



MONTANA STATE UNIVERSITY BILLINGS

FIRE SCIENCE
ASSOCIATE OF SCIENCE

ADVISING WORKSHEET 2011-2012

College of Technology
Jacket Student Central
Phone 406-247-3019
Fax: 406-247-3095

Name _____

Student ID # _____

GENERAL EDUCATION REQUIREMENTS –SEE PAGE 4 FOR SPECIFIC REQUIREMENTS

General Education Category	Course #	Credits	Grade	Semester	Equivalent
Category I: Global Academic Skills (12 credits) A. Mathematics (3 credits) B. English (6 credits) C. Communication & Information Literacy (3 credits)	M114				
	WRIT 101				
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 and Cultural Diversity (6 credits) A. History (3 credits) B. Cultural Diversity (3 credits)					
Category V: Arts and Humanities (6 credits) A. Arts (3 credits) B. Humanities (3 credits)					

A minimum grade of “C-” required in all General Education courses. *Note: Certain degrees may require a minimum grade of “C” in General Education courses.*

GENERAL EDUCATION REQUIREMENTS

CATEGORY I: GLOBAL ACADEMIC SKILLS 12 credits

Subcategory A - Mathematics 3 credits

M	105	Contemporary Mathematics	3
M	114	Extended Technical Mathematics	3
M	121	College Algebra	3
M	131	Mathematics for Elementary Teachers II	3
M	143	Finite Mathematics	4
M	151	Precalculus	5
M	171	Calculus I	4
STAT	141	Introduction to Statistical Concepts	3
STAT	216	Introduction to Statistics	4

Subcategory B - English 6 credits

WRIT	101	College Writing I	3
WRIT	201	College Writing II	3
WRIT	220	Business & Professional Writing	3
WRIT	121	Introduction to Technical Writing	3
WRIT	122	Introduction to Business Writing	3

Subcategory C - Communication & 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

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

BIOB	101	Discover Biology	3
BIOB	102	Discover Biology Lab	1
BIOB	160	Principles of Living Systems	3
BIOB	161	Principles of Living Systems Lab	1

Subcategory B - Physical Sciences

ASTR	110	Introduction to Astronomy	3
ASTR	111	Introduction to Astronomy Lab	1
CHMY	121	Introduction to General Chemistry	3
CHMY	122	Introduction to General Chemistry Lab	1
CHMY	141	College Chemistry I	3
CHMY	142	College Chemistry Laboratory I	1
GEO	101	Introduction to Physical Geology	3
GEO	102	Introduction to Physical Geology Laboratory	1
GPHY	112	Introduction to Physical Geography Lab	1
GPHY	111	Introduction to Physical Geography	3
PHSX	103	Our Physical World	3
PHSX	104	Our Physical World Lab	1
PHSX	205	College Physics I	3
PHSX	206	College Physics I Lab	1
PHSX	105	Fundamentals of Phys Sci	3
PHSX	106	Fundamentals of Phys Sci 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 SCIENCES 6 credits

Two courses from separate prefixes

ANTY	217	Physical Anthropology & Archeology	3
BUS	101	Introduction to Business	3
COMT	109	Human Relations	3
COMT	110	Interpersonal Communication	3
ECNS	201	Principles of Microeconomics	3
ECNS	202	Principles of Macroeconomics	3
EDU	105	Education and Democracy	3
GPHY	141	Geography of World Regions	3
HHP	101	Health Sciences	3
PSCI	220	Introduction to Comparative Government	3
PSCI	210	Introduction to American Government	3
PSYX	100	Introduction to Psychology	3
PSYX	231	Human Relations	3
SOCI	101	Introduction to Sociology	3
SOCI	201	Social Problems	3

CATEGORY IV: HISTORY & CULTURAL DIVERSITY 6 credits

Subcategory A - History 3 credits

HSTA	101	American History I	3
HSTA	102	American History II	3
HSTR	101	Western Civilization I	3
HSTR	102	Western Civilization II	3
HSTR	103	Honors Western Civilization I	3
HSTR	104	Honors Western Civilization II	3
PSCI	230	Introduction to International Relations	3

Subcategory B - Cultural Diversity 3 credits

ANTY	220	Cultural and Society	3
ARTH	160	Global Visual Culture	3
COMT	160	Introduction to Intercultural Communication	3
GPHY	121	Human Geography	3
HHP	270	Global Health Issues	3
LIT	230	World Literature Survey	3
MUSI	207	World Music	3
NASX	105	Introduction to Native American Studies	3
NASX	205	Native Americans in Contemporary Society	3
PHL	271	Philosophy & Religion of India	3
PHL	272	Philosophy & Religion of China/Tibet/Japan	3
REHA	201	Introduction to Diversity	3
RLST	170	The Religious Quest	3
A&SC/SOCI	274	Women, Culture, and Society	3
SPNS	150	The Hispanic Tradition	3

CATEGORY V: ARTS & HUMANITIES 6 credits

Subcategory A - Arts 3 credits

ARTZ	101	Art Fundamentals	3
ARTZ	131	Ceramics for Non-majors	3
ARTZ	105	Visual Language-Drawing	3
COMT	155	Global Cinema	3
DSGN	248	Computer Presentation and Animation	3
ENGL	204	Fundamentals of Creative Writing	3
LIT	270	Film & Literature	3
MUSI	101	Enjoyment of Music	3
MUSI	114	Band: MSUB Symphonic	1
MUSI	131	Jazz Ensemble I: MSUB	1
MUSI	147	Choral Ensemble: University Chorus	1
THTR	101	Introduction to Theatre	3
THTR	120	Introduction to Acting I	3

Subcategory B - Humanities 3 credits

ARTH	150	Introduction to Art History	3
HON	181	The Ancient and Medieval Worlds	3
HON	182	The Renaissance and Modern Worlds	3
HON	281	The American Intellectual Heritage (1620-1877)	3
HON	282	The American Intellectual Heritage (1877-Present)	3
LIT	110	Introduction to Literature	3
LIT	240	The Bible as Literature	3
PHL	110	Introduction to Ethics	3
PHL	111	Philosophies of Life	3

Course	Credits	Grade	Semester	Equivalent
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Required Preparatory Courses

Required Courses

FIRE	105	Fire Apparatus Equipment and Hydraulics	3			
FIRE	115	Fire Fighter I Essentials	3			
FIRE	130	Fire Service Management and Law	3			
FIRE	180	Incident Command	3			
FIRE	214	Inspection Codes and Practice	3			
FIRE	255	Cause and Origin	2			
FIRE	275	Fire Service Instructor	3			
TRID	160	Hazardous Materials Technician General Training	3			
TOTAL Required Courses			23			

***Optional Courses**

FIRE	172	Wildlands Standards for Survival	3			
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Electives

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

Suggested Plan of Study

First Semester	Credits	Second Semester	Credits
FIRE 115	3	FIRE 275	3
FIRE 130	3	*FIRE 172	3
General Education	9	General Education	10
TOTAL	15	TOTAL	16

Third Semester	Credits	Fourth Semester	Credits
FIRE 105	3	FIRE 180	3
FIRE 214	3	TRID 160	3
FIRE 255	2	General Education	9
General Education	9	TOTAL	15
TOTAL	17		

*optional

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

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. 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.

Transcript evaluation (if applicable completed) by: _____ **on** ___/___/_____



MSUBILLINGS

College of Technology

2011-2012 Fire Science AS Plan of Study

for _____

Date: _____

FIRE SCIENCE

Semester (_____)

Semester (_____)

Course	Credits	Course	Credits

Semester (_____)

Semester (_____)

Course	Credits	Course	Credits
FIRE 115	3	FIRE 275	3
FIRE 130	3	FIRE 172 (optional)	3
Gen Ed:	3	Gen Ed:	3
Gen Ed:	3	Gen Ed:	3
Gen Ed:	3	Gen Ed:	3
		Gen Ed:	1
Total		Total	

Semester (_____)

Semester (_____)

Course	Credits	Course	Credits
FIRE 105	3	FIRE 180	3
FIRE 214	3	TRID 160	3
FIRE 255	2	Gen Ed:	3
Gen Ed:	3	Gen Ed:	3
Gen Ed:	3	Gen Ed:	3
Gen Ed:	3		
Total		Total	

NOTES: