



# PARAMEDIC TECHNICIAN

## Associate in Applied Science (AAS) Program Code: 10-531-1 Total Credits: 66

Mid-State's Paramedic Technician program prepares students with the knowledge and skills to work competently as an entry-level paramedic. In this associate degree program, students will complete two semesters of general studies as well as two semesters of core paramedic courses in a joint cohort with students in the EMT-Paramedic program. You will learn prehospital skills in the classroom, skills laboratory, hospital, and prehospital settings. Upon successful completion, you will earn certifications in Advanced Cardiac Life Support, Prehospital Trauma Life Support, and Pediatric Advanced Life Support and be eligible to take the National Registry written and practical examinations.

Mid-State's Paramedic Technician program prepares students to obtain the required licensure to be employed/practice in the state of Wisconsin. The College does not guarantee its curriculum matches the requirements for preparation, examination, or licensure for other states.

**Estimated tuition and fees:** [mstc.edu/programcosts](http://mstc.edu/programcosts)

### ACADEMIC ADVISOR

To schedule an appointment with an academic advisor, call 715.422.5300. Academic advisors will travel to other campuses as necessary to accommodate student needs. For more information about advising, visit [mstc.edu/advising](http://mstc.edu/advising).

### CHECKLIST:

This section will be completed when meeting with your academic advisor.

- FAFSA ([www.fafsa.gov](http://www.fafsa.gov))
- Financial Aid Form(s)  
Form(s): \_\_\_\_\_
- Follow-Up Appointment:  
Where: \_\_\_\_\_  
When: \_\_\_\_\_  
With: \_\_\_\_\_
- Official Transcripts  
Mid-State Technical College  
Student Services Assistant  
1001 Centerpoint Drive  
Stevens Point, WI 54481
- Criminal Background Statement of  
Understanding and Release of  
Information Form
- Other: \_\_\_\_\_  
\_\_\_\_\_



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**ADAMS CAMPUS**  
401 North Main  
Adams, WI 53910

**MARSHFIELD CAMPUS**  
2600 West 5th Street  
Marshfield, WI 54449

**STEVENS POINT CAMPUS**  
1001 Centerpoint Drive  
Stevens Point, WI 54481

**WISCONSIN RAPIDS CAMPUS**  
500 32nd Street North  
Wisconsin Rapids, WI 54494

# CAREER PATHWAY • BEGIN AT ANY POINT

HIGH SCHOOL STUDENT

COLLEGE TRANSFER

RETURNING ADULT

## CREDIT FOR PRIOR LEARNING AND EXPERIENCE

### CREDIT FOR PRIOR LEARNING AND EXPERIENCE

- Certifications and Licenses
- High School Credit
- Military Experience
- National/Standardized Exams
- Transfer Credit
- Work and Life Experience

Learn about Credit for Prior Learning at [mstc.edu/cpl](https://mstc.edu/cpl).

## TECHNICAL DIPLOMA

### EMT-PARAMEDIC

Technical Diploma • 38 Credits

#### Start Your Career

- Emergency/Urgent Care Technician
- Paramedic Technician

## ASSOCIATE IN APPLIED SCIENCE (AAS)

### PARAMEDIC TECHNICIAN

Associate in Applied Science (AAS) • 66 Credits

#### Start Your Career

- Paramedic
- Emergency Department Technician

## BACHELOR'S DEGREE

### BACHELOR'S DEGREE OPTIONS

Arizona State University, Bellevue University, Colorado State University Global, Concordia University, Franklin University, Grand Canyon University (GCU), Herzing University, Lakeland University, Milwaukee School of Engineering (MSOE), Mount Mary University (MMU), Northern Michigan University, Southern Illinois University, University of Maryland Global, University of Phoenix, UW-Green Bay, UW-Oshkosh, UW-Stevens Point, UW-Stevens Point at Marshfield, UW-Stout, UW-Whitewater, Western Governors University, and Wisconsin Private-Nonprofit Universities/Colleges.

For more information and additional opportunities, visit [mstc.edu/transfer](https://mstc.edu/transfer).

## OTHER OPTIONS

### RELATED PROGRAMS

- Advanced Emergency Medical Technician
- Criminal Justice-Corrections & Community Advocacy
- Criminal Justice-Law Enforcement 720 Academy
- Criminal Justice-Studies
- Emergency Medical Technician
- Emergency Services Management
- Fire Service Certification

## PROGRAM OUTCOMES

Employers will expect you, as a Paramedic Technician graduate, to be able to:

- Prepare for incident response and EMS operations.
- Integrate pathophysiological principles and assessment findings to provide appropriate patient care.
- Demonstrate paramedic skills associated with established standards and procedures for a variety of patient encounters
- Communicate effectively with others.
- Demonstrate professional behavior.
- Meet state and national competencies listed for paramedic credentialing.

Paramedic Technician is based upon the US Department of Transportation Administration/Wisconsin Bureau Local Health Support and EMS curriculum.

## TECHNICAL SKILLS ATTAINMENT

The Wisconsin Technical College System (WTCS) has implemented a requirement that all technical colleges measure program outcomes attained by students. This requirement is called Technical Skills Attainment (TSA). The main objective of TSA is to ensure graduates have the technical skills needed by employers. Students will fulfill the TSA requirements when they complete the clinical and field courses.

## ADDITIONAL ENTRY CRITERIA

To apply to the Paramedic Technician program, please submit the following document to Mid-State Admissions:

### Step 1:

Criminal Background Statement of Understanding and Release of Information form.

**Mid-State Technical College • Admissions**  
**500 32nd Street North, Wisconsin Rapids, WI 54494**

***Completion of step 1 requirements allows the student to begin general education courses.***

If you are taking Emergency Medical Technician program courses as part of the Paramedic Technician program, you must apply to Emergency Medical Technician program (30-531-3) separately. Although the Emergency Medical Technician program is part of the curriculum, it is handled as a stand-alone program for admission purposes.

### Step 2:

Submit a current Wisconsin EMT license.

**Mid-State Technical College • Admissions**  
**500 32nd Street North, Wisconsin Rapids, WI 54494**

***Completion of the Step 2 requirement will make the student eligible for entry into the Paramedic core courses. Completion of Step 2 does not guarantee entry into the next available cohort of core program students. Cohorts are filled on a first-eligible, first-served basis.***

## TECHNICAL STANDARDS

A list of specific physical, emotional, and mental tasks needed to function as a paramedic technician is available at [mstc.edu/programs/paramedic-technician](http://mstc.edu/programs/paramedic-technician). Contact the Disability Services coordinator in the Student Services & Information Center to receive assistance.

## CLINICAL-RELATED REQUIREMENTS

Prior to placement at a clinical site, students need to pay for a criminal background check through a private vendor. Students will be required to provide documentation of required health work and current healthcare provider CPR certification via a Blackboard assignment. Students are responsible for ensuring all requirements remain current during program enrollment.

Clinical sites have the right to refuse a student's placement based on inadequate health records, pending charges, or conviction records. Students with a criminal history may not be able to complete clinical courses. Mid-State will make two attempts to place a student in an appropriate clinical experience. If Mid-State is unable to place the student after two attempts, the student will be withdrawn from the course and will not be able to advance in the program.

Prior to beginning a clinical experience in a healthcare agency or ambulance service, students must:

- a. Provide evidence of completion of the required health work.
- b. Hold a current State of Wisconsin EMT license.
- c. Hold a Department of Health Services EMS Training Center Training Permit at the paramedic level.
- d. Provide evidence of current CPR at the health care professional level by a CPR organization specified under s. DHS 110.17(1).
- e. Obtain the required uniform for clinical experiences.
- f. Assume responsibility for clinical assignment(s) regardless of time and location, including transportation and other personal arrangements.

## PROGRAM PROGRESSION

In order to progress in and complete the program, students must receive a grade of "C" or better in each of the paramedic core courses. Failure to obtain a grade of "C" in any core course will prevent a student from progressing on to the next course in the sequence until they have retaken the course and achieved a grade of "C" or better.

All general education courses must be completed with a grade of "C" or better in order to be eligible for graduation.

Having to retake a core course will require removal from the student's cohort, and placement will be made in the next cohort with an available seat.

This requirement also applies to the last class in the sequence, as the grade of "C" or better is required in all core courses in order to retain eligibility to take the National Registry exam.

## STUDENT HANDBOOK

Visit [mstc.edu/studenthandbook](http://mstc.edu/studenthandbook) to view Mid-State's student handbook, which contains information about admissions, enrollment, appeals processes, services for people with disabilities, financial aid, graduation, privacy, Mid-State's Student Code of Conduct, and technology.

## GRADUATION REQUIREMENT

The GPS for Student Success course is required for all Mid-State program students and is recommended to be completed before obtaining 12 credits. (Not counted in the total credit value for this program.) Some students are exempt from this requirement. Please see your program advisor for more information.

### GPS for Student Success

#### 10890102 ..... 1 credit

Integrate necessary skills for student success by developing an academic plan, identifying interpersonal attributes for success, adopting efficient and effective learning strategies, and utilizing Mid-State resources, policies, and processes. This course is recommended to be completed prior to obtaining 12 credits and is a graduation requirement unless you receive an exemption from your program advisor.

## ADDITIONAL COURSES AS NEEDED

The following courses may be recommended or required if the student does not achieve minimum Accuplacer scores.

### College Reading and Writing 1

#### 10831104 ..... 3 credits







Provides learners with opportunities to develop and expand reading and writing skills to prepare for college-level academic work. Students will employ critical reading strategies to improve comprehension, analysis, and retention of texts. Students will apply the writing process to produce well-developed, coherent, and unified written work.





### Pre-Algebra

#### 10834109 ..... 3 credits

Provides an introduction to algebra. Includes operations on real numbers, solving linear equations, percent and proportion, and an introduction to polynomials and statistics. Prepares students for elementary algebra and subsequent algebra-related courses.

## SAMPLE FULL-TIME CURRICULUM OPTION


Term		16 credits
10531940	EMT Foundations	3
10801136	English Composition 1 	3
10806177	General Anatomy & Physiology 	4
10809172	Introduction to Diversity Studies  -or-	
10809122	Intro to American Government  -or-	
10809196	Intro to Sociology 	3
10809198	Intro to Psychology 	3

Term		12 credits
10531941	EMT Applications	2
10801196	Oral/Interpersonal Communication  -or-	
10801198	Speech  -or-	
10801197	Technical Reporting	3
10804107	College Mathematics 	3
10806134	General Chemistry  -or-	
10806179	Advanced Anatomy & Physiology	4

Term		19 credits
10531911	EMS Fundamental	2
10531912	Paramedic Medical Principles	4
10531913	Patient Assessment Principles	3
10531914	Prehospital Pharmacology	3
10531915	Paramedic Respiratory Management	2
10531918	Advanced Resuscitation	1
10531955	Paramedic Cardiology 1	2
10531959	Paramedic Clinical	2

Term		19 credits
10531919	Paramedic Medical Emergencies	4
10531920	Paramedic Trauma	3
10531921	Special Patient Populations	3
10531922	EMS Operations	1
10531923	Paramedic Capstone	1
10531956	Paramedic Cardiology 2	2
10531957	Paramedic Field Experience	3
10531958	Paramedic Field Leadership	1
10531960	Paramedic Clinical/Field Prep	1

**Total credits 66**

 This course has options available to receive credit for prior learning (CPL) or work experience. Visit the website at [mstc.edu/cpl](http://mstc.edu/cpl) or contact your advisor for details.

Please Note:

- This curriculum sequence is only for student planning. Actual student schedules will vary depending on course availability.
- Program completion time may vary based on student scheduling and course availability. For details, go to [mstc.edu/schedule](http://mstc.edu/schedule).

## MULTIPLE MEASURES

**Multiple Measures Writing (MMW):** High school GPA of 2.6 and successful completion of 2.0 credits of high school writing courses with a "C" or better

**Multiple Measures Math 1 (MMM\_1):** High school GPA of 2.6 and successful completion of 1.0 credits of high school math (Algebra 1 or equivalent) with a "C" or better

**Multiple Measures Science 1 (MMS\_1):** High school GPA of 2.6 and successful completion of 1.0 credits of high school lab science course with a "C" or better

**Multiple Measures Reading (MMR):** High school GPA of 2.6 and successful completion of 2.0 credits of high school literature courses with a "C" or better

**Multiple Measures Math 2 (MMM\_2):** High school GPA of 2.6 and successful completion of 2.0 credits of high school math including Algebra 1 and Algebra 2 with a "C" or better

**Multiple Measures Science 2 (MMS\_2):** High school GPA of 2.6 and successful completion of 1.0 credits of high school chemistry with a "C" or better

*Past high school and college transcripts are used in making course placement decisions.*

# COURSE DESCRIPTIONS

## Advanced Anatomy & Physiology

**10806179..... 4 credits**

The second semester in a two-semester sequence in which normal human anatomy and physiology are studied using a body system approach with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. Instructional delivery is within a classroom and laboratory setting. Experimentation within a science lab includes analysis of cellular metabolism and the individual components of body systems such as the nervous, neuromuscular, cardiovascular, and urinary. Continued examination of homeostatic mechanisms and their relationship to fluid, electrolyte, acid-base balance, and blood. Integration of genetics to human reproduction and development are also included in this course.

*Prerequisite: General Anatomy & Physiology 10806177 with a grade of "C" or better*

## Advanced Resuscitation

**10531918..... 1 credit**

By teaching advanced cardiac life support (ACLS) and pediatric advanced life support (PALS) methodologies and protocols, this course prepares the paramedic student to integrate comprehensive knowledge of causes and pathophysiology into the management of shock, respiratory failure, respiratory arrest, cardiac arrest, and peri-arrest states. Emphasizes early intervention to prevent respiratory and/or cardiac arrest if possible.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

## College Mathematics

**10804107 .....3 credits**

This course is designed to review and develop fundamental concepts of mathematics in the areas of algebra, geometry, trigonometry, measurement and data. Algebra topics emphasize simplifying algebraic expressions, solving linear equations and inequalities with one variable, solving proportions and percent applications. Geometry and trigonometry topics include; finding areas and volumes of geometric figures, applying similar and congruent triangles, applying Pythagorean Theorem, and solving right triangles using trigonometric ratios. Measurement topics emphasize the application of measurement concepts and conversion techniques within and between U.S. customary and metric system to solve problems. Data topics emphasize data organization and summarization skills, including: frequency distributions, central tendency, relative position and measures of dispersion. Special emphasis is placed on problem solving, critical thinking and logical reasoning, making connections, and using calculators.

*Prerequisite: High School GPA of 2.6 and MMM\_1 or Accuplacer Arithmetic of 250 and QAS 234 or ACT Math score of 17 or Pre-Algebra 10834109 with a "C" or better*

## EMS Fundamental

**10531911 .....2 credits**

Provides learners with comprehensive knowledge of EMS systems, safety, well-being, legal issues, and ethical issues, with the intended outcome of improving the health of EMS personnel, patients, and the community. Learners obtain fundamental knowledge of public health principles and epidemiology as related to public health emergencies, health promotion, and illness/injury prevention. Introduces learners to comprehensive anatomical and medical terminology with the aim of fostering the development of effective communications with colleagues and other healthcare professionals.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

## EMS Operations

**10531922 ..... 1 credit**

Provides paramedic students with the knowledge of operational roles and responsibilities to ensure patient, public, and EMS personnel safety.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

## EMT Applications

**10531941.....2 credits**

Course covers the bulk of the Emergency Medical Technician certification course to include the handling of cervical and spine injuries, burn injuries, heart- and breathing-related problems, shock, and other trauma injuries. Includes several lab days to practice and perfect skills, clinical time, and extensive hands-on activities. Prepares students for national certification testing for EMT. To maintain National Registry certification eligibility this course must be finished the semester following the completion of EMT Foundations.

*Prerequisite: EMT Foundations 10531940*

## EMT Foundations

**10531940 .....3 credits**

Covers the basics of the Emergency Medical Technician certification course to include CPR, airways, anatomy, hazmat response requirements, lifting and moving patients, incident command, and other technical information. It is the first part of a two-course system to prepare students for national certification testing for EMT.

*Admission to Paramedic Technician program 105311 or Emergency Medical Technician program 305313 or Fire Service Certification program 305032*

## English Composition 1

**10801136 .....3 credits**

Learners develop and apply skills in all aspects of the writing process. Through a variety of learning activities and written documents, learners employ rhetorical strategies, plan, organize and revise content, apply critical reading strategies, locate and evaluate information, integrate and document sources, and apply standardized English language conventions.

*Prerequisite: High School GPA of 2.6 and MMW or Accuplacer Writing of 262 or ACT English score of 20 or completion of College Reading and Writing 1 10831104 with a "C" or better*



# COURSE DESCRIPTIONS

## **General Anatomy & Physiology** ☑

**10806177**..... 4 credits

Examines basic concepts of human anatomy and physiology as they relate to health sciences. Using a body systems approach, the course emphasizes the interrelationships between structure and function at the gross and microscopic levels of organization of the entire human body. It is intended to prepare health care professionals who need to apply basic concepts of whole-body anatomy and physiology to informed decision making and professional communication with colleagues and patients.

*Prerequisite: High School GPA of 2.6 and MMS\_1 and MMM\_1 or Accuplacer Reading Skills of 262 and QAS of 246 or ACT Math score of 19 and Reading score of 19 or College Math 10804107 or Intermediate Algebra with Applications 10804118 with a "C" or better, or General Chemistry 10806134, or General Biology 10806114, or Human Body in Health & Disease 31509302*

## **General Chemistry** ☑

**10806134** ..... 4 credits

Covers the fundamentals of chemistry. Topics include the metric system; problem solving; periodic relationships; chemical reactions, chemical equilibrium; properties of water; acids, bases, and salts; and gas laws.

*Prerequisite: High School GPA of 2.6 and MMS\_1 and MMM\_1 or Accuplacer Reading Skills of 262 and QAS of 246 or ACT Math score of 19 and Reading score of 19 or College Mathematics 10804107 or Intermediate Algebra with Applications 10804118 with a "C" or better*

## **Intro to American Government** ☑

**10809122**.....3 credits

Introduces American political processes and institutions. Focuses on rights and responsibilities of citizens and the process of participatory democracy. Learners examine the complexity of the separation of powers and checks and balances. Explores the role of the media, interest groups, political parties, and public opinion in the political process. Also explores the role of state and national government in our federal system.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## **Intro to Psychology** ☑

**10809198** .....3 credits

This science of psychology course is a survey of multiple aspects of behavior and mental processes. It provides an overview of topics such as research methods, theoretical perspectives, learning, cognition, memory, motivation, emotions, personality, abnormal psychology, physiological factors, social influences, and development.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## **Intro to Sociology** ☑

**10809196** .....3 credits

Introduces students to the basic concepts of sociology: culture, socialization, social stratification, multi-culturalism, and the five institutions of family, politics, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## **Introduction to Diversity Studies** ☑

**10809172**.....3 credits

Introduces learners to the study of diversity from a local to a global environment using a holistic, interdisciplinary approach. Encourages self-exploration and prepares the learner to work in a diverse environment. In addition to an analysis of majority/minority relations in a multicultural context, the primary topics of race, ethnicity, age, gender, class, sexual orientation, disability, and religion are explored.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## **Oral/Interpersonal Communication** ☑

**10801196** .....3 credits

Focuses on developing effective listening techniques and verbal and nonverbal communication skills through oral presentation, group activity, and other projects. The study of self, conflict, and cultural contexts will be explored, as well as their impact on communication.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## **Paramedic Capstone**

**10531923** ..... 1 credit

Provides students with a final opportunity to incorporate their cognitive knowledge and psychomotor skills through labs and scenario-based practice and evaluations prior to taking the National Registry written and practical examinations. Technical skills attainment (TSA) for each student will be compiled and/or documented within this course as required by the DHS-approved paramedic curriculum.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

## **Paramedic Cardiology 1**

**10531955** .....2 credits

Provides basic knowledge to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment for the patient with cardiovascular disease.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

# COURSE DESCRIPTIONS

## Paramedic Cardiology 2

**10531956.....2 credits**

Teaches the paramedic student knowledge and skills to integrate assessment findings with principles of cardiovascular anatomy, physiology, epidemiology, and pathophysiology to formulate a field impression and implement a comprehensive treatment plan for a patient with a variety of cardiovascular complaints.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

## Paramedic Clinical

**10531959.....2 credits**

Enhances learning through the practice of paramedicine in a healthcare environment. Learners will experience actual patients under the supervision of instructors or approved preceptors. Learners will also have the opportunity to participate in formal high-fidelity human patient simulator experiences as a part of this course.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

## Paramedic Clinical/Field Prep

**10531960 .....1 credit**

Enhances learning through the practice of paramedicine in a healthcare or field environment. Learners will experience actual patients under the supervision of instructors or approved preceptors.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

## Paramedic Field Experience

**10531957 .....3 credits**

Provides the opportunity to enhance learning through the practice of paramedicine in a field environment and through experiences with actual patients under the supervision of instructors or approved preceptors. Students may also have the opportunity to participate in formal high-fidelity human patient simulator experiences as a part of this course. Successful completion of this course requires the student to meet all clinical and field competency requirements at the paramedic level as defined by WI DHS EMS.

*Prerequisites: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311 and Advanced Resuscitation 10531918*

## Paramedic Field Leadership

**10531958.....1 credit**

Provides the opportunity to act as the field team leader in a field environment and through experiences with actual patients under the supervision of instructors or approved preceptors. Successful completion of this course requires the student to meet all team leader competency requirements at the paramedic level as defined by WI DHS EMS and the CoAEMSP.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

## Paramedic Medical Emergencies

**10531919.....4 credits**

Teaches the paramedic student to integrate assessment findings with principles of anatomy, physiology, epidemiology, and pathophysiology to formulate a field impression and implement a comprehensive treatment plan for a patient with a medical complaint.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

## Paramedic Medical Principles

**10531912.....4 credits**

Addresses the complex depth of anatomy, physiology, and pathophysiology of major human systems while also introducing paramedic students to the topics of shock, immunology, and bleeding.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

## Paramedic Respiratory Management

**10531915.....2 credits**

Teaches the paramedic student to integrate complex knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of assuring a patient airway, adequate mechanical ventilation, and respiration for patients of all ages. Also provides specific knowledge pertaining to the respiratory system to ensure the student is prepared to formulate a field impression and implement a comprehensive treatment plan for a patient with a respiratory complaint.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

## Paramedic Trauma

**10531920.....3 credits**

Teaches the paramedic student to integrate assessment findings with principles of anatomy, physiology, epidemiology, and pathophysiology to formulate a field impression and implement a comprehensive treatment plan for an acutely injured patient.

*Prerequisites: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311 and Advanced Resuscitation 10531918*

## Patient Assessment Principles

**10531913.....3 credits**

Teaches the paramedic student to integrate scene and patient assessment findings with knowledge of epidemiology and pathophysiology to form a field impression. Uses a structured and organized assessment process that draws on knowledge of anatomy, physiology, pathophysiology, life span development, and changes that occur to the human body with time. Using this process students learn to develop a list of differential diagnoses through clinical reasoning and modify the assessment as necessary to formulate a treatment plan for their patients.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

# COURSE DESCRIPTIONS

## Prehospital Pharmacology

**10531914 .....3 credits**

Provides the paramedic student with the comprehensive knowledge of pharmacology required to formulate and administer a pharmacological treatment plan intended to mitigate emergencies and improve the overall health of the patient.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

## Special Patient Populations

**10531921 .....3 credits**

Teaches the paramedic student to integrate assessment findings with principles of anatomy, physiology, epidemiology, and pathophysiology to formulate a field impression and implement a comprehensive treatment plan for patients with special needs. Also includes gynecological emergencies, along with special considerations in trauma.

*Prerequisite: Admission to Paramedic Technician program 105311 or EMT-Paramedic program 315311*

## Speech

**10801198 .....3 credits**

Explores the fundamentals of effective oral presentation to small and large groups. Topic selection, audience analysis, methods of organization, research, structuring evidence and support, delivery techniques, and other essential elements of speaking successfully, including the listening process, form the basis of this course. Includes informative, persuasive, and occasion speech presentations.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or*

*Prerequisite: High School GPA of 2.6 and MMR and MMW or*

*Accuplacer Reading Skills of 253 and Writing of 262 or ACT of 21 Reading/19 English or completion of College Reading and Writing 1 10831104 with a "C" or better*

## Technical Reporting

**10801197 .....3 credits**

The student prepares and presents oral and written technical reports. Types of reports may include lab and field reports, proposals, technical letters and memos, technical research reports, and case studies. Designed as an advanced communication course for students who have completed at least the prerequisite introductory writing course.

*Prerequisite: English Composition 1 10801136 with a grade of "C" or better or Written Communication 10801195 with a grade of "C" or better*