



MONTANA STATE UNIVERSITY-BILLINGS

FIRE SCIENCE  
ASSOCIATE OF SCIENCE

ADVISING WORKSHEET GENERAL BULLETIN 2007-2008

College of Technology  
Advising Center  
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Name \_\_\_\_\_

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

ACADEMIC FOUNDATIONS REQUIREMENTS

Academic Foundations Category	Course #	Credits	Grade	Semester	Equivalent
<b>Category I: Global Academic Skills</b> A. Mathematics (1 course)  B. English (2 courses)					
	ENGL 150				
C. Information Literacy (1 course)					
<b>Category II: Natural Sciences</b> (2 courses/1 lab) (1 life science/1 physical science/1 lab)					
<b>Category III: Social Sciences</b> (2 courses) Courses must be from separate prefixes					
<b>Category IV: History and Cultural Diversity</b> A. History (1 course)  B. Cultural Diversity (1 course)					
<b>Category V: Arts and Humanities</b> A. Arts (1 course)  B. Humanities (1 course)					

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:

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<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
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
<b>Subcategory B - English</b>			<b>6 credits</b>
ENGL	150	<i>College Composition</i>	3
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

<b>CATEGORY II: NATURAL SCIENCES</b>			<b>6 cr. lecture &amp; 1 cr. lab</b>
<i>Students are required to take one course from each subcategory and at least one corresponding lab or SCIN 101, 102, 103 &amp; 104</i>			
<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
<b>Subcategories A and B – Integrated Sciences</b>			
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
EDF	100	Education and Democracy	3
GEOG	102	World Geography	3
HHP	101	Health Sciences	3
POLS	101	Introduction to Government	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>
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
<b>Subcategory B - Cultural Diversity</b>			<b>3 credits</b>
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

<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

Course	Credits	Grade	Semester	Equivalent
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**Preparatory Courses**


**Required Courses**

CMP	105	Introduction to Computers and Applications	3			
FIRE	110	Firefighter Health and Safety	3			
FIRE	115	Fire Fighter I Essentials	3			
FIRE	180	Incident Command	3			
FIRE	214	Inspection Codes and Practice	3			
FIRE	255	Cause and Origin	2			
FIRE	275	Fire Service Public Safety Education and Course Development	3			
TRID	160	Hazardous Materials Technician General Training	3			

**\*Optional Courses**

FIRE	101	Fire Service Orientation	1			
FIRE	172	Wildlands Standards for Survival	1			
FIRE	292	Field Clinical	1			

**Electives**


*A grade of "C" or higher is mandatory in all required courses.*

***Suggested Plan of Study***

<b>First Semester</b>	<b>Credits</b>	<b>Second Semester</b>	<b>Credits</b>
CMP 105	3	FIRE 275	3
*FIRE 101	1	*FIRE 172	1
FIRE 110	3	Academic Foundations	10
FIRE 115	3	<b>TOTAL</b>	<b>13-14</b>
Academic Foundations	6		
<b>TOTAL</b>	<b>15-16</b>		

<b>Third Semester</b>	<b>Credits</b>	<b>Fourth Semester</b>	<b>Credits</b>
FIRE 180	3	*FIRE 240	1
FIRE 255	2	TRID 160	3
FIRE 214	3	Academic Foundations	12
Academic Foundations	9	<b>TOTAL</b>	<b>15-16</b>
<b>TOTAL</b>	<b>17</b>		

<b>Categories</b>	<b>Credits</b>	<b>Earned</b>
Academic Foundations	37	_____
Transfer Credits (if applicable)		_____
Prior Learning Credits (if applicable)		_____
Required Courses	23	_____
<b>Total</b>	<b>60</b>	_____

**General Information:**

**Students pursuing an Associate of Science in Fire Science will refer to the general catalog for academic policies.**

**Transfer credits from other institutions** – Students who wish to graduate with an Associate of Science in Fire Science must earn a minimum of 20 credits at MSU-Billings with a GPA of 2.00 or higher. Refer to the general catalog for details.

**Prior Learning Assessment** – Students may have already earned credit through work-site training or government-sponsored workshops or military experience. If you have certificates or documentation, which state that the American Council on Education (ACE) or the National Program on Non-Collegiate Sponsored Instruction (PONSI) assesses that training credit may be available for coursework for which there are equivalencies in MSU-Billings curriculum.

**EMT Certification** – Students who pass the National Registry Emergency Medical Technician training and have a current EMT card may be awarded up to 6 credits of coursework. For students who complete this certification, three credits will be awarded to complete the Life Science category (non-lab) and three credits will be awarded to fulfill part of the Social Science category.

**It is highly recommended that students complete the EMT certification early in their academic career.**

Credits can be posted, if possible, in the flat-spot, to maximize a student’s tuition, and early completion of the course will assist with better academic planning.

