



**FIRE SCIENCE  
ASSOCIATE OF SCIENCE**

TRANSFER INSTITUTION(S):

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**ADVISING WORKSHEET 2018-2019**

*Jacket Student Central*  
*Phone 406-247-3019*  
*Fax: 406-247-3095*

Name \_\_\_\_\_

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

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**GENERAL EDUCATION REQUIREMENTS –SEE NEXT PAGE FOR SPECIFIC REQUIREMENTS**

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General Education Category	Course #	Credits	Grade	Semester	Equivalent
<b>Category I: Global Academic Skills</b> (9 credits) A. Mathematics (3 credits)  B. English (3 credits)  C. Communication & Information Literacy (3 credits)					
	WRIT 101				
<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 and History</b> (6 credits) A. Social Science (3 credits)  B. History (3 credits)					
<b>Category IV: Cultural Diversity</b> (3 credits)					
<b>Category V: Arts &amp; Humanities</b> (6 credits) A. Fine 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.*

**Required Preparatory Courses**


# GENERAL EDUCATION REQUIREMENTS

CATEGORY I: GLOBAL ACADEMIC SKILLS			9 credits
<i>Students are required to take one course from each subcategory</i>			
Subcategory A - Mathematics			3 credits
+M	105	Contemporary Mathematics	3
+M	114	Extended Technical Mathematics	3
+M	121	College Algebra	3
M	122	College Trigonometry	3
M	130	Math for Elementary Teachers I	3
+M	140	College Math for Healthcare	3
+M	143	Finite Mathematics	4
M	161	Survey of Calculus	3
M	171	Calculus I	4
STAT	141	Introduction to Statistical Concepts	3
STAT	216	Introduction to Statistics	4
Subcategory B - English			3 credits
+WRIT	101	College Writing I	3
+WRIT	121	Introduction to Technical Writing	3
+WRIT	122	Introduction to Business Writing	3
WRIT	201	College Writing II	3
WRIT	220	Business & Professional Writing	3
WRIT	221	Intermediate Technical Writing	3
Subcategory C - Communication & Information Literacy			3 credits
BMIS	150	Computer Literacy	3
+COMX	111	Introduction to Public Speaking	3
COMX	115	Introduction to Interpersonal Communication	3
LSCI	125	Research in the Information Age	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 or Integrated Sciences</i>			
Subcategory A – Life Sciences			3-4 credits
BIOB	101	Discover Biology	3
BIOB	102	Discover Biology Lab	1
BIOB	121	Fundamentals of Biology for Allied Health	3
BIOB	122	Fund of Biology: Evolution, Ecology, & Biodiversity	3
BIOB	123	Fund of Biology: The Nature of Nutrition	3
BIOB	160	Principles of Living Systems	3
BIOB	161	Principles of Living Systems Lab	1
Subcategory B – Physical Sciences			3-4 credits
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	111	Introduction to Physical Geography	3
GPHY	112	Introduction to Physical Geography Lab	1
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 Physical Science	3
PHSX	106	Fundamentals of Physical Science Lab	1
Integrated Sciences			
SCIN 101, 102, 103, 104 Integrated Sciences			3, 1, 3, 1
CATEGORY III: SOCIAL SCIENCES AND HISTORY			6 credits
<i>Students are required to take one course from each subcategory</i>			
Subcategory A – Social Sciences			3 credits
ANTY	217	Physical Anthropology & Archeology	3
+BGEN	105	Introduction to Business	3
+COMX	106	Communicating in a Dynamic Workplace	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
HTH	110	Personal Health and Wellness	3
PSCI	210	Introduction to American Government	3

PSCI	220	Introduction to Comparative Government	3
+PSYX	100	Introduction to Psychology	3
PSYX	231	Human Relations	3
+SOCI	101	Introduction to Sociology	3
SOCI	201	Social Problems	
Subcategory B - 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

CATEGORY IV: CULTURAL DIVERSITY			3 credits
A&SC/WGSS	274	Women, Culture, and Society	3
ANTY	220	Culture and Society	3
ARTH	160	Global Visual Culture	3
COMX	212	Introduction to Intercultural Communication	3
GPHY	121	Human Geography	3
HTH	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	Indian Philosophies and Religions	3
PHL	272	Chinese Philosophies and Religions	3
REHA	201	Introduction to Diversity in Counseling	3
RLST	170	The Religious Quest	3
SPNS	150	The Hispanic Tradition	3

CATEGORY V: ARTS & HUMANITIES			6 credits
<i>Students are required to take one course from each subcategory</i>			
Subcategory A – Fine Arts			3 credits
ARTZ	101	Art Fundamentals	3
ARTZ	105	Visual Language-Drawing	3
ARTZ	131	Ceramics for Non-majors	3
CRWR	240	Intro Creative Writing Workshop	3
FILM	160	Introduction to World Cinema	3
LIT	270	Film & Literature	3
MART	260	Computer Presentation and Animation	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
PHOT	154	Exploring Digital Photography	3
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
HONR	111	Perspectives and Understanding	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
PHL	254	People and Politics	3
<b>Total</b>			<b>31</b>

+Denotes a course offered at the City College campus. These courses may not be available every semester.

Course			Credits	Grade	Semester	Equivalent
<b>Required Courses</b>						
FIRE	105	Fire Apparatus Equipment and Hydraulics	3			
FIRE	115	Firefighter I Foundations	3			
FIRE	130	Firefighter Leadership and Influence	3			
FIRE	172	Wildlands Standards for Survival	3			
FIRE	180	Incident Command	3			
FIRE	201	Firefighter Resilience	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			

*A grade of "C" (2.0) or higher is mandatory in all Required Courses*

***Suggested Plan of Study***

First Semester	Credits	Second Semester	Credits
FIRE 115	3	FIRE 172	3
FIRE 130	3	FIRE 275	3
General Education	9	General Education	7
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>13</b>

Third Semester	Credits	Fourth Semester	Credits
FIRE 201	3	FIRE 105	3
FIRE 214	3	FIRE 180	3
FIRE 255	2	TRID 160	3
General Education	9	General Education	6
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>15</b>

Categories	Credits	Earned	Remaining
General Education	31	_____	_____
Required Courses	29	_____	_____
<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, 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 have a current National Registry EMT card, may be awarded up to 6 credits of coursework. For students who submit their National Registry EMT card, three credits will be awarded to complete the Life Science category (non-lab) and three credits will be awarded to fulfill the Social Science category.

**It is highly recommended that students complete the EMT training and certification early in their academic career.** Credits can be awarded, if possible, in the tuition flat-spot, to maximize a student's tuition. Early completion of the certification can assist with better academic planning.

## **Developing a Plan of Study**

To facilitate course planning and scheduling, students should be aware that not all courses are offered every semester. Some courses require pre-requisites and preparatory courses to be successfully completed or co-requisites be taken simultaneously.

## **Program Specific Information**

Students should know the following information:

- 1.) This program can be started in either the fall or spring semesters.
- 2.) Students are encouraged to earn their National Registry EMT certification. It is not required for the program, but strongly encouraged for job placement and an option to get college credits for this training.
  - a. It is highly recommended that if you choose this option, to complete the training and exam in the first year of school.
  - b. A student that has a current NREMT Basic card, can submit a copy of the card to Jacket Student Central for college credits.
    - i. A student may earn 6 credits: 3 credits toward the Life Science (non-lab) category and 3 credits toward the Social Science category.
- 3.) TRID 160 should be completed in a student's LAST Spring semester so that a student will have a current hazardous material certification when they graduate.
- 4.) Students may wish to continue on to a bachelor's degree. General Education courses can be carefully chosen with an advisor in order to ensure a more seamless transition. Students can consider transitioning to the B.S. Outdoor Adventure Leadership degree through MSUB after completion of this AS degree.



## 2018-2019 AS Fire Science Plan of Study

Name \_\_\_\_\_

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

Semester \_\_\_\_\_

Semester \_\_\_\_\_

Course	Credits	Course	Credits

Semester \_\_\_\_\_

Semester \_\_\_\_\_

Course	Credits	Course	Credits
FIRE 115	3	FIRE 172	3
FIRE 130	3	FIRE 275	3
Gen Ed: M114	3	Gen Ed:	3
Gen Ed: WRIT101	3	Gen Ed:	3
Gen Ed:	3	Gen Ed:	1
<b>Total</b>		<b>Total</b>	

Semester \_\_\_\_\_

Semester \_\_\_\_\_

Course	Credits	Course	Credits
FIRE 201	3	FIRE 105	3
FIRE 214	3	FIRE 180	3
FIRE 255	2	TRID 160	3
Gen Ed:	3	Gen Ed:	3
Gen Ed:	3	Gen Ed:	3
Gen Ed:	3		
<b>Total</b>		<b>Total</b>	

Number of earned credits that apply toward degree: \_\_\_\_\_

Number of credits left to earn for degree: \_\_\_\_\_

**CERTIFICATION:** The courses listed are **required** for the student's degree.

Advisor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student's Signature: \_\_\_\_\_ Date: \_\_\_\_\_