



ADVISING WORKSHEET

TRANSFER INSTITUTION(S):

BACHELOR OF SCIENCE MAJOR IN BIOLOGY General Bulletin 2007-2009

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ACADEMIC FOUNDATIONS REQUIREMENTS – SEE PAGE 4 FOR SPECIFIC COURSES

Academic Foundations 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				12 credits
Subcategory A - Mathematics				3 credits
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				6 credits
<i>ENGL</i>	<i>150</i>	<i>College Composition</i>		3
ENGL	201	Business Communications		3
ENGL	226	Research Writing		3
ENGL	140	Business Writing		3
ENGL	145	Technical Communication		3
Subcategory C - Information Literacy				3 credits
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 cr. lecture & 1 cr. lab
<i>Students are required to take one course from each subcategory and at least one corresponding lab <u>or</u> SCIN 101, 102, 103 & 104</i>				
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

CATEGORY III: SOCIAL SCIENCES				6 credits
<i>Two courses from separate prefixes</i>				
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 & CULTURAL DIVERSITY				6 credits
Subcategory A - History				3 credits
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				3 credits
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 & HUMANITIES				6 credits
Subcategory A - Arts				3 credits
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	353	Genetics	3			
BIOL	354	Genetics Lab	1			
BIOL	355	Ecology and Evolution	3			
BIOL	356	Ecology and Evolution Lab	1			
BIOL/ CHEM	361	Biochemistry	3			
BIOL/ CHEM	371	Biochemistry Lab	1			
BIOL	363	Molecular Biology	3			
BIOL	373	Molecular Biology Lab	1			
BIOL	495	Biological Research	2			
BIOL	498	Capstone Seminar	1			

Unrestricted Biology electives (11 credits – at least 7 credits should be in upper division courses)

**BIOL 101/115 does not qualify in this category.*

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	330	Organic Chemistry I	3			
CHEM	331	Organic Chemistry I Lab	1			
CHEM	334	Organic Chemistry II	3			
CHEM	335	Organic Chemistry II Lab	1			

Mathematics or Statistics Requirement (choose two of the following)

*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 sequence)

*PHYS	110/111	College Physics I/Lab	4			
PHYS	120/121	College Physics II/Lab	4			
PHYS	210/211	University Physics I/Lab	4			
PHYS	220/221	University Physics II/Lab	4			

*May satisfy Academic Foundations requirements.

Recommended Electives

CHEM	320	Quantitative Chemical Analysis	3			
CHEM	325	Quantitative Chemical Analysis Lab	1			

Electives

BACHELOR OF SCIENCE DEGREE IN BIOLOGY

Categories	Credits	Earned
Academic Foundations	37	_____
Biology Major	**64	_____
Electives (variable)	V	_____
Total	120	_____

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

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: