



MONTANA STATE UNIVERSITY BILLINGS

# PARAMEDIC

## What is a paramedic?

Paramedics use their knowledge to recognize, assess, and appropriately manage medical emergencies of acutely ill or injured patients in a pre-hospital setting. They are also responsible for maintaining documentation of each patient care situation and directing and coordinating the rescue, care, and transportation of patients. Our program will enable students to be competitive in an ever-changing, technologically diverse environment and will provide preparation for regional, national, and global markets.

## Types of classes

- 1800-hour (940 classroom/ 860 clinical) paramedic degree program
- utilizes online, hybrid, traditional classroom and skills laboratory delivery methods to ensure a flexible but rigorous educational experience.

## 18 month program (9 months on campus + 9 months online/distance or on campus)

Students now have an option to complete the Spring pre-requisite semester fully online or on campus. The final semester, which is the clinical portion, can be completed in Billings or at an approved location across the country. In essence, for those not wanting or able to spend a lot of time on campus, they can possibly spend just 9 months out of the 18 month program, on the MSU Billings City College campus (pending students are academically prepared to take college level math and English).

## Certifications preparing for

Prepares the paramedic student for the national registry paramedic exam (NREMT).

## Type of college degree and 2+2 pathways

Associate of Applied Science (18 months) A 2+2 pathway towards a Bachelor program has been arranged with the university campus of MSU Billings for those that would like to further their education.

## Career information

Paramedic graduates may find career opportunities with ambulance services, flight programs, fire departments, and emergency departments/hospitals.

## Pre-Requisites to Starting Program

All students entering the Paramedic program must meet the following prerequisites:

- Be prepared to take College level coursework in math and English by the Spring Pre-requisite semester—which can be proven by one of the three options below
  - By transfer work from previous college,
  - Passing Compass placement tests or
  - Taking any refresher courses prior to College level work
- Possess a current NREMT-Basic card (prior to starting the paramedic core classes)

EMT training in the Billings area is offered through Big Sky EMS. To receive information on this training please contact Lynde Gurchiek at 670-5021

## Job Outlook and Pay

Median Wage (MT)*	\$33,240 yearly
	\$15.98 per hour

Median Wage (US)*	\$32,670 yearly
	\$15.71 per hour

\*Bureau of Labor Statistics, Office of Employment Projections; MT Dept. of Labor and Industry, Research and Analysis Bureau (projections through MT 2022 US 2024)  
 \*\*For more information visit <http://www.careerinfonet.org/Occupations>.

City College entry-level wages of graduates:

**\$43,300** (2012-2015)

# Paramedic

(Associate of Applied Science Degree)

## Pre-Paramedic

Required Courses	Credits
AHMS 144 Medical Terminology .....	3
BIOH 101 Foundations of Human Biology .....	3
CAPP 120 Introduction to Computers .....	3
M 105 Contemporary Mathematics or STAT 141 Introduction to Statistical Concepts or M 114 Extended Technical Mathematics or M 121 College Algebra.....	3
ECP 200 Transition to Paramedic Care.....	3
WRIT 122 Intro to Business Writing <b>or</b> WRIT 121 Intro to Technical Writing .....	3

Students may proceed to the clinical portion of the Paramedic program after successful completion of all pre-paramedic requirements. Please refer to the City College catalog for further details.

## Paramedic

Required Courses	Credits
COMX 106 Communicating in a Dynamic Workplace .....	3
ECP 201 Paramedic Fundamentals .....	3
ECP 202 Paramedic Fundamentals Skills Lab .....	1
ECP 206 EMS Case Studies .....	4
ECP 207 Cardiology.....	4
ECP 208 Cardiology Lab and (ACLS^^^)	1
ECP 216 Hospital Clinical I .....	5
ECP 220 Special Considerations .....	1
ECP 221 OB/Neonatal/Pediatrics.....	2
**ECP 222 OB/Neonatal/Pediatrics Lab & (NRP^) & PALS^^)	1
ECP 230 Trauma .....	2
ECP 232 Pulmonary .....	2
**ECP 233 Trauma/Pulmonary Lab & (PHTLS^^^)	1
ECP 242 Medical .....	2
ECP 243 Medical Lab .....	1
ECP 246 Hospital Clinical II.....	6
ECP 250 NREMT Preparation .....	3
ECP 251 NREMT Exam Preparation Skills Lab.....	1
ECP 295 Field Internship .....	8
Restricted Elective.....	3

**Total minimum credits required for degree ..... 72**

\*\*Additional fees have been attached to this class to cover the cost of the certifications

^NALS Neonatal Advanced Life Support

^^PALS Pediatric Advanced Life Support

^^^PHTLS Pre-Hospital Trauma Life Support

^^^ACLS Advanced Cardiac Life Support

**The Paramedic Core classes start in the Fall; students must complete pre-requisite courses and have the NREMT card to apply for the paramedic core classes.**

## Suggested Plan of Study

Paramedic, Associate of Applied Science Degree

Pre-Paramedic	Credits
AHMS 144^ .....	3
BIOH 101^.....	3
CAPP 120^ .....	3
M 105/114/121/STAT 141^.....	3
ECP 200* .....	3
WRIT 122 or 121^.....	3
<b>Total .....</b>	<b>18</b>

First Semester	Credits
ECP 206* .....	4
ECP 201 .....	3
ECP 202 .....	1
ECP 230 .....	2
ECP 232 .....	2
ECP 233 .....	1
ECP 216 .....	5
<b>Total .....</b>	<b>18</b>

Second Semester	Credits
ECP 207 .....	4
ECP 208 .....	1
ECP 242 .....	2
ECP 243 .....	1
ECP 220 .....	1
ECP 221 .....	2
ECP 222 .....	1
ECP 246 .....	6
<b>Total .....</b>	<b>18</b>

Third Semester	Credits
ECP 250 .....	3
ECP 251 .....	1
ECP 295 .....	8
COMX 106^.....	3
Restricted Elective .....	3
<b>Total .....</b>	<b>18</b>

^ available online

\*offered only online

### NOTE:

All classes in each semester must receive a "C" or better before the student may progress to the next semester of the Paramedic Program.