



**ADVISING WORKSHEET**  
**BACHELOR OF SCIENCE IN MATHEMATICS**  
**TEACHING CERTIFICATE OPTION**  
**SINGLE SUBJECT ENDORSEMENT**  
**General Bulletin 2007-2009**

TRANSFER INSTITUTION(S):  
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Name \_\_\_\_\_

Student ID # \_\_\_\_\_

**ACADEMIC FOUNDATIONS REQUIREMENTS – SEE BACK PAGE FOR SPECIFIC COURSES**

Academic Foundations Category	Course #	Credits	Grade	Semester	Equivalent
<b>Category I: Global Academic Skills</b> (12 credits) A. Mathematics (3 credits) <i>MATH 112 – Major Requirement</i> B. English (6 credits)					
	ENGL 150				
C. Information Literacy (3 credits)					
<b>Category II: Natural Sciences</b> (7 credits) 2 lectures (6 credits) & 1 lab (1 credit) (1 life science & 1 physical science & 1 lab)					
<b>Category III: Social Sciences</b> (6 credits) Courses must be from separate prefixes  <i>EDF 100 – Education Core Requirement</i>	EDF 100				
<b>Category IV: History &amp; Cultural Diversity</b> (6 credits) A. History (3 credits)  B. Cultural Diversity (3 credits)	HIST 204 or 205				
	NAMS 181 or 211				
<b>Category V: Arts &amp; Humanities</b> (6 credits) A. Arts (3 credits)  B. Humanities (3 credits)					

A minimum grade of "C" required in all Academic Foundations courses.

**Students should consult with their advisors to determine if specific courses are necessary in order to satisfy the Academic Foundations requirements within this program.**

Certain courses in this program have prerequisites; students should check the course descriptions for required prerequisites.

**Reviewed:**  
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## ACADEMIC FOUNDATIONS REQUIREMENTS

<b>CATEGORY I: GLOBAL ACADEMIC SKILLS</b>			<b>12 credits</b>
<b>Subcategory A - Mathematics</b>			<b>3 credits</b>
MATH	106	College Algebra	3
MATH	107	Precalculus	5
<b>MATH</b>	<b>112</b>	<b>Calculus I</b>	<b>4</b>
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

<b>Subcategory B - English</b>			<b>6 credits</b>
<b>ENGL</b>	<b>150</b>	<b>College Composition</b>	<b>3</b>
ENGL	201	Business Communication	3
ENGL	226	Research Writing	3
ENGL	140	Business Writing	3
ENGL	145	Technical Communication	3

<b>Subcategory C - Information Literacy</b>			<b>3 credits</b>
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**  
*Students are required to take one course from each subcategory and at least one corresponding lab or SCIN 101, 102, 103 & 104*

<b>Subcategory A – Life Sciences</b>			
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

<b>Subcategory B – Physical Sciences</b>			
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

<b>CATEGORY III: SOCIAL SCIENCES</b>			<b>6 credits</b>
<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
<b>EDF</b>	<b>100</b>	<b>Education and Democracy</b>	<b>3</b>
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

<b>CATEGORY IV: HISTORY &amp; CULTURAL DIVERSITY</b>			<b>6 credits</b>
<b>Subcategory A - History</b>			<b>3 credits</b>
<b>HIST</b>	<b>204</b>	<b>United States History to 1877</b>	<b>3</b>
<b>OR</b>			
<b>HIST</b>	<b>205</b>	<b>United States History Since 1877</b>	<b>3</b>
<b>Subcategory B - Cultural Diversity</b>			<b>3 credits</b>
<b>NAMS</b>	<b>181</b>	<b>Introduction to Native American Studies</b>	<b>3</b>
<b>OR</b>			
<b>NAMS</b>	<b>211</b>	<b>Social Issues of the Native American</b>	<b>3</b>

<b>CATEGORY V: ARTS &amp; HUMANITIES</b>			<b>6 credits</b>
<b>Subcategory A - Arts</b>			<b>3 credits</b>
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

<b>Subcategory B - Humanities</b>			<b>3 credits</b>
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



