



# Self-Designed Majors & Minors



2015-16



## Self-Designed Course of Study

Students with particular interests may prefer to design their own program of study in concert with a team of teachers. Westminister'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 Associate Dean of Faculty 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 Associate Dean of Faculty. 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 ½ 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 Dean of Faculty. The academic advisor must meet with the student at least once each semester to review progress. A minimum of three semesters must be spent working under an approved plan.

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 Westminister 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 Westminister. 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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# Self-Designed Majors



2015-16



## Actuarial Science

The Actuarial Sciences major will be offered primarily through the Westminster departments of Mathematics, Accounting, Business, Economics, and Computer Science. Course work is designed to prepare students to study the patterns of society, and their association with risk, as they pertain to insurance and business.

Actuaries manage risk by helping organizations plan for the future and protect themselves from loss ([www.beanactuary.org](http://www.beanactuary.org)). Actuaries must possess keen analytical and problem solving skills, knowledge of mathematics and finance, good business sense, and solid communication and computer skills. Through courses in the departments listed above as well as an internship experience, the major will develop these key skills. A solid foundation in these areas is necessary for future success in the field.

Required Courses:		Hours
ACC 215	Principles of Financial Accounting	4
BUS 220	Fundamentals of Management	3
BUS 318	Corporate Financial Management	3
CSC 111 or 205	Fundamentals of Computer Science I or Visual Basic Programming	3
ECN 211	Principles of Macroeconomics	3
ECN 212	Principles of Microeconomics	3
ECN 235	Research Methods in Economics and Business	3
ECN 332	Intermediate Price Theory	3
MAT 215	Linear Algebra	3
MAT 224	Calculus II	4
MAT 300	Financial Mathematics	3
MAT 313	Math Probabilities/Statistics	3
		Total: 38 hours
Other Required Courses:		
SPE 101	Introduction to Speech	3 hours
INT	Actuary Internship*	1-3 hours

\*This internship must be approved by the Self-Designed Major Committee members. It must be completed for college credit and supervised by a member of the committee.

Note: Due to the interdisciplinary nature of the major, ECN 332 may be used to satisfy the Upper Level Outside the Division graduation requirement.



## Actuarial Science

The Actuarial Sciences major will be offered primarily through the Westminster departments of Mathematics, Accounting, Economics, Business, Computer Sciences, Management Information Systems, and one to three hours of independent study for the Actuarial Society's Exam P. Course work is designed to study the patterns of society, and its associations with risk, as it pertains to insurance and business.

The major develops an understanding of risk analysis and how probability affects the rates that govern society. A student with this major will also learn that being able to communicate these functions, both in written and programmed format, is a key part of being an actuary. Key skills are developed in Calculus, Statistics, VB programming, business functions, and MIS.

The best way to compliment the actuarial sciences major is to accompany it with a minor in mathematics and also taking many business and economics class. This is mainly because even though getting into the actuarial profession only requires passing the first exam, the exams afterwards, although optional, are recommended to advance in the career and require knowledge of high level of mathematics and also a general knowledge of business and economics.

Required Courses:		Hours
ACC 215	Principles of Financial Accounting	4
ACC 216	Principles of Managerial Accounting	4
BUS 220	Fundamentals of Management	3
CSC 205	Visual Basic Programming	3
ECN 211	Principles of Macroeconomics	3
ECN 212	Principles of Microeconomics	3
MAT 114	Elementary Statistics	3
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
MAT 313	Math Probabilities/Statistics	3
MAT 398	Independent Study: Preparation for Actuarial Exam	3
MIS 201	Introduction to Information Systems	3
MIS 210	Spreadsheet Application in Business	3
		Total: 54 hours

## Actuarial Science

The Actuarial Sciences major will be offered primarily through the Westminster departments of Mathematics, Accounting, Business, Economics, and Computer Science. Course work is designed to prepare students to study the patterns of society, and their association with risk, as they pertain to insurance and business.

Actuaries manage risk by helping organizations plan for the future and protect themselves from loss ([www.beanactuary.org](http://www.beanactuary.org)). Actuaries must possess keen analytical and problem solving skills, knowledge of mathematics and finance, good business sense, and solid communication and computer skills. Through courses in the departments listed above as well as an internship experience, the major will develop these key skills. A solid foundation in these areas is necessary for future success in the field.

Required Courses		Hours
ACC 215	Principles of Financial Accounting	4
BUS 220	Fundamentals of Management	3
BUS/FIN 318	Corporate Financial Management	3
CUS 111 or 205	Fundamentals of Computer Science I or Visual Basic Programming	3
ECN 211	Macroeconomics	3
ECN 212	Microeconomics	3
ECN 235	Research Methods in Economics and Business	3
ECN 332	Intermediate Price Theory	3
MAT 215	Linear Algebra	3
MAT 224	Calculus III	4
MAT 300	Financial Mathematics	3
MAT 313	Mathematical Probability and Statistics	3
		Total: 38 hours
Recommended Courses		
SPE 101	Introduction to Speech	3
INT	Actuary Internship*	1-3

\*The internship must be approved by the Self-Design Major Committee members. It must be completed for college credit and supervised by a member of the committee.

Note: Due to the interdisciplinary nature of the major, BUS/FIN 318 may be used to satisfy the Upper Level Outside the Division graduation requirement.

## 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

## 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 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

## 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

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 Leadership

The Business Leadership major will be offered through two Westminster College departments/programs and includes interdisciplinary course work in the areas of Organizational Leadership and Business.

The Business Leadership major, with its liberal arts foundation, challenges students to develop knowledge and skills in areas of oral and written communication, human behavior, management, and organizational leadership. When integrated, these areas prepare students to enter careers in business, public service, and nonprofit organizations. Students learn to appreciate the dynamics of human interaction in work environments, as well as leadership skills necessary to manage, lead, mediate, and communicate with individuals and groups in both professional and other organizational settings. 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.

Business Leadership majors are well prepared for a variety of careers in the profit, public service, and non-profit sectors. Additionally, students with this interdisciplinary degree have a diverse background that helps to increase graduate study options, particularly in business, marketing, and organizational leadership.

Required Courses:		Hours
BUS 220	Fundamentals of Management	3
BUS 250	Principles of Marketing	3
BUS 334	Consumer Behavior	3
PHL 244	Business Ethics	3
ECN 211	Macroeconomics	3
ECN 212	Microeconomics	3
LST 201	Leadership Theories/Practices	3
LST 205	Mediation & Conflict Resolution	3
LST 325	Cross-Cultural Leadership	3
LST 399	Internship- Organizational Leadership	3-6
SPE 203	Interpersonal Communications	3
PSY 113	Psychology as a Social Science	3
SCA 111	Introduction to Sociology	3

Total: 39-42 hours



## 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, 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

Business Management and Human Development, contd.

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 Mathematics	3
MAT 231	Math for Elementary/Middle School Teachers	

## 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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## 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

## 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	250	Principles of Marketing	3
BUS	334	Consumer Behavior	3
SPE	203	Interpersonal Communication	3
PHIL	244	Business Ethics	3
ECN	211	Macroeconomics	3
ECN	212	Microeconomics	3
LST	201	Leadership Theories/Practices	3
LST	205	Mediation & Conflict Resolution	3
LST	325	Cross-Cultural Leadership	3
LST	399	Internship-Organizational Leadership	3-6
SPE	203	Interpersonal Communications	3
PSY	113	Psychology as a Social Science	3
SCA	111	Introduction to Sociology	3
			Total: 39-42 hours
Recommended Courses:			
MAT	114	Elementary Statistics	3
			Total: 42-45 hours
Upper-Level Course Outside major:			
HIS	350	The Vietnam Wars	3

## 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

## 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. Being able to work in a group or by myself on a project and completing 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

## Chemical Informatics

Chemical Informatics is a self-design 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-design 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



## Classical Studies

The Self-Design Classical Studies major will be offered primarily through the Westminster College departments of Classical Studies, Religion, Sociology, and Political Science. This course is designed to focus on the study of the ancient world through Greco/Roman cultures. Greco/Roman cultures are studied by focusing on their languages (Latin and Greek), history, religion, material culture (through archeology), and their impact on society in antiquity and in present day.

The major develops an appreciation for ancient cultures and our own modern world. With each department of new aspect of ancient life is revealed. Through the department of Political Science along with Classics, Greco/Roman political systems and philosophy can be examined. Through Plato, we see how the Greeks view their own culture by their actions through the execution of Socrates. Through studying Latin, we understand more of how the Romans thought and what aspects of their culture were important to them. Finally, through Sociology and Archeology we can study the material culture of an ancient city, such as Pompeii, and figure out how excavated materials were used and how that society reflected their culture onto those materials.

This student also plans to major in English, taking the literature track. Through the study of ancient culture, American and British literature can be highlighted with an added depth and complexity. By understanding what certain writers were studying in their time, a deeper analysis can be made of their work.

Ancient Greco/Roman culture is impressive in itself, but so is the great effort of many people for thousands of years who have fought, struggled, and yearned to preserve their culture. Through this protection it continues to be studied, taught, and appreciated.

Required Course:			Hours
CLA	215	Mythology	3
CLA	227	Greek Civilizations	3
CLA	228	Roman Civilization	3
CLA	340	Conflicts of Pagans and Christians	3
CLA	398	Independent Study: Late Medieval Civilizations	3
ENG	280	Linguistics	3
LAT	203	Intermediate Latin I	3
LAT	204	Intermediate Latin II	3
POL	205	Introduction to Political Theory	3
REL	102	World Religions	3
SCA	301	History and Methods of Archeology	3
			Total: 33 hours

## Classical Studies

The Classical Studies major will be offered through the Westminster College departments of Classics, History, Philosophy, and Political Science. Course work is designed to study the foundations of Greco-Roman and early European society and examine the structure of these societies and their cultures, study political and philosophical theories, and address the impact of these factors on Western civilization.

The major develops an appreciation for the influences Greek and Roman society on Western development. Classics and history courses will examine the civilizations and cultures of Greece, Rome, and early Europe, and provide an introduction to the political and philosophical thought of major thinkers of the time. A course in ancient philosophy will examine the philosophical theories of these societies, and a course in political theory will examine the political theories they developed and how these theories relate to modern Western thought.

This major will provide a foundation in Western political thought, which will be useful in the study of law/or political science. By studying the main theories that have shaped modern Western thought, the student will gain a better understanding of current political issues that accompany the study of United States law.

Required Courses:			Hours
CLA 215	Mythology		3
CLA 227	Greek Civilization		3
CLA 228	Roman Civilization		3
CLA 300	Dreams, Omens, Portents		3
CLA 361	Ancient Greek Drama		3
HIS 106	Western Civilization II		3
HIS 300	Later Middle Ages		3
LAT 203	Intermediate Latin I		3
LAT 204	Intermediate Latin II		3
PHL 221	History of Ancient and Medieval Philosophy		3
POL 205	Introduction to Political Theory		3
			Total: 33 hours

## Classical Studies

The Classical Studies major is designed so the student will have a better knowledge of the ancient Greco-Roman World and the influence it had on the modern world. The study of the Latin Language and of these ancient cultures will provide the student with the understanding of the ancient world and the effect it had on the progression of history.

This major develops an appreciation for the culture and traditions of ancient people in ancient society. Students will take courses in the history of Ancient Greece and Rome that will offer a broadened insight into how these ancient civilizations began, the development of their complex societies and governments, the development of their educational and religious systems, their arts and architectures, and how their advances have affected modern day societies. The student's study of Latin will also help to gain a more intimate look into the daily lives and feelings of the people within the society by allowing the student to read and translate ancient literature from its original texts.

The Classical Studies major paves the way for students who desire an entry-level position or who desire to continue their education for advanced graduate degrees at the masters and doctoral level. When the student is ready for employment, they will find positions in a wide range of fields such as teaching, museum studies, classical archaeology, and classical history.

Required Courses:			Hours
CLA 215	Mythology		3
CLA 227	Greek Civilization		3
CLA 228	Roman Civilization		3
CLA 300	Greek World Seminar		1
CLA 300	Greek Odyssey		2
CLA 301	History and Methods of Archeology		3
LAT 203	Intermediate Latin I		3
LAT 204	Intermediate Latin II		3
LAT 398	Independent Study: Literary Evidence of Pompeii		1
REL 101	Introduction to the Bible		3
REL 102	World Religions		3
SCA 115	Introduction to Cultural Anthropology		3
			Total: 31 hours

## 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

## Classics

The Self-Designed Classics major will fall under the aegis of the Classics, Philosophy, and Religious Studies departments of Westminster College. The student will gain a broad yet rich understanding of classical thought, culture, and history: the foundation of western civilization.

Each class assists the student in one or more aspects of the major. The Latin courses will give the student an understanding of the language of the Roman people, the precursor to all modern romance languages. The Civilization classes will give the student knowledge of the Roman and Greek history, culture, and customs while Ancient/Medieval Philosophy will give the student knowledge of early scientific and philosophical thought. World Religions and Intro to Cultural Anthropology will help the student to study classical religion and culture using modern tools, complementing Mythology, which will delve into the comparative aspect of the student of religion/mythology, as well as Dreams, Omens, and Portents. Ancient Greek Drama shall furnish the student with a deeper insight into the beginning of western drama and storytelling. Lastly, Greek World Seminar shall put into perspective the history of the ancient relative to Greco-Roman culture today.

Overall, the Self-Designed Classics major promises to give the student a greater understanding of the rich classical heritage inherited by the west, case studies in comparative thought, an analysis of foreign (both geographically and temporally) cultures, a fundamental grasp of a variety of different fields garnering a more well-rounded individual, and a firm intellectual, ethical, and aesthetic foundation for lifelong learning: the mark of a true leader.

Required Courses:			Hours
CLA 215	Mythology		3
CLA 227	Greek Civilization		3
CLA 228	Roman Civilization		3
CLA 300	Greek World Seminar		4
CLA 325	Dreams, Omens and Portents		3
CLA 361	Ancient Greek Drama		3
LAT 102	Elementary Latin I		4
LAT 102	Elementary Latin II		4
PHL 221	History of Ancient and Medieval Philosophy		3
REL 102	World Religions		3
SCA 115	Introduction to Cultural Anthropology		3
			Total: 36 hours

## Classics

The Classics major will be offered through the Westminster departments of Classics, Philosophy and Religion. Course work is designed to give a good base of understanding and the tools required to analyze literature and history of the classical world.

The major will develop an appreciation for an age gone by whose traditions and thought are still seen in the modern world. The skills that are learned in this major will be applied to other fields, including critical thinking and academic discourse. This major will dive into the literature, philosophies, language, and methods used to explore the ancient world.

All courses taken have three roots in the classics. The religion courses are about events and literature written during the classical period of Rome. The Latin courses are important in understand the language of the Romans. Finally, the Sociology courses provide the skills necessary to academically analyze ancient cultures.

Required Courses:		Hours
LAT 203	Intermediate Latin I	3
LAT 204	Intermediate Latin II	3
SCA 115	Introduction to Cultural Anthropology	3
CLA 215	Mythology	3
CLA 228	Roman Civilization	3
REL 102	World Religions	3
SCA 301	Historical methods of Archaeology	3
REL 316	Teachings of Jesus	3
PHL 221A	History of Ancient and medieval Archaeology	3
REL 101A	Introduction to the Bible	3
CLA 340	Pagans and Christians	3
CLA 325	Omens, Dreams and Portents	3
	Total:	36 hours

## 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 to 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

## 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 of 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



## 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 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

## 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

## Communications

The communication major will be offered through Westminster's department of Business Marketing, Communication, and English; along with a one credit course in the Biology department. These courses will support the studies of multiple forms of human communication and behavior, as well as the role of marketing in consumer behavior.

The communication major allows the study and understanding of various dynamics of human interactions. Skills are learned and practiced such as conflict resolution, workplace appraisals, interpreting verbal and nonverbal cues, and many other communicative interactions (Interpersonal Communications). Knowledge and evaluation of different cultural backgrounds for people is effective for successful, efficient communication (Cultural Anthropology & Sociology). Writing and speaking skills are strengthened through the production and presentation of news releases, resume writing and evaluating, speeches, and research (Public Relations & Advertising). Effective leadership skills are also practiced through the group projects. This is where attentive listening, effective verbal and written communication, accountability, and team building exercises are utilized (Business and Professional Communications).

The courses required for this major complement the students' other major in Biology. Medical Visions in Literature, Medical Terminology, and Expository Writing all incorporate effective communication skills in the field of biological sciences. The converting of technical, scientific terms in Laymen's terms is a useful skill to possess when exploring careers in the field of biology.

Required Courses:			Hours
SPE	101	Intro to Speech	3
SPE	203	Interpersonal Communications	3
SPE	220	Public Relations	3
SPE	310	Business and Professional Communications	3
SCA	111	Introduction to Sociology	3
SCA	115	Introduction to Cultural Anthropology	3
ENG	270	Expository Writing	3
ENG	330	Medical Visions in Literature	3
BUS	250	Principles of Marketing	3
BUS	330	Advertising	3
LST	300	Cross Cultural Leadership	3
BIO	335	Medical Terminology	1
CMM	399	Network Communications Internship	1

Total hours: 35

## Communications

The Communications major will be offered primarily through the Westminster College departments of English and Communications. Course Work is designed to focus on the study of Public Relations/Marketing, Fine Art, Visual Expression, and Journalism.

Contemporary society is characterized by the exponential growth of media. The Communication major provides students with a critical understanding of communication processes and industries, and their impact on society. It prepares the student for entry-level positions in the media field of their choice for graduate study.

The Communications major combines experience-based learning of real-world practices with an emphasis on critical thinking, observation, analysis, and writing. Student will learn to communicate effectively in the business world through the study of speech and public relations. A course in journalism will enhance the student's experience in real world issues and how to actively communicate within it. An internship with a radio station will further enhance the role of journalism and digital media into the student's ability to understand communication processes and the industry.

Required Courses:			Hours
ART	231	Survey of Western Art II	3
BUS	220	Fundamentals of Management	3
COM	399	Internship: Radio Marketing	1-4
ENG	260	Journalism	3
ENG	270	Expository Writing	3
FAR	215	Art of the Film	3
REL	102	World Religions	3
SCA	300	Gender and Society	3
SPE	101	Introduction to Speech Communication	3
SPE	203	Interpersonal Communication	3
SPE	220	Public Relations	3
SPE	310	Business and Professional Communication	3
			Total: 34-37 hours

## 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 his 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 compliment 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 degrees or Ph.D.s 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

## 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 and 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	3

## 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 introduction level of psychological aspects, in addition to the forensic level of psychology. Courses will also be taken in order to understand the interactions and constraints by society, while developing a consideration for ethical decisions. In order to gain 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 required for this designed major will contain information vital to the development of this major. Gaining a greater knowledge of criminal law will also be a focus through the courses taken at William Woods University. 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. In addition to the courses combined at Westminster College and William Woods University, an internship is another advantage to this design. 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

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## Criminal Justice

The Criminal Justice Major will be offered through a combination of the following: the Westminster College Department of Philosophy, Political Science, Psychology, and Sociology. Course work is designed to focus on the study of the social ramifications of crime, reasoning, and the understanding of both domestic and foreign law.

The major will develop an appreciation for the various ways that philosophy illustrates reasoning and ethics within our society while drawing comparisons between moral ethics and reasoning. A course in Biomedical Ethics will give an in-depth insight into the relevant ethics of injury and near death accidents. A Political science course will outline the functions and works of the legal system of both domestic and foreign networks. Introduction to Ethics will serve to give a better understanding of the moral obligations and code of ethics a person may encounter in everyday life as well as specific situations. Ethics will play an important role when understanding the Code of Ethics presented when entering the police force. Art 200 shows the relevance of crime scene investigation – using photography to attain certain angles, scheme, and glare – which will give a higher understanding of how to examine crime scenes in the most efficient and effective manner. The sociology course, Crime and Punishment, will outline our penal systems and show relevant studies on deterrence, rehabilitation, retribution, incapacitation, and restoration. Cyber Culture gives an evaluation of the cyber world; studies focused in Cyber Culture will be based on the cyber bullying and security.

Criminal Justice majors are well prepared for pursuing careers in the fields of law enforcement, securities, corrections, and investigation. With the intentions of pursuing an occupation in Border Patrol, Highway Patrol, or Drug Enforcement, the courses taken at Westminster College will broaden and develop the basic principles of Criminal Justice.

Required Courses:			Hours
ART	200	Digital Photography	3
PHL	212	Introduction to Ethics	3
PHL	242	Biomedical Ethics	3
POL	211	American Government and Politics	3
POL	212	Introduction to International Politics	3
POL	299 *	Corrections, Probation, and Parole	3
POL	299 *	Modern Domestic Terrorism	3
POL	362	American Foreign Policy	3
PSY	113	Psychology as a Social Science	3
SCA	300	Cyber Culture	3
SCA	300	Crime and Punishment	3
			Total: 33 hours

\* Courses transferred to Westminster

## 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:			Hours
MUS	312	Music of Resistance	3
			Total Hours: 40

## 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

## 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

## Digital Media Studies

Digital Media Studies seeks to teach students the communication potential of media and how it can be fully utilized alongside digital systems. This merger of the various media types with the tools of digital technology opens up the world to new seamless forms of multimedia. An understanding of media and its potential for communicating a message in various forms is necessary. Firsthand experience and lessons in English as well as other art forms will provide this knowledge to the student.

Next, a vast knowledge of the tools, concepts, and underlying structures of our digital world will come directly from the Computer Science and Information Technology curriculum. Familiarizing one's self with these powerful tools will enable the student to best utilize what is available to alter, create, and distribute their media.

With these two aspects of Digital Media covered, the student will become adequately trained to enter the job market with the necessary skills to become successful in positions such as Marketing, Communications, Web Design, Graphic Design, and other related fields.

Required Courses:			Hours
ART	200	Digital Photography	3
ART	231	Survey of Western Art	3
CSC	100	Introduction to Game Design	3
CSC	104	Programming Logic and Design	3
CSC	250	Web Page Design, Aesthetics, and Interaction	3
ENG	103	Academic Writing	3
ENG	260	Introduction to Journalism	3
ENG	275	Introduction to Creative Writing	3
ENG	360	Media and Message	3
ITY	300	Information Storage Management	3
ITY	300	Multimedia Systems	3
MUS	105	Introduction to Music Theory	3
			Total: 36 hours

## Early Childhood Administration and Curriculum

The Early Childhood Administration and Curriculum major will be offered primarily through the Westminster College departments of Education/Early Childhood Education and Elementary Education and Psychology. Course work is designed to focus on the study of human psychological and social development, as well as understanding developmental milestones of growing children.

The major develops an appreciation for the various ways children grow and develop through the study of Child growth and Development, Reading assessment (different assessment techniques used to track child progress), and Education of the Exceptional Individual (different learning styles to help make lessons accessible to all students). Courses in Psychology will help bridge the gap that often causes problems between appropriate coursework and a child's ability to master content.

The Early Childhood Administration and Curriculum major direct the student towards a profession centered around child development and the intervention for the struggling child.

Required Courses:			Hours
EDU 101	Introduction to Teaching		1
EDU 203	Teaching Art and Music		3
EDU 207	Health, Safety, and Physical Education		3
EDU 210	Literature for Children and Youth		3
EDU 230	Child Growth and Development		3
EDU 231	Education for the Exceptional Individual		3
EDU 280	Programs in Early Childhood Education		3
EDU 288	Assessment in Early Childhood Education		2
EDU 290	Foundations of Education		3
EDU 291	Education Practicum I		2
EDU 380	Integrative Curriculum in Early Childhood Education		3
EDU 385	Diversity in Education		3
EDU 393	Education Practicum II		2
EDU 453	Classroom Organization and Management		3
MAT 231	Mathematics for Elementary Teachers		3
			Total: 40 hours

### 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



## Education and Sport

The Education and Sport major will be offered through the Westminster College departments of Education, Physical Education, Health Exercise Sciences and Psychology. Course work is designed to focus on the development of mental and physical health and education for all ages.

The major develops an appreciation of the various ways that education contributes to the development of physical and mental health. Education courses provide the background and basic understanding for teaching methods and practices. Physical Education courses use the background information and implement those methods through physical activity. Courses in health exercise sciences fill the gap between education and physical education to provide a more in depth study of the human body in a biological sense. Psychology courses provide the understanding of mental health and strategies that are critical to success in physical development and performance.

This major allows on to direct professional coaching, fitness and wellness, parks and recreation, or youth and community development.

Required Courses:			Hours
PSY 221	Educational Psychology		3
EDU 231	Educational Exercise		3
EDU 230	Child Growth & Development		3
EDU 233	Adolescent Growth & Development		3
EDU 425	Secondary School Teaching		2
EDU/PED 206	Growth and Development Physical Ed.		3
HES 350	Theories of Adapted Physical Education		3
PED 321			3
HES 340	Exercise Physiology		3
PED 215	Motor Learning		2
PSY 231	Sports Psychology		3
HES 230	Introduction to Prevention and Care of Athletic Injuries		2
PED 104	CPR		1
PED 204	Fitness & Wellness		2
EDU 393	Education Practicum II		2

## Educational Psychology

The Educational Psychology major will be offered through the Westminster departments of Education and Psychology. Course work is designed to focus on the study of psychology in an educational setting.

The major develops an appreciation for the various psychological situations that arise while working in education. The focus breeds a deeper understanding into the developmental stages, both physically and psychologically, that children, adolescents, and young adults deal with in their lives. The major will strengthen the understanding of what students with both mental and physical disabilities deal with, and how one can help them both inside and outside the classroom. The major combines the psychology writing and lab skills and the educational knowledge to provide the well roundedness needed to help the students, teachers, and administration in a school setting.

The educational psychology major will be well prepared for entry-level positions in educational institutions. In addition, graduate programs are available across the country for further study at the masters and doctoral levels. The student is directed toward positions in counseling and teaching.

Required Courses:			Hours
EDU 221	Educational Psychology		3
EDU 230	Child Growth and Development		3
EDU 231	Education of Exceptional Individual		3
EDU 233	Adolescent Growth and Development		3
EDU 290	Foundations of Education		3
EDU 291	Education Practicum I		2
EDU 453	Classroom Management and Organization		3
PSY 112	Psychology as a Natural Science		3
PSY 113	Psychology as a Social Science		3
PSY 270	Research Tools in Psychology		3
PSY 274	Methods in Experimental Psychology		3
PSY 290	Biological Psychology		3
PSY 312	Developmental Psychology		3
PSY 313	Developmental Psychology Lab		1
PSY XXX	Upper level Psychology Course		3
			Total: 42 hours

## 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

## 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 lead 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 feature 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

## 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

### 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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## 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

## Event and Corporate Meeting Coordination

The Event and Corporate Meeting Coordination major will be offered through the Westminster departments of Business, Communications, Leadership, and Managements Information Systems. The course work is designed to gain the knowledge needed to be a successful even coordinator and to gain computer skills, professional and interpersonal communication expertise, and the leadership abilities in running and coordinating an event team.

A degree in Event and Corporate Meeting Coordination pertains to interests of someone who is a highly organized individual, has a great deal of creativity and an ability to visualize. An Event and Corporate Meeting Coordination degree shows that an individual understands the basics of business, planning, management and practical skills. A major in even coordination will work with others, developing and leading meetings, as well as assign tasks to self and others. Business, management, and management information system courses will explore the basic practices of human behavior within the professional workplace.

A major in Event and Corporate Meeting Coordination would provide students with proper preparation for joining the workforce after graduation. Students would have gained knowledge and experience which qualify them for the next step, either further education or a career in Hospitality or Event Coordination. The Event and Corporate Meeting Coordination degree does not limit a student but instead provides them with a wide range of base skills that are much needed in the professional world.

Required Courses			Hours
ACC	215	Principles of Financial Accounting	3
BUS	220	Fundamentals of Management	3
BUS	250	Principles of Marketing	3
BUS	327	Operations Management	3
ITS	399	Internship	2
ECN	212	Principles of Microeconomics	3
LST	131	Event Management	1
LST	201	Leadership Theories and Practices	3
LST	210	Leadership for Non-Profit Organizations	3
MAT	122	Business Calculus	3
MIS	210	Spreadsheet Applications in Business	3
SPE	203	Interpersonal Communication	3
SPE	220	Public Relations	3
SPE	310	Business and Professional Communication	3
			Total: 39 hours



## 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
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## 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			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			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 Laymen'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

## General Business Operations

This major develops an appreciation for the role of business in society. The student will also learn to appreciate human interactions in the work environment and the process of running a business enterprise. The major will focus on the production function in a business enterprise and acquaint him/her with the decisions that must be made by the production manager and with some of the analytical techniques available to assist in this task. Topics include facilities layout, capital expenditure analysis, inventory control, production control, and quality control. In addition the major will acquaint the student with the uses of accounting for business operation and management, emphasizing the accounting process in manufacturing organizations. Topics include cost allocation and control, cost systems, budgeting, variance analysis, break-even analysis, and problems of alternative choice. Finally, the student will develop an ability to communicate effectively and work with others.

Required Courses:			Hours
BUS	220	Fundamentals of Management	3
BUS	250	Principles of Marketing	3
BUS	318	Corporate Finance	3
ACC	215	Financial Accounting	4
ACC	216	Managerial Accounting	4
ECN	211	Principles of Macroeconomics	3
ECN	212	Principles of Microeconomics	3
MIS	210	Spreadsheet Applications	3
BUS	327	Operations Management	3
BUS	299	Elective	3
ACC	308	Cost Accounting	4
ACC	312	Intermediate Accounting	4
			Total: 40 hours

### Other Required Courses:

MAT	114	Elementary Statistics	3
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## Graphic Design Teaching

A Graphic Design major would be offered primarily through the Westminster College departments of, Art, Math, and Education departments. This major is for the person who wants to do Graphic Design with the option to teach.

This is a major that is hard to find in most colleges and is a growing industry in the world. This major will help the student to be comfortable with moving between a PC and an Apple computer and the different software. The Adobe Creative Suite would be taught along with drawing, and 2-D design. Having a working knowledge of the computer and how to use the internet will help in this field as well. In the graphic design classes the assignments are given as though the student were working in a real business with definite deadlines. Education classes would be added for the student who wishes to teach.

Required Courses:			Hours
ART	200	Photography	3
ART	215	Graphic Design	3
ART	231	Survey of Western Art	3
EDU	101	Introduction to Education	1
EDU	221	Educational Psychology	3
EDU	231	Education of the Exceptional Individual	3
EDU	233	Adolescent Growth and Development	3
EDU	290	Foundations of Education	3
EDU	291	Education Practicum	3
EDU	453	Classroom Organization and Management	3
EDU	425	Student Teaching	12
HIS	102	British History	3
MAT	111	College Algebra	3
PSY	113	Psychology as a Social Science	3
SPA	101	Elementary Spanish I	4
			Total: 53 hours

### Recommended Courses:

Study Abroad at Winchester	9
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## Health Care Professions

The Health Care Professions major will be offered primarily through the Westminster College departments of Biology, Mathematics, Physical Education, and Psychology (along with sociology and ethics). Course work is designed to focus on the study of physiological, psychological, social development and the structures that influence the health, healing, and well-being of the mind, body, and spirit.

The major develops an appreciation for the various ways that biology contributes to health and disease through the study of anatomy/physiology (body parts and how they work), microbiology (understanding of virus and bacteria), and biochemistry (the molecular structure of organs and systems). Courses in psychology will help relate the body and mind in biology. Physical Education courses will explore human development and physical wellness.

This major directs the student toward a health profession focused on biology, anatomy, and physical education. However, this major is not limited to sciences, it incorporates the liberal arts degree that Westminster College promotes and stands for with the course of psychology, sociology, and ethics. With this major, the student will be eligible to apply at Barnes-Jewish Goldfarb School of Nursing 1 year accelerated program in St. Louis, Missouri. Once the student finishes this program, the student will have graduated from Westminster College in four years with a BA in Health Care Professions and BSN from Goldfarb School of Nursing.

Required Courses:			Hours
CHM 114/115	General Chemistry I and Lab		4
CHM 124/125	General Chemistry II and Lab		4
BIO 114/115	Biological Processes and Lab		4
BIO 124/125	Biodiversity and Lab		4
BIO 203	Human Anatomy		4
BIO 370	Physiology		4
BIO 403	Microbiology		4
MAT 111	College Algebra		3
MAT 114	Elementary Statistics		3
PSY 312	Developmental Psychology		3
PSY 113	Psychology as a Social Science		3
ENG 270	Expository Writing		3
PED 251	Nutrition		3
PHL 242	Biomedical Ethics		3
SCA 111	Introduction to Sociology		3
			Total: 52 hours

## Health Counseling

The Health Counseling major will be offered primarily through the Westminster College departments for Psychology and Physical Education. Course work is designed to focus on the study of human physiological, psychological, and social development that influences both physical and mental health.

The major develops an appreciation for the various ways psychology contributes to not only mental health but also physical health. A course in counseling theory will bridge the gap between psychology and how this can be used with counseling practices to motivate individuals to healthier life styles. Psychology classes provide an understanding of how the mind works and ways to understand human behavior including its role in health behavior change and counseling. Nutrition and physical education classes provide the resources to help individuals make healthy changes in life. Education classes allow understanding of different needs at each stage of life. Together the classes will explore human development for all ages and develop an understanding of physical wellness.

Required Course:			Hours
BUS	220	Fundamentals of Management	3
EDU	230	Child Growth and Development	3
EDU	233	Adolescent Development	3
LST	201	Leadership Theories and Practice	3
PED	200	Introduction to Human Nutrition	3
PED	204	Fitness and Wellness Concepts	2
PED	207	Health, Physical Education, and Safety in Elementary	3
PED	220	Social Science in Sport	2
PED	300	Community Nutrition	3
PED	355	Women's Health Issues	3
PED	406	Management in Physical Education and Athletics	2
PSY	312	Developmental Psychology	3
PSY	412	Counseling Theories and Methods	3
WGS	210	Introduction to Women's Studies	3
			Total: 39 hours

Recommended Course:			Hours
BIO	107	Introduction to Human Biology/Lab	4
PSY	112	Psychology as a Natural Science	3
PSY	113	Psychology as a Social Science	3

## 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



## Health and Nutrition

The Health and Nutrition major will be offered primarily through the departments of PED. Course work is designed to focus on nutrition and its relation to and effects on health of the individual.

The major develops a knowledge of and appreciation for the many ways that nutrition contributes to the health and disease of the individual, and how that in turn, affects our nation's health status as a whole. A knowledge and study of nutrition, combined with an understanding of human anatomy and physiology, will explore the relation between nutrition (good vs. poor) and individual health.

Required Courses:			Hours
PED 204	Fitness & Wellness Concepts		2
PED 230	Care and Prevention of Injuries		2
PED 405	Test and Measurement		2
PED 104	First Aid/CPR		1
PED 2XX	Global Public Health		3
PED 398	Nutrition: Independent Study Lifespan Nutrition		3
	Activity Courses		2
Mizzou:			
	Human Anatomy		5
	Human Physiology		5
	Developmental Psychology		3
	Intro to Nutrition		3
	Microbiology for Nursing		4
	Intro to Health Professions		2
			Total: 37 hours

## Health and Nutrition 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 the processes and mechanics of the human body (through 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 Courses:	Hours
BIO 124/125 Biodiversity	4
BIO 203 Anatomy	4
CHM 124/125 General Chemistry II Lecture/Lab	4
CHM 324/325 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: 30 hours

Recommended Courses:	Hours
EDU 230 Child Growth and Development	3
PED 220 Social Science in Sports	2

Total: 35 hours

## Health of Sports Performance

The Health of Sports Performance major will be offered through the exercise science, psychology and education departments. Course study is designed to study the physical and mental aspects of sports involvement, preparing students for what is to come if they decide to join a sport.

The major will prepare one to be able to explain, demonstrate, and advocate the importance of sports in development; the physical and mental aspects of being an athlete. The student will be able to inform other students of how to deal with the stresses of sports and how to deal with sports and school.

Required Course:		Hours
EDU 101	Introductions to Teaching	1
EDU 290	Foundations of Education	3
EDU 291	Education Practicum I	2
EDU 221	Education Psychology	3
EDU 393	Education Practicum II	2
PSY 113	Psychology as a Social Science	3
PSY 231	Sports Psychology	3
PED 230		2
PED 317	Couching Theory of Volleyball	2
HES 204	Fitness and Wellness Concepts	2
HES 251		3
HES 357	Community Nutrition	2
HES 398	Independent Study	2
LST 201	Leadership Theories and Practice	3
		Total: 33 hours

## Holistic Health Science

The Holistic Health Science major will be offered through the Westminster College departments of Biology, Health and Exercise, Psychology, Nutrition, and Religion. Course work is designed to focus on all areas of health including physical, mental, biological, and spiritual in order to influence and promote a healthy lifestyle to people of all ages.

This major covers different bases of health through the study of community nutrition (choosing the correct diet), psychology as a social science (understanding cognitive aspects of well-being), and Stress Management (learning how to deal with anxiety). A course in wellness and fitness will present the topic of exercise and its benefits for the body. A course in world religions touches on the spiritual elements of health and how large groups of people live with certain religious rules. First Aid and CPR is an all-around useful course in learning how to deal with health emergencies.

From this major, one will gain knowledge of well-being needed to provide advice and care to people in a setting rehabilitation. This major will direct the student towards their goals of healing people through physical therapy. Holistic Health Science is very vast and offers a wide variety of careers including dentistry, nursing, surgical technologists, and other health care professions.

Required Courses:			Hours
HES	399	Internship in Wellness	1
HES	357	Community Nutrition	3
HES	350	Adapted PE	3
HES	251	Introduction to Nutrition	3
HES	230	Intro to Prev and Care	3
HES	220	Social Science in Sport	2
HES	204	Wellness and Fitness	2
HES	2xx	Stress Management	3
BIO	114/115	Biodiversity	4
BIO	124/125	Biological Processes	4
BIO	107	Human Biology	4
HES	104	First Aid/CPR	1
PSY	231	Sport Psychology	3
PSY	113	Psychology as a Social Science	3
REL	102	World Religions	3
PED	A53	Bowling	1
			Total Hours: 42

## 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 Performance and Health

The Human Performance and Health major will be offered primarily through the Westminster College departments of Physical Education and Biology. Course work is designed to study the effects of exercise and maintaining good health or one's ability to become a better athlete.

The major develops an appreciation for the role of human performance, thus making the individual perform at a higher level, if not an athlete then simply increasing the quality of one's life. The major and the classes it involves, strengthen the student's ability to know how to design and implement a training program to a client's needs and goals. This is accomplished with challenging the physical and mental limits (not overstraining) of the performer, based on the most current fitness knowledge and standards.

Human Performance and Health major will prepare the student to take the education further in the same field or in to Athletic Training and Physical Therapy.

Required Courses:			Hours
BIO	107	Human Biology	4
BIO	203	Human Anatomy	4
BUS	220	Fundamentals of Management	3
CHM	105	Introduction to Chemistry	3
EDU	230	Child Growth and Development	3
PED	A10	Weight Training and Conditioning	1
PED	104	First Aid and CPR	1
PED	200	Introduction to Nutrition	3
PED	204	Fitness and Wellness Concepts	2
PED	230	Introduction to Prevention and Care of Athletic Injuries	2
PED	231	Sports Psychology	3
PED	321	Kinesiology	3
PED	340	Exercise Physiology	3
PED	399	Internship	2
PED	405	Measurement and Evaluation in Physical Education	2
SPE	101	Introduction to Speech Communication	3
			Total: 42 hours

## Human Resource 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 223 Business Law	3
BUS 326 Human Resource Management	3
PSY 113 Psychology as a Social Science	3
PSY 274 Methods of Experimental Psychology	3
PSY 241 Industrial Organizational Psychology	3
SPE 203 Interpersonal Communications	3
LST 201 Leadership Theory & Practice	3
LST 205 Mediation and Conflict Resolutions	3
LST 210 Leadership Non-Profit Organizations	3
EDU 231 Education for Exceptional Individuals	3
BUS 399 HR Assistant Internship	3
BUS 399 Professional Development Internship	3
	Total: 39 hours

## Human Resource Management

The Human Resource Management major will be offered primarily through the Westminster College departments of Business, Psychology, Leadership, Education, and Speech,. The student will study the recruiting and training process to ensure the best employees, ensuring that they are high performers, dealing with performance issues, and ensuring personnel and management practices that conform to various regulations. Course work will also help with managing approaches for employee benefits and compensation, employee records and personnel policies. The major expands knowledge and appreciation of organizational development. The student will learn how to mediate and work through confrontational issues, interpret strengths and weaknesses of individuals, focus on interpersonal communication skills, and be able to organize, interpret, and share information. The major will allow for the progression and maturity of employee satisfaction, and therefore work ethic and success within a company. Lastly, this major will help students to increase workplace performances and enhance positive workplace cultures and attitudes.

This student also plans to minor in Psychology and Accounting. These courses complement the major by exploring the perspectives of certain people's psychological, emotional, and financial needs. Understanding the needs of people in a firm is important in order for a firm to succeed; it is the collective efforts of the workers and the individual that create a successful firm. Having an accounting minor will allow the student to have a better understanding of payroll processing, salary and insurance costs. This major along with the two minors will direct the student toward Industrial/Organizational Psychology graduate programs that are available across the country for further study at the master's level. This will help the student find employment in business, resource hunting, coaching employees, salary and payroll negotiations, management, and employee satisfaction.

Required Courses:			Hours
BUS	220	Fundamentals of Management	3
BUS	221	Management Practices and Organizational Behavior	3
BUS	223	Business Law	3
BUS	326	Human Resources Management	3
BUS	399	Internship: Professional Development	1
BUS	399	Internship: Human Resources Assistant	2-3
EDU	231	Education of the Exceptional Individual	3
LST	201	Leadership Theory and Practice	3
LST	205	Mediation and Conflict Resolution	3
LST	210	Leadership for Non-Profit Organizations	3
PSY	113	Psychology as a Social Science	3
PSY	274	Methods of Experimental Psychology	3
PSY	315	Psychology of the Personality	3
SPE	203	Interpersonal Communication	3
WSM	101	Leadership and Beyond Seminar	3
			Total: 42-43 hours
Recommended Course:			
PSY	340	Forensic Psychology	3

2010/11



## 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

## Human Resource Management

The Human Resource Management major is designed to provide Westminster College students with knowledge and skills required for future success in organization employees management. The Human Resource Management major governs organizational staging, compensation, and training. Human Resource Managers are expected to analyze and develop strategic places to improve individual and organizational performance. This field of studies is also responsible for legal and ethical practices in the treatment of employees.

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 Human Resource Management develops an appreciation for the various methods of recruiting, interviewing, and hiring the best candidates for the positions. This major also entails strategic planning and serving as a link between the managers and employees of an organization. The Business courses listed below will 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 the most. Courses in Psychology will allow insight into general human activity and how human beings respond to different situations. This course would also allow for a better understanding of human behavior and practices. Communication courses would allow the individual to develop and improve his or her communication skills; proper communication is crucial in the Human Resource Management field. Courses in the leadership department will allow knowledge on how leaders should behave and address issues in order to ensure the most desirable and beneficial outcome.

Required Courses:		Hours
BUS 221	Management and Organizational Behavior	3
BUS 220	Fundamentals of Management	3
BUS 223	Business Law	3
BUS 322	Cross Cultural Management	3
BUS 326	BR Management	3
BUS 450	Business Policy	3
PSY 113	Psychology as a Social Science	3
PSY 241	Industrial Organizational Psychology	3
SPE 101	Introduction to Speech	3
SPE 203	Interpersonal Communications	3
LST 201	Leadership Theory and Practice	3
LST 205	Mediation and Conflict Resolutions	3
MIS 210	Spreadsheet Applications in Business	3
BUS 399	Professional Development Internship	3
Total hours:		45

## Humanities through Visual Design and Literature

The self-designed major through 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		1
ENV 300		2
FRE 300	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	Drawing I	3
ART	Drawing II	3
ART 200	Digital Photography	3
ART 215	Graphic Art	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
FR		

## 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

## International Business Communications

The Self-Designed major of Business Communications will be offered primarily through the Westminster College departments of Communications, Business and English. Course work in this major is designed to study the nature of business and sales and the way to improve communication skills, verbal and non-verbal through the communication and English classes preparing the student for a position that is sales and service oriented.

The major will develop communication skills which are vital when having a management position. This major will also further the students ability to understand marketing and advertising strategies and abilities to implement these strategies into the real world. This major will strengthen the student's verbal skills by the communication and English classes allowing the student to communicate more effectively, which will be essential when presenting but also during sales calls or potential management issues.

International Business Communications Majors are very well prepared to either start in entry level management positions or to pursue a entry level regional sales position.

Required Courses:			Hours
ASN	201	Asian Studies	3
BUS	220	Fundamentals of Management	3
BUS	250	Principles of Marketing	3
BUS	330	Advertising	3
ENG	200	Journalism Practicum	1
ENG	260	Introduction to Journalism	3
ENG	270	Expository Writing	3
ENG	360	Media and Message	3
FAR	215	Art of the Film	3
GER	101	Elementary German I	4
GER	102	Elementary German II	4
GER	203	Intermediate German I	3
INT	210	Model UN	2
INT	212	Model UN	2
INT	212	Model UN	2
LST	201	Leadership Theory and Practice	3
LST	205	Mediation and Conflict Resolution	3
POL	212	Introduction to International Politics	3
POL	306	Western European Government	3
SPE	101	Introduction to Speech Communication	3
SPE	203	Interpersonal Communication	3
			Total: 60 hours

## 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

## 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



## 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

## 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 and 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 advertisements 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

## 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

## 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 in order 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 balance of influence and work ethic.

The major incorporates an understanding of changing trends and methods that information is realized and absorbed through marketing and through this method 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 in different cultures that can be applied to different departments in the workplace through management. This major will strengthen the understanding in the workplace and how best to utilize that information to produce the best through applying certain trends to influence progress and procedure. Finally, the marketing aspect will help communicate effectively in work so that the best understanding can be derived.

Marketing and Business Administration 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

## 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
Internship in area of Women's Issues (Approved by advisor)		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)

PSY 301	Human Sexual Behavior	9
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	

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Total: 36 hours

## Museum Management

The goal of this major is to prepare the student to pursue a career in the museum and gallery industry. After graduation the student will be prepared to pursue masters of art history to pursue a career as a museum curator or to attend an MBA program to pursue a career in management.

In order to prepare for this career or further continuation of education, this interdisciplinary major was designed to combine courses in Management, Accounting, Economics, Art History and Studio Art courses.

In order to become a professional in the Museum and Gallery fields, the student will need courses that develop knowledge and skill in the history of art, build skills in business management, accounting and marketing, and will provide a foundation to continue on to a graduate program or begin a career.

Required Courses:			Hours
ACC	215	Principles of Financial Accounting	3
ACC	216	Principles of Managerial Accounting	3
ART	200	History of Photography	3
ART	200	Digital Photography	3
ART	210	Photography	3
ART	230	Survey of Western Art I	3
ART	231	Survey of Western Art II	3
ART	499	Museums and Galleries: The Culture of Display	3
BUS	220	Fundamentals of Management	3
BUS	223	Business Law	3
BUS	250	Principles of Marketing	3
BUS	318	Corporate Financial Management	3
BUS	399	Internship: Museum Management	3
ECN	211	Macroeconomics	3
ECN	212	Microeconomics	3
MAT	114	Elementary Statistics	3
			Total: 48 hours

## 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 and 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

## Non-Profit Leadership

This Non-Profit Leadership major will be offered through the Westminster College departments of Leadership Studies and the Division of Social Sciences. Course work is designed to understand the basic of working for a non-profit organization, learn about underprivileged peoples, and encourage a holistic approach to leadership.

This interdisciplinary major fosters 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 non-profit sector is adapting to new styles of management. Through this knowledge, students will be fully equipped with the tools needed to succeed in the world.

Coupled with an English minor, this major can be used in a variety of ways to improve the modern world through grant-writing for non-profit organizations, writing literature to educate the public on important social justice issues, or even teaching in an academic situation. This major could also be furthered with the experience of an internship, whether on- or off-campus, in a setting that matches the student's passion and/or is similar to working for a non-profit organization.

Required Courses:			Hours
BUS	220	Fundamentals of Management	3
LST	132	East African Studies	1
LST	133	Youth Mentoring and Training	1
LST	133	Leadership in Social Justice	1
LST	180	Tutoring	1
LST	201	Leadership Theories and Practice	3
LST	205	Mediation and Conflict Resolution	3
LST	210	Non-Profit Organizations	3
LST	300	Cross-Cultural Leadership	3
LST	398	Independent Study: Grant Writing	3
LST	399	Internship: Human Trafficking	1
LST	399	Capstone Internship	3
LST	401	Mentoring	3
PHL	212	Introduction to Ethics	3
POL	205	Introduction to Political Theory	3
PSY	113	Psychology as a Social Science	3
			Total: 38 hours

### Other Required Course:

MAT	114	Elementary Statistics	3
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### Recommended Courses:

SPA	203	Intermediate Spanish I	3
SPA	204	Intermediate Spanish II	3

2011/12



## Organizational Leadership

The Organizational Leadership major will be offered through two Westminster College departments/programs and includes interdisciplinary courses work in the areas of Organizational Leadership and Business Administration.

The Organizational 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 process of planning and managing one’s own business or enterprise.

Organizational Leadership majors are well prepared for a variety of careers in the profit, public service, 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
ACC	215	Principles of Financial Accounting	4
BUS	299	Business Elective	3
PHL	212	Introduction to Ethics	3
LST	201	Leadership Theories/Practice	3
LST	210	Leadership in Non-Profit Organizations	3
LST	205	Mediation & Conflict Resolution	3
LST	299	Leadership Elective	1
LST	300	Cross-Cultural Leadership	6
MSC	299	Military Science	2
PSY	113	Psychology as a Social Science	3
PSY	241	Industrial/Organizational Psychology	3
SCA	111	Introduction to Sociology	3
			Total: 37 hours

### Recommended Courses:

MAT	114	Elementary Statistics	3
CSC	101	Introduction to Computers	3
CSC	177	Foundations of Information Technology Science	3
Upper-level Course Outside Major:			
HIS	300	Oral History	3

2013/14

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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 process of planning and managing one’s own business or enterprise.

Organizational Leadership majors are well prepared for a variety of careers in the profit, public service, 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
PHL	299	Philosophy Elective (ethics)	1
LST	200	Social Entrepreneurship & Innovations Lab	2
LST	201	Leadership Theories/Practice	3
LST	210	Leadership in Non-Profit Organizations	3
LST	205	Mediation & Conflict Resolution	3
LST	299	Leadership Elective	3
LST	325	Cross-Cultural Leadership	3
MSC	299	Military Science	3
PSY	112	Psychology as a Natural Science	3
PSY	113	Psychology as a Social Science	3
PSY	241	Industrial/Organizational Psychology	3
PSY	274	Methods in Experimental Psychology	3
PSY	406	Substance Use Disorders	3
			Total: 37 hours

### Recommended Courses:

MAT	114	Elementary Statistics	3
ECN	110	Introduction to Economics	3
Upper-level Course Outside Major:			
HIS	350	The Vietnam Wars	3

2014/15

## 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

## 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 major 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 from generations. With completion of this major, student should gain an appreciation from 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

## 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 in Transnational Studies (w/ focus on Peace and Conflict Studies)	3

Total hours: 34

## 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

## Public Relations and Event Management

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

The major develops an appreciation and skills for human interaction through diverse religions and cultures in a work environment. Students will also learn to appreciate the process of conceiving, planning, and the carrying out of events. The major 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	3
ENG	270	Expository Writing	3
ENG	290	Critical Practicum	3
ITS	399	Internship	3
LST	131	Event Management	1
POL	211	American Government and Politics	3
REL	102	World Religions	3
SCA	115	Cultural Anthropology	3
SPE	101	Introduction to Speech Communication	3
SPE	220	Public Relations	3
SPE	310	Business and Professional Communication	3
			Total: 31 hours



## 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 Independent Study Intro to Queer Studies	3
REL Independent Study Upper Level 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	
Literary and Cultural Perspectives	3
SCA 111 Introduction to Ethics	
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)

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/POL 300 Women in Politics	3
WGS 356	3
Total:	9

Total Major: 33 hours

2014/15

## Religious and Educational Studies

The Religious and Educational Studies major would prepare the student to work with youth as a religious mentor, teacher, counselor, etc. The student has a calling to work with youth, and the combination of coursework in Religion and Education will help the student achieve this. Religious Studies will provide the opportunity of studying different cultures, as well as serving as a basis for seeking guidance for all. The Education coursework will outline actual teaching strategies for both one-on-one counseling and small groups as well.

Required Course:		Hours
EDU 230	Child Growth and Development	3
EDU 231	Education of the Exceptional Individual	3
EDU 290	Foundations of Education	3
EDU 291	Education Practicum I	2
EDU 385	Diversity in Education	3
EDU 392	Teaching Reading in the Content Area	2
EDU 393	Education Practicum II	2
LST 131	Leadership Lab: Event Management	1
LST 205	Mediation and Conflict Resolution	3
PHL 212	Introduction to Ethics	3
REL 101	Introduction to the Bible	3
REL 102	World Religion	3
REL 300	Upper level topic	3
REL 316	Teachings of Jesus	3
SCA 115	Introduction to Cultural Anthropology	3
WGS 200	Cultural Perspective	1
		Total: 41 hours

## 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 in 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

Science of Information, contd.

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:			Hours
<i>Introduction to information science (all are required)</i>			
MIS	201	Introduction to Information Systems and lab	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 an 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

Science of Information, contd.

Capstone (at least one research project)

XXX 398 Independent Study: Research

5

XXX XXX Essay

N/A

Total: 31-33 hours

Recommended Courses:

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

## 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

## Secondary Education in Middle Schools

This major focuses on 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

## Secondary Education in Social Sciences with Latin Emphasis

The Secondary Education in the Social Sciences with a Latin Emphasis major will be offered through the Westminster College departments of Education and Classics. The coursework is designed to not only understand teaching in the social sciences, but also gain an understanding of Latin and its historical background.

The major develops appreciation for Latin, which is a language that is incorrectly seen as irrelevant. The classes in Latin will give the student a foundation and understanding in the language. The supplementary Classics will provide the student with an important understanding of the field as well as gain important historical background of the language. The Education courses will provide the student with the techniques necessary to teach students at the secondary level. Combined with the classics classes, the education classes will prepare the student to teach Latin classes at the Secondary school level.

The completion of this major will prepare the student to teach Latin at the high school level, as well as various history courses, or pursue a career in museum studies or other educational or classics studies related fields.

Required Courses:			Hours
LAT	102	Latin II	3
LAT	203	Intermediate Latin I	3
LAT	204	Intermediate Latin II	3
EDU	221	Educational Psychology	3
EDU	291	Foundations of Education	3
EDU	233	Adolescent Growth & Development	3
EDU	392	Reading Content Area	2
EDU	231	Education of the Exceptional Individual	3
EDU	400	Foreign Language Teaching	3
CLA	215	Mythology	3
CLA	228	Roman Civilization	3
HIS	200	Museum Studies	2
EDU	101	Introduction to Education	1
			Total: 38 hours

### Other Required Courses:

HIS	102	Survey of British History	3
HIS	103	US History to 1890	3
HIS	104	US History since 1890	3

### Recommended Courses:

LAT	101	Elementary Latin I	4
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## 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

## 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 have been achieved.

This student also majors in History and Political Science. These courses compliment 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 Secondary Schools		3
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

## 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

## Justice and Sustainability

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

### Prerequisite:

REL 101 Introduction to the Bible  
SCA 300 Race and Ethnicity

### Required Courses:

	Hours
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	

### 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: The Holocaust and other Genocides	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

## 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 is 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 provides 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 Course:		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	2
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

## Sports and Physical Activity Science

The Sports and Physical Activity Science major will be offered primarily through the health and exercise science, psychology, and organizational leadership programs. The major has its foundation in the scientific basis of sport and physical activity, while preparing students for professional opportunities in sport, community programs, and educational settings as well as for additional study in sports-related fields. The major will aid students to utilize their professional backgrounds in community athletic programs, but they will also be in the position to further their education into other professional fields.

Required Courses:			Hours
PED	104	First Aid and CPR	1
PED	A10	Weight Training & Body Building	1
PED	200	Stress Management	3
PED	230	Prevention/care Athletic Injury	2
PED	204	Fitness/Wellness Life	2
PED	215	Principles of Motor Learning	2
PED	406	Management PE/Athletic	2
PSY	231	Sports Psychology	3
HES	220	Social Science in Sport	2
HES	405	Measurement & Evaluation	2
LST	201	Leadership Theories/Practices	3
PED	A00	Art of Strength & Fitness	1
HES	240	Intro to Global Public Health	3
LST	300	Cross Cultural Leadership	3
HES	399	Internship	3
			Total: 33 hours

## 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 are explore moto and human development and physical wellness.

Nicolas also plans to minor 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
Activity Courses		
Other Required Courses		
PSY 112	Psychology as a Natural Science	3
HES 321	Kinesiology	3
HES 233		3
HES 398	Independent Studies	1
EDU 221	Educational Psychology	3
Recommended Courses		3
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

## Sports Business Management

The Sports Business Management major will incorporate the Business and Physical Education departments of Westminster College. Course work in this major will include financial management, marketing and physical education.

The Sports Business Management major with its basis in a liberal arts education provides students with a broad range of educational skills such as: management, leadership and organization. Also, students will gain the skills needed to succeed in the field of business.

Sports Business Management majors will be able to pursue careers in many fields including: sports advertising, management, and finance. Also, this major allows students to further their education in areas such as business administration along with sports and recreation.

Required Courses:			Hours
ACC 215	Principles of Financial Accounting		4
ACC 216	Principles of Managerial Accounting		4
BUS 220	Fundamentals of Management		3
BUS 221	Management Practices and Organizational Behavior		3
BUS 223	Business Law		3
BUS 250	Principles of Marketing		3
BUS 318	Corporate Financial Management		3
BUS 325	Entrepreneurship		3
BUS 330	Advertising		3
ECN 211	Principles of Macroeconomics		3
ECN 212	Principles Microeconomics		3
PED 220	Sports Sociology		2
PED 406	Management in Physical Education and Athletics		2
			Total: 39 hours

## Sports Education

The Sport Education major will combine courses primarily offered through Westminster College 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

## 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	Coaching 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	Coaching 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

## Sport Health Science

The Health Care major will be offered primarily through the Westminster College departments of Health Science, Biological Sciences, and Chemistry. Coursework in health science and physical education will focus on principles of wellness and fitness. Biology, chemistry and physics coursework will provide a general understanding of the sciences. Speech and psychology courses will provide a general understanding of the sciences, as well as provide a framework for understanding basic human communication and interaction patterns.

Required Courses:			Hours
BIO	114/115	Biological Processes	4
PHY	105	Introduction to Physics	3
MAT	121	Pre-Calculus	3
HES	104	First Aid	2
HES	230	Care and Prevention of Injuries	3
HES	251	Introduction to Nutrition	3
HES	406	Management of PE & Athletics	2
HES	340	Exercise Physiology	3
PED	299	Building Fitness for Life	2
PHL	242	Biomedical Ethics	3
ITS	299	Internship (total Health & Rehab)	4
			Total: 33 hours

Other Required Courses:			Hours
BUS	299	Business Management	3
PSY	112	Psychology as a Natural Science	3
SPE	101	Introduction to Speech	3
SPE	203	Interpersonal Communication	3
			Total: 45 hours

## Sports Management and Youth Programming

This major combines Physical Education as well as Education Management coursework to prepare the student to enter the world of Athletics and Youth Programming. The Physical Education coursework focuses on the study of human physiological and social developments as well as management issues relating to sports and coaching. The education coursework allows the student to recognize, design and evaluate quality programming for children and youth.

This major would allow the graduate to work in a school setting as well as a professional and community sports organization.

Required Courses:			Hours
BUS 299	Business Elective		3
EDU 101	Introduction to Teaching		1
EDU 233	Adolescent Growth and Development		3
EDU 290	Foundations of Education		3
EDU 291	Education Practicum I		2
EDU 308	Social Studies in Middle School		2
EDU 434	Teaching PE in Middle and Secondary School		2
LST 131	Career Management		1
PED 200	Values in Sports Management		2
PED 220	Sports as a Social Science		2
PED 231	Sports Psychology		3
PED 309	History and Philosophy of Physical Education		2
PED 313	Coaching Theory of Baseball		2
PED 318	Coaching Theory of Softball		2
PED 331	Sports Officiating: Football		1
PED 333	Sports Officiating: Baseball		1
PED 338	Sports Officiating: Softball		1
PSY 221	Educational Psychology		3
SPE 101	Introduction to Speech Communication		3
			Total: 39 hours

## Sports Marketing and Finance

The Sports Marketing and Finance major will be offered through the Westminster departments of Business Administration, Accounting, Physical Education, Psychology, and Finance. The coursework involved with this major will include the study of theories, research, and methods of marketing, advertising, finance, and physical education. The course work will also include professional application of this knowledge to the field of Sports Marketing and Finance.

The Sports Marketing and Finance major, with its foundation in a liberal arts education, challenges the student to appreciate this field of study from many perspectives: historical, ethical, organizational, cultural, and scientific. Students learn to appreciate the dynamics of human interaction in this type of work environment, as well as learning the skills necessary to manage, lead, plan, negotiate, mediate, and communicate with clientele from different cultural backgrounds.

Sports Marketing and Finance majors are well prepared for entry-level positions with various companies that deal with marketing at sports events or even other positions that involve sports, health and recreation, or finance. Additionally, students with this training have the background to enter graduate programs in sports marketing, marketing, accounting, business, and other related areas. Some students, especially those interested in being a sports agent, may pursue further education through law school.

Required Courses:			Hours
ACC	215	Principles of Financial Accounting	4
BUS	220	Fundamentals of Management	3
BUS	230	Personal Finance	3
BUS	250	Principles of Marketing	3
BUS	330	Advertising	3
ECN	211	Principles of Macroeconomics	3
PED	104	First Aid and CPR	1
PED	200	Values in Sports Management	1
PED	231	Sports Psychology	3
PED	309	History and Philosophy of Physical Education	2
PED	314	Coaching Theory of Baseball	2
PED	334	Sports Officiating: Basketball	1
			Total: 29 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:			Hours
HES	261	Intro to Epidemiology	3
HES	357	Community Nutrition	3
SCA	348	Medical Anthropology	3



## 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 an 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:			Hours
BIO	4XX	Medical Terminology	1
PSY	312	Developmental Psychology	3

## Sports Medicine/Pre-Physical Therapy

The Sports Medicine and pre-Physical Therapy major will be offered through the Westminster College departments of Biology and Physical Education. This self-designed major will include courses in the sciences such as the study of Human Anatomy, Physiology, Biology and Physical Education. These courses will provide a foundation toward the goal of using sports medicine through physical therapy, such as Kinesiology and Exercise Physiology.

This major will incorporate the fundamentals of biology, anatomy and physiology to understand the human body and efforts to acquire health through rehabilitation. A major in Sports Medicine will be beneficial through merging both the sciences and physical education in developing ways that the body rehabilitates from injuries, providing education of human development, restoration, functional ability and overall physical wellness. It will prepare the undergraduate student for developing personalized, comprehensive and holistic approaches to Sports Medicine and Physical Therapy in graduate study.

This student also plans to minor in psychology. Recognizing the mind-body connection, psychological issues will be a part of physical therapy practice. Therefore, a solid background in psychology will strengthen this major as the student prepares for graduate study. With this major, the student will be following a strong course in the direction of Physical Therapy, focused in Sports Medicine where the student will be specializing in rehabilitating athletes.

Required Courses:			Hours
BIO	124/125	Biodiversity and Lab	4
BIO	203	Human Anatomy	4
BIO	402	Animal Physiology	4
CHM	125/125	General Chemistry II and Lab	4
MAT	114	Elementary Statistics	3
MAT	124	Calculus I	5
PED	321	Kinesiology	3
PED	340	Exercise Physiology	3
PHY	201	Physics I	4
PHY	212	Physics II	4
PSY	231	Sports Psychology	3
PSY	312	Developmental Psychology	3
			Total: 44 hours

## 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

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## Sports Psychology

The Sport Psychology major will be offered through the Westminster department 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. Education of the symptoms and effects of injuries on differing levels of severity. 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 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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## Sports Recreational Management

The Sport Recreational Management major will be offered primarily through Westminster College departments of Business, HES, and Physical Education. The course is designed to focus on the study of physical activity and wellness in a community setting with attention to the organization and business management program.

The major develops an understanding for the various ways that sports contribute to coaching programs for childhood and physical training of athletes and young adults. A course in physical education will help me understand different physical regimens and activities to implement and HES explores wellness in human beings. Business courses will look at the use of management in understanding planning, organizing, leading, and directing an organization to accomplish its goal.

Required Courses:			Hours
BUS 220	Fundamentals of Management		3
BUS 221	Management Practices & Organizational Behavior		3
BUS 250	Principles of Marketing		3
BUS 299	Accounting		4
BUS 223	Business Law		3
BUS/HES 399	Internship		3
HES 405	Measuring and Evaluation in PE		2
HES 204	Fitness and Wellness Concepts		2
PED 231	Sport Psychology		3
PED 331	Coaching Theory		1
HES 309	History & of PE		2
MIS 201	Introduction to Information Systems		3
HES 230	Care & Prevention		2
SPE 101	Intro to Speech		3
PED 345	Methods of Teaching Middle/Secondary School PE		3
			Total: 47 hours

## Sports Therapy

The Sports Therapy major will be offered mainly through the Physical Education Department. Course work is designed to educate and prepare the student to provide first aid and attend to injuries in a recreational, training and competitive environment. To assess and, where appropriate, refer on for specialist advice and intervention. To provide sports therapy pre and post activity, to implement appropriate rehabilitation programs, and 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

## 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

## Youth Development and Leadership

The Youth Leadership and Development major will be offered primarily through the Westminster College departments of Psychology, Education and Leadership. The course work is designed to focus on the development and education of youth across all age ranges and cultures.

This major is designed to prepare graduates to effectively work with youth as they develop their roles in society. Students will learn to understand youth from multiple perspectives, including an appreciation for their psychological, emotional, physical, intellectual, and spiritual development. Particular emphasis will be placed on understanding students within a cross cultural context, including race, ethnicity, nationality, and religious tradition. Students majoring in Youth Leadership and Development will learn critical thinking and communication skills necessary to work in a number of settings and situations.

Youth Leadership and Development majors are well prepared for entry-level positions in a wide variety of organizations that focus on helping young people develop, including Boys and Girls Clubs, YMCAs, juvenile justice programs, adolescent rehabilitation centers, elementary/middle/secondary schools, church youth programs, and athletic, camp, and recreation programs.

Required Courses:			Hours
ASN 201	Asian Studies		3
EDU 101	Introduction to Teaching		1
EDU 221	Educational Psychology		3
EDU 230	Child Growth and Development		3
EDU 233	Adolescent Growth and Development		3
EDU 290	Foundations of Education		3
EDU 291	Education Practicum I		2
HIS 279	African Civilization		3
LST 131	Leadership Labs (3)		3
LST 201	Leadership Theories and Practice		3
PSY 112	Psychology as a Natural Science		3
PSY 113	Psychology as a Social Science		3
PSY 312	Developmental Psychology		3
PSY 411	Abnormal Psychology		3
SCA 111	Introduction to Sociology		3
			Total: 42 hours



## Youth Development and Leadership

The Youth Development and Leadership major combine the foundational coursework for working with youth in educational, recreational, religious and social settings. The coursework are drawn from Education, Physical Education, Leadership Studies and Religious Studies. Course work will focus on understanding the educational, recreational, religious and social development of children and adolescents and will provide the skills needed to teach, mentor and counsel children and adolescents in a variety of settings such as school districts, church-related programming and recreational facilities.

This major provides strong preparation for students entering graduate school in areas related to education, religion, youth development, social services, and recreation.

Required Courses			Hours
EDU	101	Intro to Teaching	1
EDU	230	Child Growth and Development	3
EDU	290	Foundations of Education	3
EDU	291	Education Practicum	2
LST	133	Youth Mentoring	1
LST	201	Leadership Theories	3
LST	205	Mediation and Conflict Resolution	3
LST	300	Cross Cultural	3
LST	399	Leadership internship	3
LST	210	Leadership in Nonprofit organization	3
PED	206	Growth & Development through Elementary PE	3
REL	101	Intro to Bible	3
REL	102	World Religions	3
REL	316	Teaching of Jesus	3
Total:			37 hours

Other Required Courses			Hours
PED	104	First Aid & CPR	2
PED	406	Management PE/Athletics	2
PSY	113	Psychology as a Social Science	3
SCA	111	Introduction to Sociology	3

## Youth Leadership and Wellness

The Youth Leadership and Wellness major is offered primarily through Education and Physical Education departments with additional offerings in Leadership Studies. Coursework will prepare the graduate for work in community settings in the areas of coaching, youth programming, and youth wellness.

The major focuses on strengthening the student's ability to be a positive force for young people in the community through background and expertise in youth activities, e.g. coaching, recreational and educational programming, and youth development. The course in Leadership Studies will enhance the student's capabilities to be of service and guidance to young people in the community.

Job opportunities will include youth programming such as YMCA program and or coaching, parks and recreation, youth leader, and youth mentor. This major will prepare the student to enter the field of coaching, and help lead young minds on to the right path. Courses in leadership will help fortify the student's skills in better decision making. The physical education and wellness courses back up the knowledge of the body.

Required Courses:			Hours:
EDU 230	Child Growth and Development		3
EDU 290	Foundations of Education		3
EDU 291	Education Practicum I		2
LST 201	Leadership Theories and Practice		3
LST 205	Mediation and Conflict Resolution		3
LST 300	Upper level elective		3
PED AXX	Physical Education Activity Courses (2)		2
PED 204	Fitness and Wellness Concepts		2
PED 206	Growth and Development through Elementary PE		3
PED 220	Social Science in Sport		2
PED 231	Sports Psychology		3
PED 314	Coaching Theory of Basketball		2
PED 334	Sports Officiating: Basketball		1
PED 350	Theories of Adapted Physical Education		3
PED 434	Methods of Teaching Secondary Physical Education		2
SPE 203	Interpersonal Communication		3
			Total: 40 hours

## Youth Sports Studies

The Youth Sports Studies will be offered primarily through the Westminster College departments of Education and Physical Education Department. Coursework is designed to focus on the study of the child and adolescent development and education primarily through Physical Education, Education, and Sports courses. Education courses teach educational theory and pedagogical strategies; the PED courses develop sport and physical activity foundation and skills.

The major develops an appreciation of how physical activity impacts all areas of human development: intellectual, psychological, emotional, spiritual, and physical health and well-being. Courses taken include exploration for motor skill development and exercise for fitness and sports training. An appreciation of teaching children and adults how to safely exercise for growth and development, and a lifetime of health and fitness will be emphasized. Growth and development courses emphasize the psychological and mental development of K-12 students. Educational foundation courses focus on current issues and philosophical bases for teaching and learning.

Kurt's interest are to work with young people and families in the community organizations and resorts involving physical activity for example YMCA, sports camps, athletic academic, sport specific individual and team training, resort recreation activities planner, etc.

Required Courses	Hours
EDU 223	3
EDU 231 Education of Exceptional Individuals	3
BIO 106	4
PED 350 Adopted PE	3
SPE 101 Intro to Speech	3
PED 104 FA/CPR	1
PED 204 Future of Wellness	2
EDU 101 Introduction to Teaching	1
EDU 290 Foundations of Education	3
PED 200 Contemporary Issues in Sports	1
PED 312 Coaching in Sport Theory	2
PED 220 Sociology of Sport	2
EDU 221 Ed. Psychology	3
EDU 291 Education Practicum I	2
PED 206 Growth and Development in PE	3
Activity Courses	4
Total: 40 hrs.	



# Self-Designed Minors



2015-16



## Adaptive Technology

huge number of the computer user population, 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 use 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, the ability of people with disabilities can perceive, understand, navigate, and interact with the digital world in general, and that they can contribute to the Web as well as suggesting technical enhancements to these applications to meet these needs.

The digital world is gradually becoming a vital resource in many aspects of survival: education, employment, government, commerce, health care, recreation, and more. The importance for accessibility on the Web has become priority to many organizations to provide equal access and equal opportunity for people with disabilities to 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
Adaptive Technology Research (Independent Study)			3
			Total: 21 hours

## Business Communication

The Business Communication minor will be offered through the Westminster College departments of Business Administration, Speech and English. Course work is designed to effectively cover various areas of communication, including verbal, written and visual communications.

This minor develops and appreciation for the art of communication. Proper communication is absolutely vital in the business world. With a business communication minor and the use of the proper communication, conflicts can be reduced. Also, being able to communicate effectively allows one to more easily get what they want. Knowing how to communicate will also add aid in building stronger relationships and having others to adopt your ideas. Overall, proper communication skills can and will make others like you better. In a world where the job market is tight, being able to communicate is essential and can be beneficial in many industries.

I am majoring in Business Administration with emphasis in Marketing and Finance. These courses in the business communication minor will complement my major and I will have an all-around, well-balanced business degree. I would love to get in the field of sports marketing or sports broadcasting and a business communication minor would certainly enhance and demonstrate my skills. If that path were not to work out, my knowledge and experience in the areas of marketing, finance and business communications, will have me ready for employment in the business world.

Required Courses			Hours
SPE	101	Introduction to Speech	3
SPE	203	Interpersonal Communication	3
SPE	310	Business/Professional Communication	3
ENG	260	Intro to Journalism	3
BUS	330	Advertising	3
SPE	220	Public Relations	3
			Total: 18 hours

## Business Technology

The Business Technology minor will be offered through the Westminster departments of Computer Science, Information Technology and Management Information Systems. Coursework is designed to help students become acquainted with the underlying principles of information storage and management, understand techniques for building useful interactive computerized information systems, and extend the practice of problem solving, program documentation, and realizing relationships between business and technology.

The minor develops an appreciation for the role on Information Technology in society, user-friendly interface in the workplace, and the use of specialized databases in the modern world. It teaches epistemological viewpoints of general Information technology concepts. The minor will help build a bridge between businesses and technology. Being disciplined in both Business and Technology will allow me to help clients and co-workers communicate should they be stuck on either side of the bridge.

Business majors when connected with Business Technology minors are more than prepared for entry-level positions in a wide variety of organizations. Having a Business major gives me the expertise in the daily operations of the business world while the Business Technology minor will allow me to have an understanding of the technical side within a company. This will give me a leading edge over my colleagues and give me that extra resume boost. Students can find ready employment in areas such as business, marketing, financial consulting or information technology.

Required Courses:		Hours:
ITY 177	Foundations of IT Science	3
CSC 100	Surveys Computer Science	3
ITY 100	Introduction to Software Engineering	3
ITY 300	Information Storage and Management	3
MIS 360	Decision Science	3
		Total: 15 hours



## Communications

The communications minor will be offered through the Westminster College departments of Communications, Business Administration, and English. The course work is designed to enhance students' ability to communicate effectively in a professional setting. Students will study various communications theories which shall be complemented by the study of business functions such as marketing and management for which communications is essential.

The communications aspects of the minor includes: Introduction to Speech, Interpersonal Communication, and Business and Professional Communication. These courses will complement and enhance the specific business oriented skills offered by the courses from the Business Administration Department. These include: Marketing, Fundamentals of Management, and Advertising. Expository writing offered by the English Department builds upon the basic writing skills learned in the introductory college level English course.

Required Courses:			Hours
BUS	220	Fundamentals of Management	3
BUS	250	Principles of Marketing	3
BUS	330	Advertising	3
ENG	270	Expository Writing	3
SPE	101	Introduction to Speech Communication	3
SPE	203	Interpersonal Communication	3
SPE	310	Business and Professional Communication	3
			Total: 21 hours

## 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
INS	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	

## 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

## Computer Programming

The Computer Programming self-designed minor is offered fully through the Computer Science department of Westminster College. The coursework associated with this minor helps give students a functional understanding of the concepts and methods associated with computer programming. The course work itself helps directly involve students in programming languages and the systems that surround them.

The minor itself will touch on multiple programming languages as well as offer as students a chance to learn about Object-Oriented, Agile and other programming developing styles. When added in combination with majors such as Information Technology, this minor will functionally prepare a student for software development and other related fields in the real world.

Required Courses:			Hours
CSC 104	Programming Logic and Design		3
CSC 201	Introduction to Digital Systems		3
CSC 205	Visual Basic Programming		3
CSC 350	System Analysis and Design		3
CSC 390	Object Oriented Programming		3
CSC XXX	Computer Science elective		3
			Total: 18 hours

## 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 the 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 perspective and 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

### 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.

## Educational Studies in Human Development

The Educational Studies in Human Development minor will be primarily offered through the Education Department. The minor combines classroom learning, such as Foundations of Education and Teaching Reading in Context Areas, with field learning environments, Practicum I and II, gives a well-rounded composition of courses.

This minor will strengthen an understanding of human development and how this understanding can promote educational studies in many areas. The minor will prepare a student for future job advancing positions in law enforcement, such as a D.A.R.E. officer, or even an instructor's position in the police academy.

Required Courses:			Hours
EDU 231	Education of Exceptional Individuals		3
EDU 233	Adolescent Growth and Behavior		3
EDU 290	Foundations of Education		3
EDU 291	Education Practicum I		2
EDU 292	Teaching Reading in Content Areas		2
EDU 393	Education Practicum II		2
PSY 221	Educational Psychology		3
			Total: 18 hours

### Educational Studies in School Counseling

The Educational Studies in School Counseling minor will be offered primarily through Westminster College departments of Educational Studies and Psychology. Course work is designed to focus on the study of children and their development and the counseling that would greatly benefit them.

The minor develops an appreciation of the role of child development and the roles that primary school plays. The courses Child Growth and Development, Educational Psychology, and Diversity in Education are primary examples of how a child grows up and how the educational system can either help or hinder the child. The Practicum II class will also provide great real world experience for the aspiring school counselor. The introduction to Education, Foundations of Education, and Child Literature classes will provide a well devised background in the education system.

The student also plans a major in psychology. The doubling of the major with the previously stated minor will greatly benefit the student for the pending graduate school coursework and will provide great experience not only in the psychology field but also in the educational studies field.

Required Courses			Hours
EDU 101	Introduction to Education		1
EDU 210	Literature for Children and Youth		3
EDU 230	Child Growth and Development		3
EDU 290	Foundations of Education		3
EDU 385	Diversity in Education		3
EDU 393	Education Practicum II		2
PSY 270	Educational Psychology		3
			Total: 18 hours



## Educational Theory and Curriculum

The Educational Theory and Curriculum minor will be offered primarily through the Westminster College department of Education. Course work is designed to focus on the study of children's development and the education system that affects their development.

The minor develops an appreciation for the education system, the many different aspects that affect children and the role that educators play in the process. The courses offered are the basis for an education major and will give a good view of the purpose of educating. The courses all interact and build on each other to broaden learning.

The student also plans to major in Psychology. These courses complement the minor by exploring human development from a different perspective, while still using similar concepts and terminology. This minor directs the student towards a psychology profession focused on education and child development.

Required courses			Hours
EDU 101	Introduction to Teaching		1
EDU 210	Literature for Children and Youth		3
EDU 221	Education Psychology		3
EDU 230	Child Growth and Development		3
EDU 290	Foundations of Education		3
EDU 291	Education Practicum I		2
Total Hours:			15

## Event Management

The Event Management minor will be offered primarily through Westminster College through the Leadership Studies and Business departments. Classes taken will be based primarily on Business Practices, Marketing, and Management. Leadership classes will also be added to understand theories and practices of profound world leaders and conflicts.

The minor will also be developed across seas at the University of Winchester, England. The Events Management Program at the University is known throughout the country. Classes such as Venue Management, Events in Context, Sports Events, and New Media Marketing through the business department will connect the Events and Management departments together.

Required Courses:		Hours
Westminster Courses:		
LST 131	Event Management	1
LST 205	Mediation and Conflict Resolution	3
LST 201	Leadership Theories and Practice	3
BUS 250	Principles of Marketing	3
BUS 220	Fundamentals of Management	3
BUS 334	Consumer Behavior	3
		16 hours
University of Winchester Courses:		
	Venue Management	3
	Events in Context	3
	Sports Events	3
	New Media Marketing	3
		12 hours
		Total: 28 hours

## 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

## Publishing and Marketing

The Publishing and Marketing minor will be offered through the Westminster departments of English, Business, and Speech. Coursework is designed to study the world of publishing before and after the product has been written and finalized, to know how to market a literary work, and also how to help a writer sell their work to a publisher.

The minor helps in appreciating different kinds of literary works such as magazines, newspapers, and books. People skills are also developed as students must be able to work with authors and publishers alike and potentially simultaneously. Although the minor is focused on literary works, incorporating business and marketing classes include a perspective on the business world outside of books and magazines, such as advertising and how the mind of the consumer works.

This minor helps the students looking for jobs in the publishing world and accompanies the English major very well in not only being able to read and understand the literary works, but to understand the process behind how they are written and sold.

Required Courses:			Hours
BUS	250	Principles of Marketing	3
BUS	334	Consumer Behavior	3
BUS	399	Internship: Book Marketing	1
ENG	200	Janus: World of Publishing	3
ENG	260	Journalism	3
ENG	365	Magazine Writing	3
SPE	203	Interpersonal Communication	3
			Total: 19 hours

## 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

## Sports for Social Justice and Development

Sports for Social Justice and Development would be offered through the Westminster departments of Health and Exercise Science and Business: Sports Management, as well as course work in Sociology, Leadership, and Psychology. The minor is designed to focus on the nature and power of sports to outreach into society and build interpersonal relations and educate and empower children facing adversity.

The concept of the minor Sport for Social Justice and Development builds an appreciation that sports possess unique attributes that enable it to contribute to development and peace processes.

These attributes include: Universal popularity-transcending of national, cultural, socio-economic and political boundaries, when done right, sport is enjoyable for participants and spectators alike and can be invoked in virtually any community in the world: Capacity as a powerful global communication platform. Because sport events offer the capacity to reach vast numbers of people, they are effective platforms for public education and social mobilization: -Ability to connect- sport is an inherently social process bringing together players, teams, coaches, volunteers & spectators:-and Cross-cutting nature-sport can be used to address a broad range of social and economic challenges. Potential to empower, motivate and inspire- sport has the natural ability to draw on, develop, and showcase individual strengths and capacities.

The minor in Social Justice and Development complements the other minor in Social Work by exploring into the outreach of community and public policy. The minor directs the student towards a professional discipline that seeks to improve the quality of life and wellbeing of an individual, group, or community by intervening through research, policy, community organizing, direct practice, and teaching on behalf of those affected with poverty or any real or perceived social injustices and violations of their human rights.

Required Courses:			Hours
SPE 101	OR	Introduction to Speech Communication	
SPE 203		Interpersonal Communication	3
PED 200			1
LST 201		Leadership Theories and Practice	3
PED 206		Growth and Development through Elementary Physical Education	3
PED 231		Sports Psychology	3
PED 220		Social Sciences in Sport	3
ITS 399		Internship	3
Total Hours:			19

## Transnational Studies

Transnational Studies will further a student's nature in the international world and how it relates back to the workings of each nation. The proposed courses for this are: International Politics, International Studies, Cultural Anthropology, Principles of Macroeconomics, International Business, Cross-Cultural Management, and Intermediate French. This minor is intended to complement a degree in International Business, as both fields of study cover international components that will work well together.

The minor aims to shape the student's view on global, political, social, and cultural borders in a more condensed program as opposed to what the Transnational Studies major provided. Since it is a minor, it will let the student work closely in this area of concentration, but at the same time, giving time to a student's major. A minor in Transnational Studies can give the student a solid academic platform to jump off from when considering a future career with diplomatic relations, and prepare the student to work excellently with people from various backgrounds from the knowledge gained through the courses in this minor.

Required Courses:			Hours
TNS	201	Introduction to International Studies	3
SCA	115	Introduction to Cultural Anthropology	3
POL	212	Introduction to International Politics	3
FRE	204	Intermediate French	3
ECN	211	Principles of Macroeconomics	3
BUS	300	Cross-Cultural Management	3
BUS	340	International Business	3
			Total: 21 hours

### Transnational Studies

Since Westminster College does not have a minor in Transnational Studies, I proposed to Dr. Jefferson that I complete a self-designed minor in Transnational Studies. He readily agreed as did Dr. Goodfellow. The minor will help me with my career goals and supplement my major program in political science (which my BA will be in). The courses are all linked to the TNS program and Dr. Jefferson has approved them all as appropriate under the various rubrics in the major, yet done at the minor level with 18 hours of coursework.

Required Courses:			Hours
INT	201	Intro to International Studies	3
POL	212	Introduction to International Politics	3
SCA	115	Introduction to Cultural Anthropology	3
GEO	110	Earth Systems	4
POL	499	Upper Level Elective	3
POL	308	Post-Soviet Politics	3
			Total: 18 hours