



ADVISING WORKSHEET

**BACHELOR OF SCIENCE MAJOR IN BIOLOGY
ENVIRONMENTAL SCIENCES OPTION
General Bulletin 2007-2009**

TRANSFER INSTITUTION(S):

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Name _____

Student ID # _____

ACADEMIC FOUNDATIONS REQUIREMENTS – SEE PAGE 4 FOR SPECIFIC COURSES

Academic Foundation Category	Course #	Credits	Grade	Semester	Equivalent
Category I: Global Academic Skills (12 credits) A. Mathematics (3 credits) B. English (6 credits)					
	ENGL 150				
C. Information Literacy (3 credits)					
Category II: Natural Sciences (7 credits) 2 lectures (6 credits) & 1 lab (1 credit) (1 life science & 1 physical science & 1 lab)					
Category III: Social Sciences (6 credits) Courses must be from separate prefixes					
Category IV: History & Cultural Diversity (6 credits) A. History (3 credits) B. Cultural Diversity (3 credits)					
Category V: Arts & Humanities (6 credits) A. Arts (3 credits) B. Humanities (3 credits)					

A minimum grade of "C-" required in all Academic Foundations courses. *Note: Certain degrees may require a minimum grade of "C" in Academic Foundations courses.*

Reviewed:

ACADEMIC FOUNDATIONS REQUIREMENTS

CATEGORY I: GLOBAL ACADEMIC SKILLS

Subcategory A - Mathematics 1 course required

MATH	106	College Algebra	3
MATH	107	Precalculus	5
MATH	112	Calculus I	4
MATH	121	Finite Mathematics	4
MATH	122	College Mathematics for Technology	3
MATH	141	Contemporary Mathematics	3
MATH	202	Fundamentals of Mathematics II	3
STAT	141	Introduction to Statistics	3
STAT	241	Statistical Methods	4

Subcategory B - English 2 courses required

<i>ENGL</i>	<i>150</i>	<i>College Composition</i>	<i>3</i>
ENGL	201	Business Communications	3
ENGL	226	Research Writing	3
ENGL	140	Business Writing	3
ENGL	145	Technical Communication	3

Subcategory C - Information Literacy 1 course required

COMT	130	Introduction to Public Speaking	3
LS	125	Research in the Information Age	3
MIS	150	Information Access and Organization	3

CATEGORY II: NATURAL SCIENCES 6 CREDITS/1 CREDIT LAB

Students are required to take one course from each subcategory and at least one corresponding lab or SCIN 101, 102, 103 & 104

Subcategory A – Life Sciences

BIOL	101	Survey of Biology	3
BIOL	115	Survey of Biology Lab	1
BIOL	178	Principles of Biology	3
BIOL	188	Principles of Biology Lab	1

Subcategory B – Physical Sciences

CHEM	104	Fund of General Chemistry	3
CHEM	105	Fund of General Chem Lab	1
CHEM	115	General Chemistry I	3
CHEM	118	General Chemistry I Lab	1
EASC	100	Lithosphere and Hydrosphere	3
EASC	101	Lithosphere and Hydrosphere Lab	1
GEOG	100	Physical Geography Lab	1
GEOG	101	Physical Geography	3
PHYS	101	Earth, Air, Fire and Water	3
PHYS	102	Earth, Air, Fire and Water Lab	1
PHYS	110	College Physics I	3
PHYS	111	College Physics I Lab	1
PHYS	201	Introduction to Astronomy	3
PHYS	203	Introduction to Astronomy Lab	1
PSSC	101	Physical World Around Us	3
PSSC	102	Physical World Around Us Lab	1

Subcategories A and B – Integrated Sciences

SCIN	101, 102, 103 & 104	Integrated Sciences	3, ½, 3, ½
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CATEGORY III: SOCIAL SCIENCE 2 COURSES

Two courses from separate prefixes

BUS	101	Introduction to Business	3
COMT	109	Human Relations	3
COMT	110	Interpersonal Communication	3
ECON	200	Principles of Microeconomics	3
ECON	201	Principles of Macroeconomics	3
EDF	100	Education and Democracy	3
GEOG	102	World Geography	3
HHP	101	Health Sciences	3
POLS	101/200	Intro to Gov't/Intro to Comparative Gov't	3
POLS	212	United States Government	3
PSYC	101	General Psychology	3
PSYC	271	Human Relations	3
SOCL	101	Introduction to Sociology	3
SOCL	212	Physical Anthropology & Archeology	3
SOCL	221	Social Problems	3

CATEGORY IV: HISTORY AND CULTURAL DIVERSITY

Subcategory A - History 1 course

HIST	104	The West and the World to 1648	3
HIST	105	The West and the World since 1648	3
HIST	106	Honors: History of Western Civ to 1500	3
HIST	107	Honors: History of Western Civ since 1500	3
HIST	204	United States History to 1877	3
HIST	205	United States History Since 1877	3
POLS	221	International Relations	3

Subcategory B - Cultural Diversity 1 course

ART	131	Global Visual Culture	3
COMT	160	Introduction to Intercultural Communication	3
ENGL	260	World Foundations of Literature	3
GEOG	120	Environment and Culture	3
HHP	270	Global Health Issues	3
NAMS	181	Introduction to Native American Studies	3
NAMS	211	Social Issues of the Native American	3
PHIL	105	The Religious Quest	3
REHA	201	Introduction to Diversity	3
SOCL	211	Cultural Anthropology	3
A&SC/SOCL	250	Women, Culture and Society	3
SPAN	150	The Hispanic Tradition	3

CATEGORY V: ARTS AND HUMANITIES

Subcategory A - Arts 1 course

ART	110	Art Studio Essentials for the Non-Art Major	3
ART	142	Introduction to Pottery	3
ART	161	Introduction to Drawing	3
COMT	150	Introduction to Theatre and Performance	3
COMT	155	Global Cinema	3
COMT	250	Introduction to Acting	3
ENGL	204	Fundamentals of Creative Writing	3
ENGL	280	Fiction into Film	3
MUSC	100	Music Appreciation	3
MUSC	150	Musics of the World	3
DSGN	248	Computer Presentation and Animation	3

Subcategory B - Humanities 3 credits

ART	132	Art History Survey	3
ENGL	160	Reading and Responding to Literature	3
ENGL/PHIL	240	The Bible as Literature	3
HON	181	The Ancient and Medieval Worlds	3
HON	182	The Renaissance and Modern Worlds	3
HON	281	Humanistic Thought of the U.S. to 1877	3
HON	282	Humanistic Thought of the U.S. since 1877	3
PHIL	115	Ethics	3
PHIL	117	Philosophies of Life	3

		Course	Credits	Grade	Semester	Equivalent
Biology Requirements						
*BIOL	178	Principles of Biology	3			
*BIOL	188	Principles of Biology Lab	1			
BIOL	179	Biodiversity	3			
BIOL	189	Biodiversity Lab	1			
BIOL	263	Introduction to Cell Biology	3			
BIOL	273	Introduction to Cell Biology Lab	1			
BIOL	315	Plant Systematics	2			
BIOL	325	Plant Systematics Lab	2			
BIOL	340	General Microbiology	3			
BIOL	350	General Microbiology Lab	1			
BIOL	353	Genetics	3			
BIOL	354	Genetics Lab	1			
BIOL	355	Ecology and Evolution	3			
BIOL	356	Ecology and Evolution Lab	1			
BIOL	456	Advanced Evolution and Ecology	3			
BIOL	457	Advanced Evolution and Ecology Lab	1			
BIOL	495/490	Biological Research/Internship	2			
BIOL	498	Capstone Seminar	1			

Chemistry Requirements

*CHEM	115	General Chemistry I	3			
*CHEM	118	General Chemistry I Lab	1			
CHEM	116	General Chemistry II	3			
CHEM	119	General Chemistry II Lab	1			
CHEM	220	Principles of Organic Chemistry	3			
CHEM	221	Principles of Organic Chemistry Lab	1			
CHEM	320	Quantitative Chemical Analysis	3			
CHEM	325	Quantitative Chemical Analysis Lab	1			
CHEM/ BIOL	361	Biochemistry	3			
CHEM/ BIOL	371	Biochemistry Lab	1			

Mathematics or Statistics Requirement (choose two of the following; one from each rubric)

*MATH	112	Calculus I	4			
MATH	113	Calculus II	4			
*STAT	241	Statistical Methods	4			
STAT	242	Statistical Methods II	4			

Physics Requirement (choose one Physics course with lab)

*PHYS	110/111	College Physics I/Lab	4			
PHYS	210/211	University Physics I/Lab	4			

Earth Science and Geography Requirements

*EASC	100	Lithosphere and Hydrosphere	3			
*EASC	101	Lithosphere and Hydrosphere Lab	1			
EASC	200	Mineralogy	3			
EASC	300	Structures and Plate Tectonics	3			
EASC	320	Sedimentation and Stratigraphy	3			
EASC	400	Geomorphology and Quaternary Geology	3			
GEOG	201	Mapping Techniques	3			

*May satisfy Academic Foundations requirements.

Electives - Recommended courses:

EVST	360	Environmental Impact and Policy Analysis	3			
PHIL	311	Environmental Ethics	3			
BIOL	363	Molecular Biology	3			
BIOL	373	Molecular Biology Lab	1			
BIOL	424	Animal Physiology	3			
BIOL	465	Plant Physiology	3			
BIOL	475	Plant Physiology Lab	1			

BACHELOR OF SCIENCE DEGREE IN BIOLOGY – ENVIRONMENTAL SCIENCES OPTION

Categories	Credits	Earned
Academic Foundations	37	_____
Biology Major	**76	_____
Electives (variable)	V	_____
Total	120	_____

****10 credits that also satisfy Academic Foundations requirements are not included in the total credits for the major.**

**It is the student’s responsibility to know and meet the requirements for graduation.
A minimum of 36 credits must be upper division classes (300 and above).**

Notes: