



Red Rocks Community College Emergency Medical Technology Associates of Applied Science



This program prepares graduates to enter a Paramedic course of study, or enter the workforce as an ALS Provider with an Associate's degree. Participants will gain Advanced EMT certification at the end of the first year, and begin learning at the paramedic level in the second year while functioning within the EMT-Intermediate scope. The course of study provides the student an opportunity to acquire basic and advanced life support knowledge and skills by utilizing classroom instruction, practical laboratory sessions, realistic simulations, hospital clinical experience, and field internships with emergency medical service agencies.

Students in the second year of the program are employed in the EMS field at the time of their acceptance into the program, or gain employment while enrolled in the program with the assistance of the RRCC EMS Program. Employment while enrolled in the program is required as it enhances the educational process and allows immediate application of the knowledge and skills gained in the program. Upon graduation employment opportunities include ambulance services, fire and rescue agencies, hospitals, industry, and government agencies.

Required Courses – 47 credit hours

- EMS 1021 – EMT Fundamentals
- EMS 1022 – EMT Medical Emergencies
- EMS 1023 – EMT Trauma Emergencies
- EMS 1024 – EMT Special Considerations
- EMS 1127 – AEMT Special Considerations
- EMS 1125 – AEMT Fundamentals
- EMS 1129 – AEMT Pharmacology
- EMS 1132 – EMS IV/IO Therapy
- EMS 1133 – AEMT Medical Emergencies
- EMS 1135 – AEMT Trauma Emergencies
- EMS 1138 – Basic EMS Simulation Lab
- EMS 1140 – Advanced EMS Simulation Lab
- EMS 1070 – EMT Clinical Internship
- EMS 1071 – AEMT Clinical Internship
- EMS 1078 – EMS Seminar
- EMS 1081 – EMS Internship I
- EMS 1082 – EMS Internship II
- EMS 2070 – Clinical EMS Intermediate
- EMS 2079 – Seminar

General Education Requirements – 16 credit hours

- Communication – 3 credit hours
 - ENG – 1021 or higher
- Mathematics – 3 credit hours
 - MAT 1140 or above (MAT 1340 recommended)
- Arts and Humanities or Social and Behavioral Sciences – 3 credit hours
 - ART, FRE, GER, HUM, LIT, MUS, PHI, SPA, THE, ANT, ECO, HIS, POS, PSY, SOC
- Natural and Physical Sciences – 4 credit hours
 - BIO 1006
- Electives from any of the subjects below (1000 and above) - 3 credit hours
 - CIS 1018, ENG, COM, MAT, AGR, ARA, ART, ASL, FRE, GER, HUM, ITA, JPN, LIT, MUS, PHI, RUS, SPA, THE, AST, BIO, CHE, ENV, GEY, PHY, SCI, ANT, ECO, GEO, GIS, HIS, POS, PSY, SOC

Note: BIO 1111, 2101, and 2102 are recommended rather than BIO 1006. Consult your faculty advisor for more information about this option



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Course Sequence

This course sequence assumes a traditional fall semester (August) start date. For alternative sequences or start dates please contact your faculty advisor. A grade of C or higher in all EMS courses is required to remain enrolled.

Fall 1 (15 ch)

- EMS 1021 – EMT Fundamentals
- EMS 1022 – EMT Medical Emergencies
- EMS 1023 – EMT Trauma Emergencies
- EMS 1024 – EMT Special Considerations
- EMS 1070 – EMT Clinical Internship
- HPR 1011 – CPR For Professionals
- MAT 1140 – Career Math *

Spring 1 (16 ch)

- EMS 1125 – AEMT Fundamentals
- EMS 1127 – AEMT Special Considerations
- EMS 1129 – AEMT Pharmacology
- EMS 1132 – EMT IV/IO Therapy
- EMS 1133 – AEMT Medical Emergencies
- EMS 1135 – AEMT Trauma Emergencies
- EMS 1071 – AEMT Clinical Internship
- ENG 1031 – Technical Writing

Summer 1 (4 ch)

- BIO 1006 – Anatomy and Physiology**

Suggested Electives: PHI 1012, PSY 2440, PSY 2552, CHE 2111, CHE 2112, BIO 2104, BIO 2116

Fall 2 (14 ch)

- EMS 1138 – Basic Simulations
- EMS 1078 – EMS Seminar
- EMS 1081 – EMS Internship I
- EMS 2070 – Clinical EMS Intermediate
- General Elective (3 credit hours)

Spring 2 (14 ch)

- EMS 1140 – Advanced Simulations
- EMS 1082 – EMS Internship II
- EMS 2079 - Seminar
- Social Science Elective (3 credit hours)

Summer 2

- Paramedic Program

Course Substitutions

***Math 1140** will meet the basic requirements of this degree; however, it is a non-transferable course. Therefore, we recommend MAT 1340, college algebra, instead of MAT 1140.

****Biology 1006** – Anatomy and Physiology will meet the basic requirements of this degree. However only certain paramedic programs will accept this as a pre-requisite; therefore we highly recommend taking the following biology courses to meet the pre-requisites of all paramedic programs. Also take into consideration this is a non-transferable course, whereas the courses below will transfer to a four year university

- Summer 1: Social science elective, such as PSY 2440 or 2552
- Summer 1: Biology 1111 – General Biology (this is a pre-requisite to BIO 201 at some schools)
- Fall 2: Biology 2101 – Anatomy and Physiology 1 (This meets the natural sciences requirement)
- Spring 2: Biology 2102 – Anatomy and Physiology 2 (This meets the general elective requirement)