Academic Plan - Associate of Applied Science EMS - Paramedicine

**Catalog Year: 2019/2020**

**Total Credits:66**

This program is accredited by the Commission on Accreditation of Allied Health Educations Programs. This program is offered two times per year. Students have the option of attending full-time or part-time.

The Paramedicine Program has four components: Lecture, Lab, Clinical and Field Internships. This is approximately 1200 hours. The student must complete all coursework, lecture, lab, clinical and field internship, as well as pass all academic and practical components before sitting for the National Registry Examination.

The program is designed to educate workers in the field of Emergency Medical Services. Students should consult with an Emergency Medical Service Faculty Advisor early in their College career to explore all of their educational options. Students must earn a “C” or better in all EMS courses to graduate. All students must complete a criminal background check prior to enrolling in this program.

# General Education Courses

3 Credits, COM 125 - Interpersonal Communication OR COM 126 - Communication in Healthcare\*, available fall spring summer

3 Credits, ENG 131 - Technical Writing I: GT-CO1\*, available fall spring summer

3 Credits, PSY 101 - General Psychology I: GT-SS3\*, available fall spring summer

4 Credits, BIO 201 - Human Anatomy and Physiology I with Lab: GT-SC1\*, available fall spring summer

4 Credits, BIO 202 - Human Anatomy and Physiology II with Lab: GT-SC1, available fall spring summer

4 Credits, MAT 108 - Technical Mathematics\*, available fall spring summer

# Major Courses

1 Credits, EMS 232 - Paramedic Cardiology Lab, available fall spring

1 Credits, EMS 234 - Paramedic Medical Emergencies Lab, available fall spring

1 Credits, EMS 236 - Paramedic Trauma Emergencies Lab, available fall spring

2 Credits, EMS 226 - Fundamentals of Paramedic Practice - Lab, available spring summer

2 Credits, EMS 228 - Paramedic Special Considerations Lab, available spring summer

2 Credits, EMS 230 - Paramedic Pharmacology Lab, available spring summer

2 Credits, EMS 237 - Paramedic Internship Preparatory, available fall spring

3 Credits, EMS 225 - Fundamentals of Paramedic Practice, available spring summer

3 Credits, EMS 227 - Paramedic Special Considerations, available spring summer

3 Credits, EMS 229 - Paramedic Pharmacology, available spring summer

4 Credits, EMS 233 - Paramedic Medical Emergencies, available fall spring

4 Credits, EMS 235 - Paramedic Trauma Emergencies, available fall spring

5 Credits, EMS 231 - Paramedic Cardiology, available spring

6 Credits, EMS 280 - Internship I: Paramedic, available fall spring

6 Credits, EMS 281 - Paramedic Internship II, available fall summer

# Pre-Requisites, Co-Requisites, and Recommendations

BIO 201 - Human Anatomy and Physiology I with Lab: GT-SC1\*

Pre-Requisite: BIO 111 - General College Biology I with Lab: GT-SC1 OR Score of 75+ on Biology Placement Test

BIO 202 - Human Anatomy and Physiology II with Lab: GT-SC1

Pre-Requisite: BIO 201 - Human Anatomy and Physiology I with Lab: GT-SC1

EMS 226 - Fundamentals of Paramedic Practice - Lab

Co-Requisite: EMS 225 - Fundamentals of Paramedic Practice

EMS 227 - Paramedic Special Considerations

Co-Requisite: EMS 228 - Paramedic Special Considerations

Requirement: Acceptance into paramedic program - site specific

EMS 228 - Paramedic Special Considerations Lab

Co-Requisite: EMS 227 - Paramedic Special Considerations

Requirement: Acceptance into paramedic program - site specific

EMS 229 - Paramedic Pharmacology

Co-Requisite: EMS 230 - Paramedic Pharmacology Lab

Requirement: Acceptance into paramedic program - site specific

EMS 230 - Paramedic Pharmacology Lab

Co-Requisite: EMS 229 - Paramedic Pharmacology

Requirement: Acceptance into paramedic program - site specific

EMS 231 - Paramedic Cardiology

Co-Requisite: EMS 232 - Paramedic Cardiology Lab

Requirement: Acceptance into paramedic program - site specific

EMS 232 - Paramedic Cardiology Lab

Co-Requisite: EMS 231 - Paramedic Cardiology

Requirement: Acceptance into paramedic program - site specific

EMS 233 - Paramedic Medical Emergencies

Co-Requisite: EMS 234 - Paramedic Medical Emergencies Lab

Requirement: Acceptance into paramedic program - site specific

EMS 234 - Paramedic Medical Emergencies Lab

Co-Requisite: EMS 233 - Paramedic Medical Emergencies

Requirement: Acceptance into paramedic program - site specific

EMS 235 - Paramedic Trauma Emergencies

Co-Requisite: EMS 236 - Paramedic Trauma Emergencies Lab

Requirement: Acceptance into paramedic program - site specific

EMS 236 - Paramedic Trauma Emergencies Lab

Co-Requisite: EMS 235 - Paramedic Trauma Emergencies

Requirement: Acceptance into paramedic program - site specific

EMS 237 - Paramedic Internship Preparatory

Requirement: Acceptance into paramedic program - site specific

EMS 280 - Internship I: Paramedic

Requirement: Acceptance into paramedic program - site specific

EMS 281 - Paramedic Internship II

Requirement: Acceptance into paramedic program - site specific

# Program Outcomes

Demonstrate a strong understanding of the pathophysiology behind the illnesses they are assessing and treating.Understand and recognize the ethical issues found in patient care settings.

Develop professional behaviors including presentation, preparation, and interaction.

Demonstrate clinical objectives including patient interviewing, completing a physical exam, communication, and developing a field impression.

Perform evaluations, patient management skills.

exhibit communication skills, comprehension, scene control, and miscellaneous skills in a realistic setting

Create a group presentation including pathophysiology of disease factors, provide differential diagnosis, prehospital treatment, and a patient care report in an organized manner.

# Notes

All General Education Courses must be completed prior to enrolling in and EMS prefix courses. Please consult an Academic Advisor for recommendations on the General Education course sequence.

The student must have the following to be considered for entrance into this program: One year of documented EMT or AEMT field experience, basic ECG interpretation class, IV approval, current American Heart Association Healthcare CPR certificate, documentation of vaccinations (at least 2 HEP B vaccinations (or Titer), 2 MMR vaccinations (or Titer), Tetanus vaccination within the last 10 years, TB Skin Test, and Varicella (chicken pox) vacinnation).

Course availability is subject to change.

Refer to 19/20 catalog for specific requirements and important information about this degree.

Recommended courses may be listed above for certain electives; consult with the Academic Advising Office (advising@arapahoe.edu or 303.797.5664) for additional elective recommendations.

\*This course requires college level readiness as measured by Accuplacer, ACT, or SAT scores; approved high school course work that is less than five years old; or successful completion of appropriate college-readiness course.

AAA 101 – College 101: Student Experience is required for all new college students seeking degrees or transfer.

# Graduation Requirements

All courses must be completed with a grade of “C” or better.

To graduate, students must apply for graduation (form available at www.arapahoe.edu/departments-and-programs/graduation) by the deadline and meet all degree requirements.