

PARAMEDIC ASSOCIATE OF APPLIED SCIENCE DEGREE

Also see the Trauma Certificate of Technical Study (<https://catalog.msubillings.edu/cc/academic-programs-departments/trauma-certificate-technical-study/>), Medical Certificate of Technical Study (<https://catalog.msubillings.edu/cc/academic-programs-departments/medical-certificate-technical-study/>), and Paramedic Certificate of Technical Study (<https://catalog.msubillings.edu/cc/academic-programs-departments/paramedic-certificate-technical-study/>)

This curriculum has been arranged so students may complete the Pre-Paramedic Core semester and Final Summer Session from a distance through online courses. With the exception of ECP 200, the other Pre-Paramedic courses are also offered on campus. The core classes for the Paramedic program will start every fall semester.

Competitive entrance is required for this program. Go to www.citycollege.msubillings.edu (<http://www.citycollege.msubillings.edu>) for application requirements.

Mission Statement

The Paramedic program provides excellence in academic programs and access to qualified students. The Paramedic program provides instruction in the knowledge and skills needed to deliver advanced pre-hospital care. The knowledge and skills acquired will enable success and achievement for students competing in an ever changing, technologically diverse environment and will provide preparation for regional, national, and global markets. We strive, by example, to instill in each student our philosophy, civic leadership skills, an interest in life-long learning, and a commitment to service. Serving a unique blend of urban and rural health educational needs in the Southeastern Yellowstone region of Montana, we will work with the community to promote intellectual and educational excellence.

Vision Statement

The Paramedic program envisions creating an inviting environment that serves students by being responsive, adaptive, and innovative through a proactive approach to present and future needs. The program foresees increased enrollment, expanded programs, use of advanced technology, and expanded alliance with our various customer bases as a bridge to becoming a leader in post-secondary two-year education.

City College at MSU Billings' Paramedic program is the only regional college program that is nationally accredited by the Committee on Accreditation of Educational Programs for EMS Professions (CoAEMSP) and the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Paramedics are recognized as allied healthcare providers who respond and provide immediate patient evaluation and treatment intervention to victims of illness or injury. Paramedics rely on their advanced knowledge of normal human physiology and pathophysiology of acute and chronic disease to develop a working field impression order to provide advanced life support care to patients in needs. Airway management, vascular access, electrical therapy, and pharmacological management are all examples of the invasive and life-saving practices a paramedic is permitted to provide in conjunction with medical oversight. Paramedics are typically employed by fire services, hospitals, flight programs, or ambulance companies.

The curriculum consists of classroom instruction with a skills laboratory, in-hospital clinical practice, and a supervised field internship to prepare students for the National Registry EMT-Paramedic Exam and entry-level paramedic practice.

See our website at www.msubillings.edu/careers (<http://www.msubillings.edu/careers/>) for graduate data.

Special Considerations

Students must submit their NREMT certification as well as complete a competitive application process in order to enter the paramedic program.

For the complete application, go to citycollege.msubillings.edu/Programs/ProgParamedic.htm (<http://citycollege.msubillings.edu/Programs/ProgParamedic.htm>)

Students will be evaluated on their cognitive ability, psychomotor skills and behavioral characteristics throughout the program. Students must be successful in all three domains of learning to be eligible for graduation. It should be noted that completion of the paramedic program does not guarantee state and national licensing to practice as a paramedic. Paramedics must pass appropriate licensing boards to practice as a paramedic.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Identify, integrate and apply cognitive knowledge essential to function as an entry-level paramedic.
- Perform patient assessment and employ therapeutic procedures in specific patient scenarios.
- Conduct oneself in an ethical and professional manner consistent with peer and employer expectations.
- Utilize technical and psychomotor skills required to function as an entry-level paramedic.

Required Courses

Code	Title	Credits
AHMS 144	Medical Terminology	3
BIOH 104	Basic Human Biology	3
CAPP 120	Introduction to Computers	3
COMX 106	Comm in a Dynamic Workplace	3
ECP 200	Transition to Paramedic Care	3
ECP 201	Paramedic Fundamentals	3
ECP 202	Paramedic Fundamentals 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/Neonate/Pediatrics	2
ECP 222	OB/Neonate/Ped Lab, NRP, PALS	1
ECP 230	Trauma	2
ECP 232	Pulmonary	2
ECP 233	Trauma/Pulmonary Lab and PHTLS	1
ECP 242	Medical	2
ECP 243	Medical Lab	1
ECP 246	Hospital Clinical II	6
ECP 250	NREMT Exam Preparation	3
ECP 251	NREMT Exam Prep Lab	1
ECP 295	Field Internship	8
Select one of the following:		3
M 105	Contemporary Mathematics	
STAT 141	Intro to Statistical Concepts	

M 121	College Algebra		¹ Available online
M 114	Extended Technical Mathematics		² Offered only online
WRIT 122	Intro to Business Writing	3	
or WRIT 121	Intro to Technical Writing		
Restricted Elective		3	
Total Minimum Credits		72	

Students should check course descriptions for required prerequisites.

Suggested Plan of Study

Code	Title	Credits
Pre-Paramedic Core Semester		
BIOH 104	Basic Human Biology ¹	3
AHMS 144	Medical Terminology ¹	3
Select one of the following:		3
WRIT 121	Intro to Technical Writing	
WRIT 122	Intro to Business Writing ¹	
CAPP 120	Introduction to Computers ¹	3
Select one of the following:		3
M 105	Contemporary Mathematics ¹	
STAT 141	Intro to Statistical Concepts ¹	
M 121	College Algebra ¹	
M 114	Extended Technical Mathematics ¹	
ECP 200	Transition to Paramedic Care ²	3
Total		18
Fall Semester		
ECP 206	EMS Case Studies ²	4
ECP 201	Paramedic Fundamentals	3
ECP 202	Paramedic Fundamentals Lab	1
ECP 230	Trauma	2
ECP 232	Pulmonary	2
ECP 233	Trauma/Pulmonary Lab and PHTLS	1
ECP 216	Hospital Clinical I	5
Total		18
Spring Semester		
ECP 207	Cardiology	4
ECP 208	Cardiology Lab and ACLS	1
ECP 242	Medical	2
ECP 243	Medical Lab	1
ECP 220	Special Considerations	1
ECP 221	OB/Neonate/Pediatrics	2
ECP 222	OB/Neonate/Ped Lab, NRP, PALS	1
ECP 246	Hospital Clinical II	6
Total		18
Summer Semester		
ECP 250	NREMT Exam Preparation	3
ECP 251	NREMT Exam Prep Lab	1
ECP 295	Field Internship	8
COMX 106	Comm in a Dynamic Workplace ¹	3
Restricted Elective		3
Total		18