Academic Plan: Associate of Applied Science - EMS - Paramedicine

# Catalog Year: 2020/2021

# 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.

# A - General Education Courses.

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

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

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

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

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

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

# B - Major Courses.

EMS 225 - Fundamentals of Paramedic Practice 3 credits available fall spring

EMS 226 - Fundamentals of Paramedic Practice - Lab 2 credits available fall spring

EMS 227 - Paramedic Special Considerations 3 credits available fall spring

EMS 228 - Paramedic Special Considerations Lab 2 credits available fall spring

EMS 229 - Paramedic Pharmacology 3 credits available fall spring

EMS 230 - Paramedic Pharmacology Lab 2 credits available fall spring

EMS 231 - Paramedic Cardiology 5 credits available fall spring

EMS 232 - Paramedic Cardiology Lab 1 credits available fall spring

EMS 233 - Paramedic Medical Emergencies 4 credits available fall spring

EMS 234 - Paramedic Medical Emergencies Lab 1 credits available fall spring

EMS 235 - Paramedic Trauma Emergencies 4 credits available fall spring

EMS 236 - Paramedic Trauma Emergencies Lab 1 credits available fall spring

EMS 237 - Paramedic Internship Preparatory 2 credits available fall spring

EMS 280 - Internship I: Paramedic 6 credits available spring summer

EMS 281 - Paramedic Internship II 6 credits available spring summer

# Pre-Requisites, Co-Requisites, and Recommendations (grade C or better required)

Where requirements are listed as course categories (e.g. Electives, Arts/Humanities) rather than as specific courses, please note that depending upon course choice, pre-requisites may be required.

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

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

ENG 131 - Technical Writing I: GT-CO1\*

Co-Requisite: CCR 094 - Studio 121

# 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; exhibit patient management skills, 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

\*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.

All General Education Courses must be completed prior to enrolling in any EMS prefix courses.

Course availability is subject to change.

In order to meet program requirements, students registered for ENG 121 or ENG 131 must also register for CCR 094 unless they can demonstrate otherwise meeting the CCR 094 standard through assessment testing, prior college coursework, or recent High School coursework. See an Advisor for details.

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.

Refer to 20/21 catalog for specific requirements and important information about this degree.

The recommended course sequence assumes a fall start date. The program can be completed with spring or summer

start dates as well; please consult with program advisor for alternative course sequences.

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) vaccination).

# Graduation Requirements

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

To graduate, students must apply for graduation [here](http://www.arapahoe.edu/departments-and-programs/graduation) by the deadline and meet all degree requirements.

# RECOMMENDED COURSE SEQUENCE FULL-TIME TRACK

## Year 1: Fall

4BIO 201 - Human Anatomy and Physiology I with Lab: GT-SC1

3COM 125 - Interpersonal Communication OR COM 126 - Communication in Healthcare\*

4MAT 108 - Technical Mathematics

## Year 1: Spring

4BIO 202 - Human Anatomy and Physiology II with Lab: GT-SC1

3ENG 131 - Technical Writing I: GT-CO1

3PSY 101 - General Psychology I: GT-SS3

## Year 2: Fall

3EMS 225 - Fundamentals of Paramedic Practice

2EMS 226 - Fundamentals of Paramedic Practice - Lab

3EMS 227 - Paramedic Special Considerations

2EMS 228 - Paramedic Special Considerations Lab

3EMS 229 - Paramedic Pharmacology

2EMS 230 - Paramedic Pharmacology Lab

5EMS 231 - Paramedic Cardiology

1EMS 232 - Paramedic Cardiology Lab

4EMS 233 - Paramedic Medical Emergencies

1EMS 234 - Paramedic Medical Emergencies Lab

4EMS 235 - Paramedic Trauma Emergencies

1EMS 236 - Paramedic Trauma Emergencies Lab

2EMS 237 - Paramedic Internship Preparatory

## Year 2: Spring

6EMS 280 - Internship I: Paramedic

6EMS 281 - Paramedic Internship II

# RECOMMENDED COURSE SEQUENCE PART-TIME TRACK

## Year 1: Fall

4BIO 201 - Human Anatomy and Physiology I with Lab: GT-SC1

4MAT 108 - Technical Mathematics

## Year 1: Spring

4BIO 202 - Human Anatomy and Physiology II with Lab: GT-SC1

3ENG 131 - Technical Writing I: GT-CO1

## Year 1: Summer

3COM 125 - Interpersonal Communication OR COM 126 - Communication in Healthcare\*

3PSY 101 - General Psychology I: GT-SS3

## Year 2: Fall

3EMS 225 - Fundamentals of Paramedic Practice

2EMS 226 - Fundamentals of Paramedic Practice - Lab

3EMS 229 - Paramedic Pharmacology

2EMS 230 - Paramedic Pharmacology Lab

4EMS 233 - Paramedic Medical Emergencies

1EMS 234 - Paramedic Medical Emergencies Lab

## Year 2: Spring

3EMS 227 - Paramedic Special Considerations

2EMS 228 - Paramedic Special Considerations Lab

5EMS 231 - Paramedic Cardiology

1EMS 232 - Paramedic Cardiology Lab

4EMS 235 - Paramedic Trauma Emergencies

1EMS 236 - Paramedic Trauma Emergencies Lab

2EMS 237 - Paramedic Internship Preparatory

## Year 2: Summer

6EMS 280 - Internship I: Paramedic

6EMS 281 - Paramedic Internship II