34 hours

Recommended Courses:

ENG	270	Expository Writing	3
SPE	203	Interpersonal Communication	3

Journalism with Emphasis in Sports

The Journalism with Emphasis in Sports major will allow students to hone their skills in writing, reporting, and editing while focusing on issues relating to athletic events and figures and sports culture. The reason for having this major is to prepare students for a wide variety of careers in the fields of journalism and sports journalism, including reporter, editor, broadcaster, investigative journalist, freelance journalist, and many more. These careers are important because journalists possess the potential to have great influence over public opinion and public knowledge.

For my particular major, I will take courses in English, to provide further practice in reading and writing; computer science, to prepare for some of the programs I might work with; baseball, a sport I could write and report about; stereotype / prejudice, to help identify my own as a writer; speech, to prepare myself for broadcasting; and transnational studies, to gain perspective in current events and newsworthy issues.

I am unsure exactly what I will do for my capstone experience, but it will involve investigative sports journalism. As my advisor suggested, my capstone experience could be a piece about Westminster's athletic program or an in-depth article about athletics in Fulton. For the first option, Dr. Tuthill gave the examples of Westminster's athletic history, the quality or status of the programs, or how they support student enrollment or affect student achievement. Regarding athletics in Fulton, she suggested researching the city's Parks and Recreation program, local sports teams, and famous athletes from Fulton, including Tony Galbreath, Bake McBride, and Helen Stevens.

Course Number	Course Title	Hours
CSC 300	Data Science	3
ENG 200	Columns Lab	1
ENG 270	Expository Writing	3
ENG 275	Intro to Creative Writing	3
ENG 290	Critical Practice	3
ENG 355	Early American Media	3
ENG 372	Creative Writing - Fiction	3
ITY 250	Web Page Design	3
PED 313	Coach Theory of Baseball	2
PED 333	Sport of Baseball	1
PSY 300	Stereotype and Prejudice	3
SPE 101	Intro to Speech	3
TNS 201	Intro to International & Transnational Studies	3
ENG 3XX	Capstone Experience	TBD
	Total hours for major:	34
	Total upper level course hours for major:	15

2015-2016

Marketing and Management

The Marketing and Management major will be offered primarily through the John E. Simon Department of Accounting, Business, Economics, and Management Information Systems at Westminster College. The Management side of the major develops an appreciation for the various ways that management can be utilized to manage and lead a group of employees to complete major projects as a team, and use their time efficiently. The Marketing side of the major will help the student develop the skills to grab the population's attention and various techniques concerning how to sell something with an advertisement or a flyer with very few words. After completing this major, students will be in a position to enter a company that looks for independence, team leadership skills, and skills to advertise and sell a product.

Required Courses:			Hours
ACC 215	Principles of Financial Accounting		4
BUS 220	Management		3
BUS 250	Marketing		3
BUS 300	Sales Management		3
BUS 300	International Marketing		3
BUS 300	Cross-cultural Management		3
BUS 330	Advertising		3
BUS 334	Consumer Behavior		3
BUS XXX	Upper level Management or Marketing elective		3
ECN 211	Macroeconomics		3
PSY 113	Psychology as a Social Science		3
			Total: 34 hours
Recommended Course:			
LST 200	Group Dynamics and Building Teams		3

2012/13

Marketing Management

The Marketing Management self-designed major will be offered through Westminster's program of Business Administration and CEA Study Abroad Program in Italy. The coursework associated with this major supports the study of changing markets and influences in the commercial world for the purpose of designing and implementing effective marketing strategies tailored to specific products. The coursework is also designed to support the study of effective managerial methods that can be implemented in the workplace in order to obtain the most harmonious and productive outcome for workers. Coursework will also be offered through CEA Study Abroad Program in Italy for the purpose of introducing the student to the complexities of the international business community, specifically business ethics and management practices in a global context.

Course Number	Course Title	Hours
BUS 220	Fundamentals of Management	3
BUS 250	Principles of Marketing	3
BUS 322	Cross-Cultural Management	3
BUS 330	Advertising	3
BUS 315	Sports Management	3
BUS 300	Retail Management	3
BUS 326	Human Resource Management	3
BUS 3XX (CEA)	Business Ethics & Management in a Global Context	3
BUS 3XX (CEA)	International Business	3
BUS 3XX (CEA)	International Marketing	3
MAT 114	Statistics	3
ITS 399	Internship	TBD
FLG 101	Beginning Italian I	4
	Total hours for major:	37
	Total upper level course hours for major:	24

2016-2017

Multicultural Early Education

The Multicultural Early Education Self-Designed Major contains courses from Asian studies, education, and political science. This major prepares the student to teach children from different cultures how to speak English and will help the student understand children's developmental and instructional methods.

Required Courses:			Hours
ASN 201	Asian Studies		3
EDU 101	Introduction to Teaching		1
EDU 203	Teaching Art, Music, and Language Arts		3
EDU 210	Literature for Children and Youth		3
EDU 230	Child Growth and Development		3
EDU 280	Programs in Early Childhood Education		3
EDU 291	Education Practicum I		2
EDU 306	Teaching Elementary Reading		3
EDU 308	Teaching Social Studies in Elementary		2
EDU 380	Introduction to Curriculum in Early Childhood Edu.		3
EDU 385	Diversity in Education		3
GEO 101	Introduction to Geography		3
PED 208	Creative Movement and Rhythms		3
POL 112	Introduction to Political Science		3
POL 212	Introduction to International Politics		3
			Total: 41 hours

Other Required Courses:

EDU 393	Education Practicum II	2
EDU 417	Advanced Practicum	2

2011/12

Marketing Management

The Marketing Management major will be offered through Westminster departments of Business Administration, Economics, and Management Information Systems. The course work associated with this major is designed to study the trends of changing markets and influences in the commercial world and implement them into the work place through managerial methods in order to find a balance between influence and work ethic.

The major studies how information is realized and absorbed through marketing and how it can be applied to management of workers in order to obtain the best results. Through marketing one can gain a better understanding of the different dimensions of each work field along with a better understanding of different cultures that can be applied to different departments in the workplace through management. This major will strengthen the understanding in the workplace and the use of information to produce the best outcomes through applying certain trends to influence progress and procedure. Finally, the marketing aspect will help communicate effectively in the workplace.

Marketing and Management majors are well qualified for entry level jobs and the combination of the two would further help at any beginning job level, if that be obtaining work or progressing through the ranks.

Required Courses:

		Hours
BUS 220	Fundamentals of Management	3
BUS 250	Principles of Marketing	3
BUS 318	Corporate Financial Management	3
ACC 215	Principles of Accounting	4
ACC 216	Principles of Managerial Accounting	4
BUS 327	Production Management	3
BUS 221	Management Practices and Organizational Behavior	3
BUS 300A	Sports Management	3
BUS 300	Quality Research	3
BUS 334	Consumer Behavior	3
BUS 300C	Sales Management	3
BUS 300	Cross Cultural Management	3
MAT 114	Statistics	3
	Total:	41 hours

2012/13

Middle Eastern Women Studies

This major will be offered through Women Studies, Political Science, and Leadership Departments. The main focus of the major will be on the study of culture, feminism, gender, and history and development of the Middle East.

This major will develop an understanding of the formation of women status in the Middle East through theoretical and factual concepts. It will expand with studying historic and current trends in Middle Eastern feminism. Moreover, it will provide a context in which to compare feminism throughout the world. Finally, it will provide a framework to understand steps and processes which are shaping modern Middle Eastern feminism.

Majoring in Middle Eastern Women Studies will prepare students who are interested in the Middle East to work towards supporting feminism. Students will gain knowledge of how to work and be part of humanitarian activism and that will allow them to start their career working with specialized humanitarian NGOs.

Required Courses:		Hours
WGS 210	Introduction to Women's Studies	3
HIS 300	History of Modern Middle East	3
POL 300	Middle East Politics	3
WGS/SCA 300	Gender and Society	3
ITS 3XX	Internship Women's Issues	3+
HIS 400	Middle Eastern Feminism	3

Lower Level Elective Courses: (One course in each category below)

International and Historical Perspectives: 9

POL 212	Introduction to International Politics
INT/TNS 201	Intro to International/Transnational Studies
HIS 109	World History I
HIS 110	World History II

Literary and Cultural Perspectives:

ENG 248	World Literature I
ENG 249	World Literature II
SCA 115	Intro to Cultural Anthropology

Ethical and Interpersonal Perspectives:

PHL 212	Introduction to Ethics
SPE 203	Interpersonal Communication

Upper Level Elective Courses: (Three courses from below) 9

PSY 301	Human Sexual Behavior
PED 355	Women's Health Issues

LST 300	Cross-Cultural Leadership
WGS/POL 300	Women in Politics
POL 300	Human Rights
SPE 303	Communication in Relationships
ENG 340	Gender and Literary Expression

Total: 36 hours

2013/14

Non-Profit Development Leadership

The student wishes to enter a career in fundraising for non-profits. Such a career will demand broad knowledge in leadership, economics, and business with applicability to the non-profit sector and fundraising. The self-designed program will focus first on core knowledge and abilities applicable to any business or non-profit-business, process management, management, and finance. The program then requires course work in the specific components necessary for work in non-profit and fundraising, specifically leadership and philanthropy. Leading volunteers, finding compelling ways to communicate your message, and managing organizational behaviors are requirements for success in non-profit fundraising. The program will also include practical experience in fundraising and leadership through an internship and independent study.

Required Courses			Hours
BUS	220	Fundamentals of Management	3
BUS	221	Management Practices and Organizational Behavior	3
BUS	250	Principles of Marketing	3
BUS	334	Consumer Behavior	3
ECN	212	Principles of Microeconomics	3
ENG	260	Introduction to Journalism	3
ENG	270	Expository Writing	3
ENG	376	Creative Nonfiction	3
LST	200	Legal Advocacy	3
LST	201	Leadership Theory	3
LST	210	Leadership of Non-Profit Organizations	3
LST	400	Development Leadership	3
MIS	220	People and Information	3
PHL	212	Introduction to Ethics	3
SPE	203	Intrapersonal Communication	3
SPE	303	Communication in Relationships	3
SPE	399	Internship: Fundraising	3
			Total: 51 hours

2011/12

Nonprofit Leadership

This Nonprofit Leadership major will be offered through the Westminster College departments of Leadership Studies and Religion. Course work is designed to develop an understanding of the fundamental components and requirements of nonprofit organizations, the importance of social justice and service to one's community in the modern world, and ability to craft hopeful, realistic, and constructive attempts to address communities' needs nationally and globally.

The interdisciplinary major emphasizes the importance of creativity, collaboration, and change in leadership, especially within the non-profit world. Students gain appreciation for how leadership translates in a cross-cultural experience and how the nonprofit sector is adapting to new styles of management. Students will learn theory and develop both knowledge and skills that will equip them with the tools needed to be successful contributors to the nonprofit sector.

Coupled with a Religious Studies major and Women's Studies minor, this major can be used in a variety of ways to improve communities ranging from the local to the global through grant writing for nonprofit organizations, advocating for issues of social justice from a faith-based perspective, or even teaching in an academic situation. This major will also be furthered with the experience of an internship, whether on or off campus, in a nonprofit setting that matches the students' passion and offers insight into the realities of working for a nonprofit organization.

Course Number	Title of courses	Hours
LST 201	Leadership Theories and Practices	3
LST 205	Mediation and Conflict Resolution	3
LST 210	Non-Profit Organization	3
LST 200	Social Entrepreneurship	3
LST 133	Environmental Leadership	1
LST 132	Religious Studies and Community Engagement	1
PSY 113	Psychology as a Social Science	3
*BUS 220	Fundamental of Management	3
MAT 114	Elementary Statistics	3
*LST 325	Cross Cultural Leadership	3
*LST 398	IS: Nonprofit Grant Writing	3
LST 401	Mentoring	3
REL 398	IS: Community Organizing	3
REL 300	God, Poverty, and the American Economy	3
	Total hours	38
	Total Upper Level Course Work Hours	15

2016-2017

Organizational Leadership Studies

The primary foundation of the Organizational Leadership Studies major rests on surpassing the requirements of the already established Leadership Studies minor and add elements of philosophy, business, and internships. Multiple mentoring positions are required to establish real world experience in the responsibilities of leadership.

Organizational Leadership Studies is designed to improve understanding of group dynamics and personal leadership style to mold a better and more conscious command of authority and the responsibility of leadership roles. The major will strengthen the ability to think critically about complex issues that face a group and develop the skills to create dynamics that include ethical action, innovation, and finally successful results.

Organizational Leadership majors are well prepared for quick advancement in careers that involve thinking and working in groups. Its roots in basic leadership models and studies will lead to further educational opportunities in the fields of political science, history, and management. Career opportunities include any occupation that requires teamwork and innovation, and is in popular demand in today's job market.

Required Courses			Hours
BUS	220	Fundamentals of Management	3
LST	131	The Leader Within	1
LST	131	Event Management	1
LST	201	Leadership Theories and Practice	3
LST	205	Mediation and Conflict Resolution	3
LST	210	Leadership in Non-Profit Organizations	3
LST	300	Group Dynamics	3
LST	399	Internship: Local Government	3
LST	399	Internship	3
LST	401	Leadership Studies Mentor	3
LST	401	Leadership Studies Mentor	3
PHL	101	Introduction to Philosophy	3
PHL	212	Introduction to Ethics	3
TNS	300	Cross-Cultural Leadership	3
			Total: 38 hours

Other Required Courses:

MAT	114	Elementary Statistics	3
PSY	113	Psychology as a Social Science	3

2011/12

Organizational Leadership in Public Change

The Organizational Leadership in Public Change is a trans-disciplinary approach to understanding the public sector in response to major social and political movements. The three main sections of the major are public sector studies, conflict studies, and organizational leadership and theory studies. Together, these fields provide a look at both violent and nonviolent movement that spur from unrest in society and the ethical response of organizations.

These studies seek a more thorough understanding of violence, not simply the overt and aggressive violence but also the covert violation of personhood. This is a violation perpetrated by systems of oppression that often go unnamed for generations. With completion of this major, students should gain an appreciation for complexity and the ability to critically analyze social systems.

Organizational Leadership in Public Change is designed to be an introduction to programs and careers in resiliency studies, conflict studies, city planning, community organizing, and public affairs.

Other leadership opportunities that enhance this program include Coro Internship in Public Affairs and the Chicago Program of Arts, Entrepreneurship, and Urban Studies.

Required Courses:	Hours
MAT 114 Elementary Statistics	3
ECN 211 Principles of Macroeconomics	3
INT 201 Introduction to International Studies	3
POL 211 American Government and Politics	3
HON 200 Social Justice and the City	3
SCA 115 Introduction to Cultural Anthropology	3
LST 205 Mediation and Conflict Resolution	3
REL 300 Religion and Violence	3
REL 300B Social Justice in Modern XN Thought	3
MUS 312 Music of Resistance, Revolution, and Liberation	3
POL 398A Study in Revolution	3
POL 398B Advance Study in Revolutions	3
LST 131 Event Management	1
LST 300 Group Dynamics	3
LST 210 Leadership in Non-Profit Organizations	3
LST 300 Cross-Cultural Leadership	3
PHL 212 Introduction to Ethics	3
LST 133 Leadership Philanthropy and Service	1
LST 200 Legal Advocacy	3
SPE 203 Interpersonal Communication	3
TNS 300C Innovation and Creativity	3
LST 398 Leadership & Practical Politics	2
POL 399 Legislative Internship	3
	Total: 64 hours

2013/14

Peace and Conflict Studies

The Peace and Conflict Studies major will be offered through the Westminster College departments of Political science, International Studies and Security Studies. Course work is tailored to focus on global conflicts and how countries seek to solve them and how they reach agreements.

The Major develops an appreciation for the importance of understanding how conflicts arise, how countries try to avoid conflicts and how they eventually solve these conflicts. It will also focus on how conflicts affect societies with the study of International Law and Organization, and Model United Nations and Human rights.

Required Courses:			Hours
Introductory courses:			
POL	212	Intro to International Politics	3
INT	201	Intro to International Studies	3
SCA	115	Intro to Cultural Anthropology	3
SEC	201	Intro to Security Studies	3
LST	205	Conflict Mediation & Resolution	3
TNS	210	Introduction to Model UN	2
Two courses from the following list:			
TNS	300	Cross-Cultural Leadership	3
POL	300	Women & Politics	3
POL	300	Human Rights	3
One course from the following list:			
POL	362	American Foreign Policy	3
POL	300	National Security Law	3
One Course from the following list:			
POL	305	International Law & Organizations	3
PHL/POL	400	Philosophy & Politics of War	3
Capstone course:			
TNS	401	Jr-Sr Seminar on Peace and Conflict Studies	3
			Total hours: 34

2014/15

Philanthropic Studies

The Philanthropic Studies major will be offered through the Westminster departments of Philosophy, Leadership, International Studies, Anthropology, and Business. Course work is designed to focus on the study of nonprofit organizations and their work, which includes a study and assessment of their structure and business practices, the effects they have on the communities in which they work, and goals and aspirations worth pursuing. This major develops an appreciation for the role and effect of nonprofit organizations within our global community. Students will develop key skills for a nonprofit career, as well as strengthen their critical thinking skills regarding nonprofit management and business practices, project development and problem solving, and morally-founded goals and aspirations. Students will gain a greater understanding of nonprofit organizations, so that they can narrow their focus down to the particular nonprofit field in which they are interested. Finally, this major will give them a better understanding of the cultures and problems faced by those living in our global community, so that they can better focus their nonprofit goals and project ideas.

Philanthropic Studies majors will be prepared to enter the nonprofit world and begin effectively contributing to the global community. For those interested in further education, it will make them stand out when applying for a number of graduate programs, including philanthropy, business, and law. They will be more competitive in the philanthropic field.

Required Courses:			Hours
BUS	221	People and Organizations	3
BUS	299	Skills for Management	3
LST	201	Leadership Theory and Practice	3
LST	205	Mediation and Conflict Resolution	3
LST	210	Leadership in Nonprofit Organizations	3
LST	210	Gender and Leadership	3
LST	399	Internship: Grant Writing	1
LST	399	Internship: Leadership in Nonprofits	3
PHL	101	Introduction to Philosophy	3
PHL	102	World Religions	3
PHL	212	Introduction to Ethics	3
PHL	218	Introduction to Logic	3
PHL	242	Biomedical Ethics	3
PHL	246	Environmental Ethics	3
PHL	398	Independent Study: Metaethics	3
PHL	410	Ethics and IT	3
POL	112	Introduction to Political Science	3
POL	300	Political and Religious Themes	3
POL	305	Global Governance	3
SCA	115	Cultural Anthropology	3
SCA	348	Medical Anthropology	3
			Total: 61 hours

Preparation for the Pharmaceutical Sciences

The purpose of this self-designed major is to prepare a student for a career in the pharmaceutical sciences. This major includes a number of chemistry courses, since that is the primary emphasis of the major. While focusing on chemistry, this major also incorporates many of the classes that are preparation for taking courses that are listed as part of the curricula of a number of well-respected pharmacy colleges.

For a major in Preparation for the Pharmaceutical Sciences, there is a need for the information and comprehension of both chemistry and biology concepts, along with a reasonable degree of knowledge from other disciplines that are related to fields involved with health care or human relations.

Required Courses:			Hours
BIO	114	Biological Processes	3
BIO	115	Biological Processes Lab	1
BIO	404	Biochemistry with lab	4
CHM	114	General Chemistry I	3
CHM	115	General Chemistry I Lab	1
CHM	124	General Chemistry II	3
CHM	125	General Chemistry II Lab	1
CHM	314	Organic Chemistry I	3
CHM	315	Organic Chemistry I Lab	1
CHM	324	Organic Chemistry II	3
CHM	325	Organic Chemistry II Lab	1
CHM	410	Medicinal Chemistry	3
ECN	211	Principles of Macroeconomics	3
MAT	124	Calculus I	5
PHY	201	General Physics I with lab	4
Ancillary Courses:			
BIO	124	Biodiversity	3
BIO	125	Biodiversity Lab	1
CHM	304	Inorganic Chemistry	3
MAT	114	Elementary Statistics	3
PHY	212	General Physics II with lab	4
			Total: 53 hours

2012/13

Queer Theology

The Queer Theology major will be offered primarily through the Westminster College departments of Religion, Women and Gender Studies, and Sociology. Course work is designed to focus on the study of the complexity of queer analysis primarily performed through a Christian lens. This major would prepare students for service in diverse environments within a religious context.

The major develops an appreciation for human sexuality within the foundations of religion, specifically Christianity. The major encourages the study of current controversial moral and ethical perspectives within the intersection of queer theoretical scholarship and the study of Christianity. Students will learn to appreciate human interactions on a global spectrum through engagement with queer theory and liberation theologians. The major will strengthen one's knowledge of human sexuality, in an effort to promote the comprehension of sociology within the context of both religion and queer theory.

Required Courses	Hours
WGS 210 Introduction to Women's Studies	3
REL 399 Independent Study Intro to Queer Studies	3
REL 399 Independent Study Queer Theology	3
REL 335 Sex and Gender in the Christian Tradition	3
Required Internship in area of Gender/Religion (Approved by advisor)	3 or more
	Total: 15

Lower-Level Elective Courses (One course in each perspective category from below)

International and Historical Perspectives	3
POL 211 American Government Politics	
POL 212 Introduction to International Politics	
INT/TNS 201 Introduction to International or Transnational Relations	
Sociocultural Perspectives	3
SCA 111 Introduction to Sociology	
SCA 115 Introduction to Cultural Anthropology	
Ethical and Interpersonal Perspectives	3
PHL 212 Introduction to Ethics	
SPE 203 Interpersonal Communication	
REL 101 Introduction to Bible	

Upper Level Elective Courses (Three courses from below)	9
EDU 385 Diversity in Education	3
SCA 300 Gender and Society	3
REL 307 Social Justice Through Modern Christian Thought	3
REL 316 Teachings of Jesus	3
WGS 300 Women in Politics	3
WGS 356 European Women	3
	Total Major: 33 hours

2014/15

Science of Information

The Science of Information is a transdisciplinary field dealing with information in just about all senses of the word. Information, using a modified definition from Gregory Bateson is “a difference that makes a difference.” Offered through the Management Information Systems department, Science of Information touches the fields of MIS, Computer Science, Psychology, Sociology, Philosophy, Leadership, Physics, and more. This major focuses on how information – in its basest forms to its complex forms – affects the human condition. A student granted a major in Science of Information will be prepared to go out into the world with knowledge of the six divisions (noted below). This major readies a person for moral and non-moral decisions with a focus on the emerging technological fields. A student will be prepared for admission to a traditional Computer Science, Mathematics, or Information Technology graduate program, although a Science of Information student could also continue their studies in any other field – from Linguistics, to Architecture, to Design, to Marine Biology, and on. Students in Science of Information will tackle problems with a transdisciplinary focus – aiming to understand problems at a systems level. Thus, it is incumbent upon the student to realize the many connections between all of his/her classes, how these connections fit into the big picture, and how many places the same topics arise.

The major is broken into six divisions and two capstones. The first division, *Introduction to Information Science*, introduces the student to the framework of information theory and science. Since many classes in the major are not geared explicitly toward the Science of Information, these introductory classes help a student focus on relevant Science of Information topics in their subsequent classes. This division is a foundation for the major and should be completed as early as possible.

The second division, *Nature of Information*, outlines the physical aspects of information and information processing at the most fundamental levels of the universe.

The third division, *Decision Factors*, investigates how information (and misinformation) affects individual decisions and group decisions. Either through this division, or through another class, the student should also get an idea of how computers make decisions.

The fourth division, *Societal Factors/Human Centered Design*, explores how humans relate to technology on the individual and societal levels. Also, this division looks at how technology is designed for humans and with humans in mind (or not).

The fifth division, *Representation, Storage, Retrieval*, examines how information is represented, stored, and retrieved in the systems it flows through. These systems could be the human mind, and artificial mind, or a computer.

The sixth division, *Ethical Factors*, focuses on the ethical implications of information technology and also how moral information is acquired, handled, justified, and changed.

Finally, there are two capstones – one theoretical and one concrete. The *Theoretical Capstone* is an essay written in a complementary 300 or 400 level course. It should be at least fifteen pages. Partially of argument, partially of exploration, the essay will bring together topics from most of the divisions. The *Applied Capstone* is a research project that results in a research paper. The research should have components of all the divisions with a section with suggestions for improving a system.

Required Courses:

Introduction to information science (all are required)

MIS 201 Introduction to Information Systems and lab

Hours

4

PHL	398	Independent Study: What is Information?	3
PHY	212	Physics II with lab	4
<i>Nature of Information (one course)</i>			
BIO	114	Biological Processes	3
BIO	220	Evolution	3
CHM	114	Chemistry I	3
CHM	115	Chemistry I Lab	1
ITY	177	Foundations of Information Technology Science	3
PHY	223	Physics III	3
<i>Decision Factors (one course)</i>			
BUS	334	Consumer Behavior	3
MIS	360	Decision Science and lab	4
MIS	3XX	Meta-Heuristics	3
<i>Societal Factors/Human Centered Design (one course)</i>			
BIO	3XX	Public Understanding of Science	3
LST	3XX	Cross-Cultural Leadership	3
MIS	220	People and Information	3
MIS	3XX	Innovation Management	3
SCA	300	Cyber Culture	3
<i>Representation, Storage, Retrieval (one course)</i>			
CSC	3XX	Artificial Intelligence	3
ENG	280	Introduction to Linguistics	3
ITY	3XX	Information Storage and Management	3
PHL	410	Philosophy of Mind	3
PSY	290	Biological Psychology	3
PSY	320	Memory and Cognition	3
PSY	370	Sensation and Perception	3
PSY	3XX	Cognitive Science	3
SCA	3XX	Sociology of Knowledge	3
<i>Ethical Factors (one course)</i>			
PHL	300	Ethics and Information Technology	3
PHL	410	Meta-Ethics	3
<i>Capstone (at least one research project)</i>			
XXX	398	Independent Study: Research	5
			Total: 31-33 hours
<i>Recommended Courses:</i>			
MAT	124	Calculus I	5
MAT	214	Calculus II	4
MAT	215	Linear Algebra	3
MAT	224	Calculus III	4
MAT	312	Differential Equations	3
PHL	212	Introduction to Ethics	3

2011/12

Secondary Education Curriculum: Science Focus

This major draws from both the sciences and education, and will prepare me for a career in teaching or consulting in secondary science classrooms. It will also provide me with a foundation of necessary course work for graduate studies in pedagogy, science curriculum, and educational psychology.

Required Courses:			Hours
ENV 105	Introduction to Environmental Science		3
BIO 114	Biological Processes		3
CHM 124	General Chemistry II		3
GEO 110	Earth Systems		4
PHY 201	Physics I		4
AST 211	Astronomy		3
NSC 305	History of Science		3
EDU 290	Foundations of Education		3
EDU 221	Educational Psychology		3
EDU 233	Adolescence Growth/Development		3
EDU 435	Secondary School Teaching		3
EDU 436	Teaching Science Methods		3
EDU 393	Practicum II		2
EDU 453	Classroom Organization and Management		3
EDU 231	Education of Exceptional Individuals		3
			Total: 46 hours

Other Required Courses:

BIO 115	Biological Processes Lab		1
CHM 125	General Chemistry II Lab		1
EDU 230	Child Growth and Development		3

Upper level credit:

ENG 374	Creative Writing Poetry		3
PSY 300 or 400	Coursework		3

2013/14

Secondary Education in Middle Schools

This major focuses on a thorough base of foundational educational theory as well as specific techniques and issues in Middle School Science curriculum. While the major requires successful completion of forty hours of coursework specifically dealing with teaching and learning, it also has a component of a variety of introductory science courses.

This major will prepare the graduate to work in a number of fields where knowledge of middle school students and their interests and ability in science is necessary. Career possibilities include adolescent support programs, educational sales and publishing, environmental education programs, camp directing and other recreational programming, or working directly with school districts in the field of Science Education as a consultant, resource support personnel, or an assistant teacher. This major also lends itself well to future graduate study in Education and Pedagogy.

Required Courses:			Hours
EDU 221	Educational Psychology		3
EDU 231-I	Education of the Exceptional Individual		3
EDU 290-I	Foundations of Education		3
EDU 291	Education Practicum I		2
EDU 230	Child Growth and Development		3
EDU 392	Reading in the Content Area (Science)		2
EDU 393	Education Practicum II		2
EDU 435	Secondary School Teaching		3
EDU 311	Middle School Philosophy and Organization		2
EDU 314	Middle School Curriculum and Teaching		2
EDU 436	Teaching Science in Middle Secondary Schools		3
EDU 495	Student Teaching in Middle Schools		12
			Total: 40 hours

Other Required Courses:			
CHM 114/115	General Chemistry/Lab		4
GEO 110	Earth Systems/Lab		4
ENV 105	Introduction to Environmental Science		3
PHY 105	Introduction to Physics		3
BIO 108	Biology Principles/Lab		4
			Total: 18 hours

Recommended Courses:			
EDU 385	Diversity in Education		3
EDU 453	Classroom Organization and Management		3

Courses that count for upper level credit outside the major:			
NCS 305	History of Science		3

2015/16

Secondary Science Curriculum Studies

This major would draw from a variety of science content areas as well as educational coursework. The major includes courses in Biology, Physics, Chemistry and Environmental Science as well as pedagogical approaches and teaching experience. With this major, the student will be able to work in educational settings developing and implementing science teaching curriculum materials as well as teaching or tutoring in general secondary science coursework.

Required Courses:			Hours
BIO	112	Biological Processes and Lab	4
BIO	325	Cell Molecular Biology	4
CHM	114	General Chemistry I	3
CHM	124	General Chemistry II	3
CHM	125	General Chemistry II Lab	1
EDU	231	Education of the Exceptional Individual	3
EDU	233	Adolescent Growth and Development	3
EDU	290	Foundation of Education	3
EDU	291	Educational Practicum I	2
EDU	392	Teaching Reading in the Content Area	2
EDU	393	Education Practicum II	2
EDU	425	Secondary School Teaching	3
EDU	436	Teaching Science in the Middle and Secondary Schools	3
EDU	453	Classroom Management and Organization	3
ENV	105	Introduction to Environmental Studies	3
NSC	305	Survey of the History of Science	3
PHY	201	Physics I	4
			Total: 49 hours

2011/12

Secondary Social Sciences Education

The Secondary Social Sciences Education major will be offered primarily through the Westminster college departments of Education and History. Course work is designed to focus on the study of secondary social sciences foundation.

The major develops an appreciation for various ways to teach the social sciences, primarily different history courses. By combining history courses and education courses, a deeper appreciation for the art of teaching history can be developed. All necessary courses for a secondary education major except student teaching and the student seminar have been taken or will be completed as of the spring semester of 2014. By emphasizing history courses and integrating them into a self-design major, a greater understanding of the social sciences has been achieved.

This student also majors in History and Political Science. These courses complement the major by exploring other social sciences and have a deep understanding of each area of study. All will help this student in potential future graduate studies in either law school or a graduate program. This self-design major directs the student toward an education procession focused in the social sciences, if this student so chooses to become an educator at either the high school or higher education level.

Required Courses:			Hours
EDU 290	Foundations of Education		3
PSY 221	Educational Psychology		3
EDU 291	Education Practicum		2
EDU 231	Education of Exceptional Individuals		3
EDU 425	Secondary School Teaching		3
EDU 435	Teaching Social Studies in Middle and		3
Secondary Schools			
EDU 392	Teaching Reading in Content Areas		2
EDU 393	Practicum II		2
POL 100	Introduction to MO Politics		1
SCA 111	Sociology		3
POL 211	American Government		3
HIS 106	Western Civilization		3
HIS 103	American History to 1890		3
HIS 348	History of American Foreign Relations		3
EDU 453	Classroom Management and Organization		3
			Total: 40 hours
Other Required Courses:			
EDU 101	Introduction to Teaching		1
LST 180	Tutoring Skills I		2
LST 280	Tutoring Skills II		2
WSM 210	Westminster Seminar Mentor Training		1

2013/14

Social Justice and Religious Studies

This Social Justice and Religious Studies major will be offered through the Westminster College departments of Sociology and Anthropology, Women and Gender Studies, Religious Studies, Leadership Studies, and Transnational Studies. Coursework is designed to foster an understanding of inequality in modern society, and how to critically analyze possible solutions to those inequalities.

This interdisciplinary major creates an understanding of how to enter the world with an array of knowledge and empathy. It also develops an appreciation for the stratification that occurs within modern society, in order for students to learn how they might help the people that are victims of that stratification. The courses taken will provide an outlet for students who want to make a change in their worlds, and also the tools to carry out that passion. The religious studies component creates space for students to discern their own calling, as opposed to following a job description.

When coupled with a Non-Profit Leadership major or Leadership studies minor, students can strengthen their understanding of inequality as well as how to lead in that type of setting. Examples of post-graduation steps include Peace Corps, AmeriCorps VISTA, Teach for America, attaining a counseling degree, attending seminary, or working for a non-profit organization.

Required Courses:			Hours
LST	132	East African Studies	1
LST	205	Mediation and Conflict Resolution	3
LST	210	Non-Profit Organizations	3
LST	300	Cross-Cultural Leadership	3
LST	399	Internship: Human Trafficking	1
LST	399	Capstone Internship	3
REL	100	Christian Spiritual Practices	1
REL	101	Introduction to the Bible	3
REL	102	World Religion	3
REL	324	Spiritual Ecology	3
SCA	111	Introduction to Sociology	3
SCA	115	Introduction to Cultural Anthropology	3
SCA	355	Social Stratification	3
TNS	201	Introduction to Transnational Studies	3
WGS	210	Introduction to Women's Studies	3
WGS	355	Women's Health Issues	3
WGS	410	Feminist Theory/Women Writers	3
			Total: 45 hours
Other Required Courses:			
MAT	114	Elementary Statistics	3
PSY	113	Psychology as a Social Science	3

2011/12

Justice and Sustainability

This major provides the students with academic expertise in just and sustainable relations among human beings and with the natural world, as well as with practical skills in service and in community organizing. The major involves thirty-three academic credit hours, with five required courses and three elective courses chosen from various departments based on the student's area of interest.

Prerequisite:		Hours
REL 101	Introduction to the Bible	3
Required Courses:		
REL 307	Social Justice in Modern Christian Thought	3
SCA 300	Race and Ethnicity	3
REL 324	Spiritual Ecology	3
PHL 246	Environmental Ethics	3
REL 300	Community Organizing for Social Justice	3
Elective Courses:		
LST 205	Mediation and Conflict Resolution	3
REL/WGS 355	Sex and Gender in the Christian Tradition	3
WGS 210	Introduction to Women's Studies	3
REL 300	Religion and Violence	3
ENV 105	Introduction to Environmental	3
POL/SEC 300	Human Rights and Security	3
SCA/WGS 315	Gender and Society	3
		Total: 33 hours

2014/15

Software Engineering

The self-designed major in Software Engineering is offered primarily through the Westminster College Department of Computer Science and Department of Psychology. The focus of the major is on applying engineering principles to the development of software as well as the psychological considerations of human computer interaction to interface design.

Courses in Computer Science and Information Technology include programming languages, namely C++ and Visual Basic. This major in Software Engineering builds on a foundation of C++ incorporated into courses such as programming logic and design, fundamentals of computer science, and object oriented programming. Courses in Visual Basic, HTML, and a robotics internship provide overviews of different types and applications of programming languages. The IT Project Showcase courses of Systems Analysis and Design, Systems and Software Engineering Studio, and the capstone course in Web Based and Client Server Information Systems provide opportunity to bring a software development project to fruition and experience the software development life cycle through all phases. The pre-calculus course teaches the student problem solving. The coursework in Psychology provides the student with an understanding of how psychological principles apply to computer applications, particularly user interface design and user interactions.

This major in Software Engineering prepares the student for a variety of career options, such as employment as a programmer, business analyst, software engineer, requirements engineer, or program designer. The student is also prepared for a variety of graduate school options in computer science (programming, software engineering, human computer interactions, etc.) or information technology (information science, information management, information systems, etc.)

Required Courses:		Hours
CSC 104	Programming Logic and Design	3
CSC 111	Fundamentals of Computer Science I	3
CSC 205	Visual Basic Programming	3
CSC 211	Fundamentals of Computer Science II	3
CSC 350	Systems Analysis and Design	3
CSC 390	Object Oriented Programming	3
CSC 427	Web Bases and Client Server Information Systems	3
FRE 399	French Course Visual Aids Internship	1
ITY 250	Web Page Design, Aesthetics, and Interactions	3
ITY 351	Systems and Software Engineering Studio	2
ITY 398	IT in Non-Profit Organizations	3
ITY 399	Robotics Internship	
MAT 121	Pre-Calculus	3
PSY 112	Psychology as a Natural Science	3
PSY 113	Psychology as a Social Science	3
PSY 370	Sensation and Perception	3
		Total hours 42

Sport and Physical Activity Science

The Sport and Physical Activity Science major will be offered primarily through the Westminster College Physical Education Department, supported with additional courses from the Education and Psychology Departments. The major has its foundation in the scientific basis of sport and physical activity, while maintaining a holistic perspective by including psychology, sociology, history, and philosophy. These understandings are given context through teaching methods and pedagogical course work.

The major prepares the student for professional opportunities in sport, community programs, and educational settings. The student's courses will provide background in healthy lifestyles, fitness and exercise principles, and sport conditioning. The major will strengthen teaching approaches with course work through the Education Department. Sport psychology and sociology courses will address aspects of self and community that influence learning environments to create the greatest learning outcomes. The student will learn to communicate professionally to promote a healthier lifestyle for the community as a whole.

Sport and Physical Activity Science majors will be able to utilize their professional background in classrooms, wellness centers, and community athletic programs, but they will also be in the position to further their education into professional fields including chiropractic, athletic training, and personal training.

Required Course:		Hours
EDU 385	Diversity in Education	3
PED A40	Physical Education for Athletes	1
PED 104	First Aid and CPR	1
PED 204	Fitness and Wellness	2
PED 206	Growth and Development through Elementary PE	3
PED 220	Social Science of Sport	2
PED 230	Introduction to Prevention and Care of Athletic Injuries	2
PED 299	Sports Management	3
PED 309	History and Philosophy of Physical Education	2
PED 311	Coaching Theory of Football	2
PED 321	Kinesiology	3
PED 340	Exercise Physiology	3
PED 350	Theories of Adaptive Physical Education	3
PED 405	Measurement and Evaluation in Physical Education	2
PED 434	Teach Secondary Physical Education	2
PSY 231	Sports Psychology	3
		Total: 37 hours

2011/12

Sport and Physical Education Studies

The Sport and Physical Education Studies major will be offered primarily through the Westminster College department of Health and Exercise Science, Biology, and Psychology. Course work is designed to concentrate on the study of human physiology, psychological, social and motor development and the way these disciplines influence a healthy active lifestyle from childhood, through adolescence, and into adulthood.

The major develops an appreciation for the role that nutrition, activity, sports and performance play in all aspect of sport and physical education in a community and school setting. The student will also learn to develop lesson plans, classroom and program management. Education/physical education classes explore motor and human development and physical wellness.

If the student minors in Coaching and Education, these courses complement the major by exploring the perspectives of health, wellness, activity and sports on an active lifestyle. The major prepares the student for a profession in private and public charter school education as well as community programming.

Required Courses		Hours
PED 220	Social Science in Sports	2
PED 309	History and Philosophy of Physical Education	2
PED 331	Coaching Theory of Football	2
PED 204	Fitness & Wellness	2
PED 350	Theory of Adapted Physical Education	3
HES 207	School Health, Physical Education, and Safety in Elem.	3
PED 206	Growth and Dev. Through Elem. Physical Education	3
HES 230	Intro. To Prevention and Care of Athlete Injuries	2
HES 215	Principles of Motor Learning	2
HES 335	Women's Health Issues	3
HES 406	Management and Evaluation in Physical Education	2
HES 340	Exercise Physiology	3
PSY 231	Sports Psychology	3
		Total: 42 hours
Other Required Courses		
PSY 112	Psychology as a Natural Science	3
HES 321	Kinesiology	3
HES 398	Independent Studies	1
EDU 221	Educational Psychology	3
Recommended Courses		
EDU 230	Child/Adolescent Growth and Development	2
PED 311	Coaching Theory of Football	2

Sports Business and Leadership

The Sports Business and Leadership major will be offered primarily through Westminster College departments of Business, Leadership Studies, and Physical Education. Course work is designed as an interdisciplinary approach applying leadership and business management skills to understanding the field of sports, fitness, and business organization. The Sports Business and Leadership major, with its foundation in liberal arts education, challenges the student to understand different perspectives in culture, organization, managing, history, and ethics in the field of sports. Also the student will be able to incorporate his/her leadership and management theories and skills and be able to effectively solve conflict.

This major will prepare the student to work as an entry level leader or manager in an innovative organization or business, or even start their own company. The student will be able to advance to a leadership position in which they make or facilitate important decisions that affect the success of their organization.

Required Courses			Hours
ACC	215	Principles of Financial Accounting	4
BUS	220	Fundamentals of Management	3
BUS	221	Management and Organization	3
BUS	250	Principles of Marketing	3
BUS	300	Sports Management	3
BUS	300	International Marketing	3
BUS	330	Advertising	3
ECN	211	Principles of Macroeconomics	3
ECN	212	Principles of Microeconomics	3
LST	201	Leadership Theory and Practice	3
LST	210	Leadership Non-Profit	3
LST	300	Leadership Ethics	3
LST	399	Internship: Athlete Event Management	3
PED	204	Fitness and Wellness	2
PED	207	School Health, PE, and Safety in Elementary	3
PED	220	Social Science of Sport	2
PED	230	Introduction to Prevention and Care of Athletic Injuries	2
PED	231	Sports Psychology	3
PED	309	History and Philosophy of Physical Education	2
PED	350	Theory of Adaptive Physical Education	3
PED	406	Management in Physical Education and Athletics	2
			Total: 59 hours

Recommended courses:

MAT	114	Elementary Statistics	3
PSY	113	Psychology as a Social Science	3

2011/12

Sports Education

The Sport Education major will combine courses primarily offered through Westminster College's Health and Exercise Science Department. Courses will be taken from the Business, Psychology and Biology departments. The scientific foundation of physical activity and sport will be applied in education and business contexts.

The major will prepare the student to excel in many professions in and out of the classrooms. The student can take the skills that have been learned and apply them to jobs in the field of teaching, personal fitness, community programs and physical youth programs. The classes from Psychology and Education programs will allow the student to gain the knowledge of understanding how young children, as well as young adults, develop in a sports environment. The student will also know how to communicate their found knowledge so that it can be applied and built upon.

Sports and Educational majors will put themselves in a position of flexibility. The major will allow them to further their educational studies in the professional fields such as Sports Administration, Athletic Training, Health and Wellness and Coaching.

Required Course:			Hours
BIO	107	Human Biology	4
EDU	207	Health/PE/Safety	3
EDU	230	Child Growth & Development	3
EDU	231	Education of the Exceptional Child	3
HES	104	First Aid & CPR	1
HES	204	Fitness Wellness	2
HES	230	Prevention and Care of Injuries	2
HES	231	Sports Psychology	3
HES	321	Kinesiology	3
HES	398	Internship	3
HES	406	Management in PE & Athletics	2
PED	208	Creative Movement and Rhythm	3
PED	311	Coach Theory – Football	2
PSY	221	Educational Psychology	3
HES	340	Exercise Physiology	3
EDU	385	Diversity in Education	3
Total: 43 hours			

2013/14

Sports Education and Athletics Performance

The Sports Education and Athletic Performance major will be offered through the Westminster College department of Exercise Science, Psychology, and Education. This major teaches and coaches about health and wellness, and improve sport performance for those interested in athletics. It is designed to develop knowledge and expertise to enhance personal health and athletic performance through an understanding of the human body, the mental aspect of behavior and sport performance, and effective health/performance instruction and coaching. The course work is designed to focus on working in sport and gain experience associated with coaching. There will likewise be an emphasis on course work regarding the motor and physical development in childhood through young adulthood.

Required Courses:			Hours
BIO 107	Intro to Human Biology/Lab		4
PED 311	Couching Theory of Football		2
EDU 291	Education Practicum		2
EDU 425	Secondary School Teaching		3
HES 350	Theories of Adapted Physical Education		3
HES 340	Exercise Physiology		3
HES 321	Kinesiology		3
HES 220	Social Science in Sport		2
HES 230	Introduction to Prevention and Care of Athletic Injuries		3
PSY 231	Sports Psychology		3
PED 314	Couching Theory of Basketball		2
PED A10	Weight Training & Body Building		1
EDU/PED 434	Secondary PE Methods		2
PSY/EDU 221	Education Psychology		3
			Total: 35 hours

Sports Medicine

The Sports Medicine major will be offered through the Westminster College department of Biology and Health & Exercise Science. The purpose of this major is to prepare the student for a career in healthcare by completing all necessary requirements for medical school. The student would also complete minors in Profession and Chemistry.

This major will approach the study of the human body as it pertains in healing. Required courses such as Exercise Prescription and Nutrition will allow the student to gain understanding of how exercise and diet change can be used as forms of medicine. Recommended courses such as Intro to Epidemiology and Medical Anthropology will educate the student about diseases and their symptoms and ways that they can be treated.

The Sports Medicine major offers the student an avenue to medical school other than the typical route of Biology or Chemistry. It will provide a solid understanding of the human body, how it moves and various ways in which it can be healed.

Required Courses:			Hours
BIO	203	Human Anatomy	4
BIO	300	Vertebrate Biology	4
BIO	301	Genetics	4
BIO	370	Physiology	4
BIO	404	Biochemistry	4
CHM	324/325	Organic Chemistry I/Lab	4
PHY	212	Physics II	4
HES	251	Introduction to Nutrition	3
HES	321	Kinesiology	3
HES	340	Exercise Physiology	3
HES	300	Exercise Prescription	3
			Total: 40 hours

Recommended Courses:

HES	261	Intro to Epidemiology	3
HES	357	Community Nutrition	3
SCA	348	Medical Anthropology	3

2013/14

Sports Medicine

The purpose of this major is to prepare the student to pursue a career in nursing by first getting accepted into a nursing school to become a Registered Nurse (RN) and then going on to become a Nurse Practitioner. Another career option would be as an Athletic Trainer. This major would appeal to students interested in health field areas such as sports medicine, athletic training, or nursing. The mixture of the courses included in this major will provide the student with a well-balanced foundation to better prepare him or her for a future in the health field.

Required Courses:			Hours
BIO	203	Human Anatomy	4
BIO	402	Animal Physiology	4
BIO	403	Microbiology	4
CHM	314/315	Organic Chemistry I and Lab	4
MAT	124	Calculus I	5
PED	204	Fitness and Wellness	2
PED	230	Introduction to Prevention and Care of Athletic Injuries	2
PED	300	Introduction to Nutrition	3
PED	321	Kinesiology	3
PED	340	Exercise Physiology	3
PED	399	Internship	2
PHY	201	Physics I	4
PHY	212	Physics II	4
			Total: 44 hours

Recommended Courses:

BIO	4XX	Medical Terminology	1
PSY	312	Developmental Psychology	3

2011/12

Sports Psychology

The Sports Psychology major will be offered through the Westminster departments of Psychology and Physical Education. The course work for this major is designed to study the nature and complexity of psychology and Physical Education. Students in these courses will learn how to interpret an array of different types of people and help them to develop and improve their psychological and athletic strengths.

This major develops an appreciation for the role of psychology in society, specifically in the sporting world. Course work in the department of Physical Education helps students to understand the physiological aspects of athletes, which are major aspects that a sport psychologist will encounter. Athletic performance strongly depends on the physical fitness of the athlete, so proper physical education from a sports psychologist to athletes is crucial. Education of the symptoms and effects of injuries is very important to sport psychologist as they deal with athletes suffering from an array of injuries on differing levels of severity. Course work in the department of Psychology helps students to understand psychological conditions, specifically in athletes. The major teaches students the types of scenarios that a sport psychologist will encounter. Such scenarios regarding athletes include injuries, rehabilitation, burnout, drop-off in athletic ability, and many other stresses of being an athlete. Also, students learn how to deal with coaching scenarios such as coaching strategies, burnout, job loss, and many other stresses of the coaching world. Course work from both departments teaches students how to properly communicate with individuals and teams of the sporting world and how better their psychological and physiological situations.

Required Courses:			Hours
BIO	203	Human Anatomy	4
PED	A40	PE for Athletes	1
PED	311	Coaching Theory of Football	2
PED	318	Coaching Theory of Softball	2
PED	321	Kinesiology	3
PED	331	Sport Officiating: Football	1
PED	350	Theories of Adapted Physical Education	3
PED	405	Measure and Evaluation in Physical Education	2
PSY	112	Psychology as a Natural Science	3
PSY	113	Psychology as a Social Science	3
PSY	221	Educational Psychology	3
PSY	231	Sports Psychology	3
PSY	310	Social Psychology (Personality)	3
PSY	412	Counseling Theories and Methods	3
Choose One of the Following:			3
PSY	303	Animal Learning	
PSY	320	Memory and Cognition	
			Total: 39 hours

2010/11

Sports Psychology

The Sport Psychology major will be offered through the Westminster departments of Psychology and Physical Education. The coursework for this major is designed to study the nature and complexity of Psychology and Physical Education. Students in these courses will learn how to interpret an array of different types of people and help them to develop and improve their psychological and athletic skills.

The major develops an appreciation for the role of psychology in society, specifically in the sporting world. Coursework in the department of Physical Education helps students to understand the physiology aspects of athletics, which are major aspects that a sport psychologist would encounter. Athletic performance strongly depends on the physical fitness of the athlete, so proper physical education from a sport psychologist to athletes is crucial. Coursework in the department of Psychology helps students to understand psychological conditions, specifically in athletes. The major teaches students the types of scenarios that a sport psychologist will encounter. Such scenarios regarding athletes include injuries, rehabilitation, burnout, dropout, drop-off in athletic ability, and many other stresses of being an athlete. Also students learn how to deal with coaching scenarios such as coaching strategies, burnout, job loss, and many other stresses of the coaching world. Coursework from both departments teaches students how to properly communicate with individuals and teams of the sporting world and how to better their psychological and physiological situations.

Required Courses:			Hours
BIO	107	Human Bio w/lab	4
HES	220	Social Science of Sports	2
HES	230	Prevention and Care of Injury	2
PED	A10	Weight Training	1
PED	A40	PE for Athletes	1
PED	311	Coaching Theory of Football	2
PED	321	Kinesiology	3
PED	406	Management of Physical Ed. & Athletics	2
HES	340	Exercise Physiology	3
PSY	112	Psychology as a Natural Science	3
PSY	231	Sport Psychology	3
PSY	274	Methods of Experimental Psychology	3
PSY	310	Social Psychology	3
PSY	311	Social Psychology Lab	1
PSY	390	Abnormal Psychology	3
			Total: 39

Other Required Courses:

PSY	412	Counseling Theory	3
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2012/13

Sports Therapy

The Sports Therapy major will be offered mainly through the Physical Education Department. Course work is designed a) to educate and prepare the student to provide first aid; b) to attend to injuries in a recreational, training and competitive environment; c) to assess and, where appropriate, refer on for specialist advice and intervention; d) to provide sports therapy pre and post activity; e) to implement appropriate rehabilitation programs, and f) to utilize sports and exercise principles to optimize preparation and injury prevention programs.

The major develops an appreciation for the overall health and wellness of athletes ensuring they will return to their respected sport and excel in their athletic ability. This course will provide knowledge of Human Anatomy, Kinesiology, Sports Psychology, and also offer an internship.

In addition to training, internship, and science courses, this major will also offer business courses. This will prepare the student to run their own business in the future if they choose to do so. This major will prepare the student to help an athlete return to the field or court in top physical condition.

Required Courses:			Hours
BIO	107	Introduction to Human Biology	4
BIO	203	Human Anatomy	4
BUS	220	Fundamentals of Management	3
EDU	101	Introduction to Teaching	1
PED	A10	Weight Training and Conditioning	1
PED	104	First Aid and CPR	1
PED	200	Introduction to Nutrition	3
PED	200	Values in Sports Management	1
PED	215	Motor Learning	2
PED	220	Social Science of Sports	2
PED	230	Introduction to Care and Prevention of Athletic Injuries	2
PED	231	Sports Psychology	3
PED	321	Kinesiology	3
PED	340	Exercise Physiology	3
PED	399	Internship	3
PED	405	Measurement and Evaluation in Physical Education	2
SPE	101	Introduction to Speech Communication	3
			Total: 41 hours

Recommended Courses:

BIO	112	Bioprocesses	4
PED	355	Women's Health Issues	3
PSY	330	Addictive Disorders	3

2010/11

Tourism Management

Tourism is a worldwide phenomenon that allows people to experience the world in all of its different aspects, covering a variety of activities, and affecting every aspect of a country's ability to market itself. The study of tourism allows one to understand how the phenomenon started, what its trends are, and how to make tourism into a sustainable enterprise, preserving as well as exposing various peoples, cultures, and countries. By studying this field, the student will be able to reduce the afflictions that many under-developed countries suffer from. Having a self-designed Tourism major also allows the student to focus on specific aspects of tourism, as well as develop the business foundations that are necessary for economic success. The major was based on the Business Administration major with the addition of classes that focused specifically on Tourism and inter-cultural relations.

The student also plans to major in Transnational Studies, because the two majors complement each other and allow for a better understanding of the relationships between countries, some of which are fostered by the tourism industry. Tourism can have both positive aspects, such as increasing awareness of traditional rituals like the Reed Festival which celebrates the purity of women, but it can also have negative aspects such as the trafficking of women and children to be used as sex slaves. In this manner, the study of both of these fields will allow for better comprehension of the phenomenon that is the Tourism Industry.

Required Courses:			Hours
ACC	215	Principles of Financial Accounting	3
ACC	216	Principles of Managerial Accounting	4
BUS	250	Principles of Marketing	3
BUS	318	Corporate Finance	3
BUS	326	Human Resource Management	3
BUS	450	Business Policy	3
ECN	211	Principles of Macroeconomics	3
ECN	212	Principles of Microeconomics	3
MAT	114	Elementary Statistics	3
MAT	122	Calculus for the Social and Life Sciences	3
MIS	201	Introduction to Information Systems	3
PSY	113	Psychology as a Social Science	3
PSY	310	Social Psychology	3
			Total: 40 hours

Other Required Courses:

Cross Culture Management	4
Tourism Environments	4
Sustainable Tourism Studies	4
Thesis	4

2011/12



Self-Designed Minors



2016-17

Adaptive Technology

A huge number of computer users have disabilities that affect their use of the technology. In the time being, a sizable number of Web sites and software have accessibility issues that make it taxing or even impossible for a lot of people with disabilities to interact with the cyber world. Every day the cyber world becomes more accessible, and the more accessible Web sites and software become accessible, people with disabilities are able to use and add to technology like their peers.

The study of the technical aspects of creating applications as well as web processes and infrastructure helps us assess the extent to which people with disabilities can use the Web and what developers can do to enhance that interaction. In other words, people with disabilities can perceive, understand, navigate, and interact with the digital world in general, they can contribute to the Web, as well as suggest technical enhancements to these applications to meet their needs.

The digital world is gradually becoming a vital resource in many aspects of our society: education, employment, government, commerce, health care, recreation, and more. The importance of accessibility on the Web has become a priority to many organizations that seek to provide equal access and equal opportunity for people with disabilities so that they participate in society actively.

People with disabilities can easily overcome the accessibility barriers to print, audio, and visual media through the use of the Web technologies. For that huge advantage of the Web, accessibility research on the web is aimed to test, evaluate and recommend software that can make life easier and assist people with disabilities to actively participate in the increasingly important cyber world. Making these technical observations comes through an understanding of the web design; the networks that it runs over; the data created and manipulated; how the data is stored; research fundamentals for IT; and IT design thinking and problem solving.

Required Courses			Hours
ITY	250	Web Page Design, Aesthetics, and Interaction	3
ITY	177	Foundations of Information Technology Science	3
ITY	232	Computer Networking	3
ITY	300	Information Storage & Management	3
ITY	300	Data Science	3
ITY	400	Design Thinking for Wicked Problems	3
ITY	398	Adaptive Technology Research	3
			Total: 21 hours

2013/2014

Archaeology Minor with Field Work Emphasis

The Archaeology Minor with Field Work Emphasis will be offered primarily through the Westminster College departments of History and Museum Studies. Coursework is designed to focus on the methods, global contexts, and applied practices of archaeological studies.

The minor develops understanding for how geological, historical, and anthropological/cultural contexts are relevant to archaeological field work. Field geology courses will help develop a foundation for scientific methods applied in the field while conducting archaeological research. History and anthropology classes will provide context and relevance for materials recovered while in the field. An archaeology methods class will promote the implementation of correct archeological practices, while a museum studies course can offer a nuanced and detailed look at the life cycle of artifacts recovered by archaeologists. Internships will offer a first-hand experience to supplement contextual information provided by Westminster College.

This minor will prepare the student for practical work as an archeologist, focusing on the role of an archaeologist in the field.

Couse Number	Title of Courses	Hours
CLA 227	Greek Civilization	3
ANT 115	Introduction of Cultural Anthropology	3
MUS 200	Introduction to Museum Studies	3
CLA 301	History and Methods of Archeology	3
GEO 300	Summer Geology Field Course	3
ITS 399	Internship in Field Work	3 or more
	Total	17
	Total Upper Level Course Work Hours	6

Community Relations and Event Management

The Community Relations and Event Management minor will be offered by the Westminster departments of Communications, English, and Business. Course work is designed to study the public communication and the complexity of event management, preparing the students for service, and to encourage self-fulfillment in all event management.

The minor develops an appreciation and skill for human interaction through diverse religions and cultures in a community as well as in a work environment. Students will also learn to appreciate the process of conceiving, planning, and carrying out of events. The minor will strengthen the ability to communicate effectively, in both the verbal and written word. It also provides further introduction to society, politics, and religions, allowing students to become well-rounded individuals, able to make reasoned judgments necessary for event management.

Required Courses:			Hours
ART	210	Photography I	3
ENG	270	Expository Writing	3
SPE	101	Introduction to Speech Communication	3
SPE	310	Business and Professional Communication	3
LST	399	Event Management Internship	1
LST	131	Theoretically Based Leadership Lab	1
CMM	399	Event Management Internship	1
CMM	399	Campus Events Internship	1
BUS	330	Advertising	3
			Total: 19 hours

2012/13

Cybersecurity

The Cybersecurity minor will be housed in the Department of Computer Science, in collaboration with and part of the Security Studies Program. A minor in Cybersecurity will introduce students to the discipline of Cybersecurity as well as its sub-disciplines.

It will prepare students to identify potential threats and vulnerabilities to the technology assets of an organization and to defend the technology assets and infrastructure from attacks. Some specific skills include network security and the Internet, secure coding, physical security, policy creation, and security engineering. In addition to the technical skills, students will think critically about these issues from the international, transnational, organizational, and individual citizen's perspectives and about how national and institutional policies are impacted by cyber threats.

Required Courses			Hours
SEC	201	Intro to Security Studies	3
ITY	299	Informational Technology Elective	3
ITY	200	Cybersecurity	3
ITY	300	Digital Forensics	3
ITY	398	Independent Study	1-4
ITY	409	IT in the Organization	3
ITY	232	Computer Networking	3
ITS	199	Career Exploration Internship	1
			Total: 20-23 hours

2014/15

Deaf Communications with an Emphasis in American Sign Language

The Deaf Communications minor will be offered primarily through the Westminster College department of Communication and the William Woods University department of American Sign Language Interpreting. Course work is designed to focus on the study of American Sign Language, Deaf Culture, and Communication principles.

The minor develops an appreciation for the different communication styles of hearing and Deaf Americans. Communication courses explore communication within the hearing world and communication standards. American Sign Language courses explore communications within Deaf culture and differences between hearing and Deaf individuals. Deaf culture units further understanding of the specific people group and reasons for particular communication styles. Education courses will study theories of teaching foreign language (American Sign Language) and educating both the hearing and deaf cultures.

Required Courses:			Hours
EDU 400	Foreign Language Teaching		3
FLG 101 *	American Sign Language I		3
FLG 102 *	American Sign Language II		3
FLG 203 *	American Sign Language III		3
SPE 203	Interpersonal Communication		3
SPE 303	Communication in Relationships		3
			Total: 18 hours
Recommended Courses:			
FLG 299 *	Deaf Culture		3
FLG 299 *	American Sign Language IV		3
FLG 499 *	American Sign Language V		3

* Courses transferred in to Westminster.

2010/11

Middle Eastern Studies Minor

The Middle Eastern Studies Minor includes courses offered in the programs of Transnational Studies, Political Science and Economics. The Middle Eastern Studies minor will be highly regarded as a solid “global” type program upon graduation. Several excellent Middle Eastern studies programs exist in the United States, Europe, and in the Middle east itself. The student plans on going to graduate school in Middle Eastern Studies after graduation and has a passion for helping western audiences understand the social, economic, cultural, political, and historical aspects of the Arab and Islamic worlds. This self-designed minor will help the student not only gain a broader, global perspective on the Arab world, but also to academically prepare for graduate school and eventual work in the public or private sectors both in the United States and abroad.

Course Number	Title of Course	Hours
ASN 201	Asian Studies	3
TNS 300	Middle Eastern Politics	3
TNS 201	Intro to International/Transnational Studies	3
POL 305	International Law	3
POL 308	Post-Soviet Politics	3
ECN 310	International Trade/Fiancé	3
TNS 401	Jr/Sr seminar	3
	Total Hours	21
	Upper Level Hours	15

2015-2016

Music Instrumentation and Appreciation

With this Minor, the student will have an understanding of music and gain skills in music performance. The areas of music history, music theory, and instrumental proficiency will give the student a greater appreciation for music as a whole. The history and theory component will aid in music comprehension, where the instrument lessons lend towards the skills necessary to perform music.

Required Courses:			Hours
ENG 355	Jazz, Country and Western		3
MUS 101	Beginner Piano		1
MUS 101	Beginner Piano		1
MUS 101	Beginner Guitar		1
MUS 105	Introduction to Music Theory		3
MUS 201	Intermediate Piano		1
MUS 201	Intermediate Piano		1
MUS 201	Intermediate Guitar		1
MUS 205	Music in the Western World		3
MUS 301	Advanced Piano		2
MUS 301	Advanced Piano		2
MUS 301	Advanced Guitar		2
MUS 301	Advanced Guitar		2
MUS 301	Advanced Guitar		2
MUS 301	Advanced Guitar		2
			Total: 27 hours

2011/12

Social Work

The social work minor will be offered primarily through the Westminster College departments of Sociology, Psychology and Leadership. Course work is designed to study social, leadership, and psychological factors that inhibit individuals from reaching their full potential in society and also provide certain organizations offering support and guidance.

The major develops an appreciation for the interaction between sociology, psychology, and philanthropy/leadership in order to provide the opportunity to be successful to individuals who may not be able to accomplish this task alone. Students will also learn to understand economic and social factors that inhibit this success and what types of communication and support is effective in helping to combat for certain individuals. A social psychology course will provide information on human behavior in the environment and how psychological factors may inhibit social success. A leadership and philanthropy class will provide insight to what social resources and organizations are available to provide support to individuals in need. The courses in speech and physical education will provide effective ways to communicate with clients and assist them in dealing with the stress they are under to achieve success.

Social Work minors are well prepared for entry level positions in a wide variety of social and mental health organizations. In addition, there are many graduate programs that offer masters and doctorate degrees. Students in this field will find many employment opportunities in medical, educational, counseling, rehabilitative, and philanthropic settings.

Required Courses			Hours
LST	133	Leadership in Philanthropy and Service	1
PED	200	Stress Management	3
PSY	310	Social Psychology	3
SCA	111	Introduction to Sociology	3
SCA	299	Social Welfare	3
SCA	300	Sociological Research Methods	3
SPE	203	Interpersonal Communication	3
SSI	399	Internship: Fulton State Hospital	3
			Total: 22 hours

2012/13