FIRE SCIENCE
ASSOCIATE OF SCIENCE

ADVISING WORKSHEET 2020-2021

Jacket Student Central
Phone 406-247-3019
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*Name*_____

*Student ID*_____

GENERAL EDUCATION REQUIREMENTS –SEE NEXT PAGE FOR SPECIFIC REQUIREMENTS

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

Students are required to take one course from each subcategory

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	Cyber Security & Electronic Communication	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

Students are required to take one course from each subcategory and at least one corresponding lab or Integrated Sciences

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	262	Spatial Sciences Technology & Applications	3
GPHY	263	Spatial Sciences and Technology Laboratory	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

Integrated Sciences

SCIN 101, 102, 103, 104	Integrated Sciences	3, 1, 3, 1

CATEGORY III: SOCIAL SCIENCES AND HISTORY   6 credits

Students are required to take one course from each subcategory

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
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
+SOCI	101	Introduction to Sociology	3
SOCI	201	Social Problems	3

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*

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
WGSS	274	Women, Culture and Society	3

CATEGORY V: ARTS & HUMANITIES   **6 credits**

Students are required to take one course from each subcategory

Subcategory A – Fine Arts   **3 credits**

ARTZ	101	Art Fundamentals (dual enrollment only)	3
ARTZ	105	Visual Language-Drawing	3
ARTZ	106	Visual Language -2D Foundations	3
ARTZ	108	Visual Language – 3D Foundations	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	213	Montana Literature	3
+PHL	110	Introduction to Ethics	3
PHL	111	Philosophies of Life	3
PHL	254	People and Politics	3
Total			**31**

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

Course				Credits	Grade	Semester	Equivalent

Required Courses

	Course			Credits	Grade	Semester	Equivalent
FIRE	106	Wildland Firefighting		3			
FIRE	115	Firefighter I Foundations		3			
FIRE	119	Fire Service Ethics		2			
FIRE	130	Firefighter Leadership and Influence		3			
FIRE	131	Fire Apparatus and Hydraulics		3			
FIRE	180	Incident Command		3			
FIRE	201	Firefighter Resilience		3			
FIRE	270	Fire Prevention		3			
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 106	3
FIRE 130	3		FIRE 119	2
General Education	9		FIRE 275	3
TOTAL	**15**		General Studies	7
			TOTAL	**15**

Third Semester	Credits		Fourth Semester	Credits
FIRE 131	3		FIRE 180	3
FIRE 270	3		FIRE 201	3
General Education	9		TRID 160	3
TOTAL	**15**		General Education	6
			TOTAL	**15**

Categories	Credits	Earned	Remaining
General Education	31	_____	_____
Required Courses	29	_____	_____
Total	**60**	_____	_____

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

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 certification 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.

> Students are encouraged to earn their National Registry EMT certification. It is not required for the Fire Science program, but strongly encouraged for job placement and an option to get college credits for this training. Early completion of the certification can assist with better academic planning and not delay graduation.

> The current National Registry EMT certification card is to be submitted to Jacket Student Central in the City College Tech Building or ccadvising@msubillings.edu for college credits to be awarded and applied towards graduation.

FIRE Courses – can be started in either the fall or spring semester.

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.

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 after completion of this AS degree.

2020-2021 AS Fire Science Plan of Study

CITY COLLEGE montana state university billings

Name_____

Student ID_____

Semester _____

Course	Credits

Semester _____

Course	Credits

Semester _____

Course	Credits
FIRE 115	3
FIRE 130	3
Gen Ed: M	3
Gen Ed: WRIT101	3
Gen Ed:	3
Total	

Semester _____

Course	Credits
FIRE 106	3
FIRE 119	2
FIRE 275	3
Gen Ed:	3
Gen Ed:	3
Gen Ed:	1
Total	

Semester _____

Course	Credits
FIRE 131	3
FIRE 270	3
Gen Ed:	3
Gen Ed:	3
Gen Ed:	3
Total	

Semester _____

Course	Credits
FIRE 180	3
FIRE 201	3
TRID 160	3
Gen Ed:	3
Gen Ed:	3
Total	

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: _____

Updated 4/24/2020