### General Education Requirements — See next page for specific requirements

<table>
<thead>
<tr>
<th>General Education Category</th>
<th>Course #</th>
<th>Credits</th>
<th>Grade</th>
<th>Semester</th>
<th>Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Category I: Global Academic Skills</strong> (9 credits)</td>
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<tr>
<td>A. Mathematics (3 credits)</td>
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<tr>
<td>B. English (3 credits)</td>
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<tr>
<td>C. Communication &amp; Information Literacy (3 credits)</td>
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<td>WRIT 101</td>
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<tr>
<td><strong>Category II: Natural Sciences</strong> (7 credits)</td>
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<tr>
<td>2 lectures (6 credits) &amp; 1 lab (1 credit)</td>
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<td>(1 life science &amp; 1 physical science &amp; 1 lab)</td>
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<tr>
<td><strong>Category III: Social Sciences and History</strong> (6 credits)</td>
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<tr>
<td>A. Social Science (3 credits)</td>
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<tr>
<td>B. History (3 credits)</td>
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<tr>
<td><strong>Category IV: Cultural Diversity</strong> (3 credits)</td>
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<tr>
<td><strong>Category V: Arts &amp; Humanities</strong> (6 credits)</td>
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<tr>
<td>A. Fine Arts (3 credits)</td>
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<tr>
<td>B. Humanities (3 credits)</td>
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</table>

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

|                                |          |         |       |          |            |
|                                |          |         |       |          |            |
|                                |          |         |       |          |            |

Updated 5/3/2019
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
+M 114 Extended Technical Mathematics
+M 121 College Algebra
M 122 College Trigonometry
M 130 Math for Elementary Teachers I
+M 140 College Math for Healthcare
+M 143 Finite Mathematics
M 161 Survey of Calculus
M 171 Calculus I

Subcategory B - English 3 credits
+WRIT 101 College Writing I
+WRIT 121 Introduction to Technical Writing
+WRIT 122 Introduction to Business Writing
WRIT 201 College Writing II
WRIT 220 Business & Professional Writing
WRIT 221 Intermediate Technical Writing

Subcategory C - Communication & Information Literacy 3 credits
BMIS 150 Computer Literacy
+COMX 111 Introduction to Public Speaking
COMX 115 Introduction to Interpersonal Communication
LSCI 125 Research in the Information Age

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
BIOB 102 Discover Biology Lab
BIOB 121 Fundamentals of Biology for Allied Health
BIOB 122 Fund of Biology: Evolution, Ecology, & Biodiversity
BIOB 123 Fund of Biology: The Nature of Nutrition
BIOB 160 Principles of Living Systems
BIOB 161 Principles of Living Systems Lab

Subcategory B – Physical Sciences 3-4 credits
ASTR 110 Introduction to Astronomy
ASTR 111 Introduction to Astronomy Lab
+CHMY 121 Introduction to General Chemistry
+CHMY 122 Introduction to General Chemistry Lab
CHMY 141 College Chemistry I
CHMY 142 College Chemistry Laboratory I
GEO 101 Introduction to Physical Geology
GEO 102 Introduction to Physical Geology Laboratory
GPHY 111 Introduction to Physical Geography
GPHY 112 Introduction to Physical Geography Lab
PHSX 103 Our Physical World
PHSX 104 Our Physical World Lab
PHSX 205 College Physics I
PHSX 206 College Physics I Lab

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

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
+BGEN 105 Introduction to Business
+COMX 106 Communicating in a Dynamic Workplace
ECNS 201 Principles of Microeconomics
ECNS 202 Principles of Macroeconomics
EDU 105 Education and Democracy
GPHY 141 Geography of World Regions
HHTH 110 Personal Health and Wellness
PSCI 210 Introduction to American Government
PSCI 220 Introduction to Comparative Government
+PSYX 100 Introduction to Psychology

PSYX 231 Human Relations
+SOCI 101 Introduction to Sociology
+SOCI 201 Social Problems

Subcategory B – History 3 credits
HSTA 101 American History I
HSTA 102 American History II
HSTR 101 Western Civilization I
HSTR 102 Western Civilization II
HSTR 103 Honors Western Civilization I
HSTR 104 Honors Western Civilization II

PSCI 230 Introduction to International Relations

CATEGORY IV: CULTURAL DIVERSITY 3 credits

ASSC/WGSS 274 Women, Culture, and Society
ANTY 220 Culture and Society
ARTH 160 Global Visual Culture
COMX 212 Introduction to Intercultural Communication
GPHY 121 Human Geography
HHTH 270 Global Health Issues
LIT 230 World Literature Survey
MUSI 207 World Music
NASX 105 Introduction to Native American Studies
NASX 205 Native Americans in Contemporary Society
PHL 271 Indian Philosophies and Religions
PHL 272 Chinese Philosophies and Religions
REHA 201 Introduction to Diversity in Counseling
RLST 170 The Religious Quest
SPNS 150 The Hispanic Tradition

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)
ARTZ 105 Visual Language-Drawing
ARTZ 106 Visual Language -2D Foundations
ARTZ 108 Visual Language – 3D Foundations
ARTZ 131 Ceramics for Non-majors
CRWR 240 Intro Creative Writing Workshop
FILM 160 Introduction to World Cinema
LIT 270 Film & Literature
MART 260 Computer Presentation and Animation
MUSIC 101 Singing
MUSIC 114 Band: MSUB Symphonic
MUSIC 131 Jazz Ensemble I: MSUB
MUSIC 147 Choral Ensemble: University Chorus
PHOT 154 Exploring Digital Photography
THTR 101 Introduction to Theatre
THTR 120 Introduction to Acting I

Subcategory B - Humanities 3 credits
ARTH 110 Introduction to Art History
HONR 111 Perspectives and Understanding
LIT 110 Introduction to Literature
LIT 240 The Bible as Literature
PHL 110 Introduction to Ethics
PHL 111 Philosophies of Life
PHL 254 People and Politics

Total 31

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

Updated 5/3/2019
## Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Grade</th>
<th>Semester</th>
<th>Equivalent</th>
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<tr>
<td>FIRE 106</td>
<td>Wildland Firefighting</td>
<td>3</td>
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<tr>
<td>FIRE 115</td>
<td>Firefighter I Foundations</td>
<td>3</td>
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<tr>
<td>FIRE 119</td>
<td>Fire Service Ethics</td>
<td>2</td>
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<tr>
<td>FIRE 130</td>
<td>Firefighter Leadership and Influence</td>
<td>3</td>
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<td>FIRE 131</td>
<td>Fire Apparatus and Hydraulics</td>
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<td>FIRE 180</td>
<td>Incident Command</td>
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<td>FIRE 201</td>
<td>Firefighter Resilience</td>
<td>3</td>
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<tr>
<td>FIRE 270</td>
<td>Fire Prevention</td>
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<tr>
<td>FIRE 275</td>
<td>Fire Service Instructor</td>
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<tr>
<td>TRID 160</td>
<td>Hazardous Materials Technician General Training</td>
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*A grade of “C” (2.0) or higher is mandatory in all Required Courses*

## Suggested Plan of Study

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<tr>
<th>First Semester</th>
<th>Credits</th>
<th>Second Semester</th>
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<td>FIRE 115</td>
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<td>FIRE 106</td>
<td>3</td>
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<tr>
<td>FIRE 130</td>
<td>3</td>
<td>FIRE 119</td>
<td>2</td>
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<tr>
<td>General Education</td>
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<td>FIRE 275</td>
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<td><strong>TOTAL</strong></td>
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<th>Credits</th>
<th>Fourth Semester</th>
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<td>FIRE 131</td>
<td>3</td>
<td>FIRE 180</td>
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<td>FIRE 270</td>
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<td>FIRE 201</td>
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<tr>
<td>General Education</td>
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<td>TRID 160</td>
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<td><strong>TOTAL</strong></td>
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## Categories

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<tr>
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<tbody>
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<td>General Education</td>
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<tr>
<td>Required Courses</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>60</strong></td>
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</table>
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.
# 2019-2020 AS Fire Science
## Plan of Study

**Name____________________________**

**Student ID________________________**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
<th>Course</th>
<th>Credits</th>
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<td>FIRE 106</td>
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<td>FIRE 130</td>
<td>3</td>
<td>FIRE 119</td>
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<td>FIRE 275</td>
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<td>Gen Ed: Writ101</td>
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<tr>
<th>Semester</th>
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<tbody>
<tr>
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<td>FIRE 131</td>
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<td>FIRE 180</td>
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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 5/3/2019