



Red Rocks Community College Fire and Emergency Services Associates of Applied Science



The Fire and Emergency Services degree is designed for those individuals who want to advance their education in the field of Emergency Medical Services and Fire Science Technology, we well as enhance their career opportunities. This degree allows the student to create a balanced degree within fire and EMS by combining core courses from each discipline and then choose specialized courses that meet their specific interests. Many Fire and Emergency Service agencies require degrees for promotion, use them in their hiring decisions, and provide a pay differential for a degree.

Required Courses – 24 credit hours

- FST 102 – Principles of Emergency Services
- FST 103 – Fire Behavior and Combustion
- FST 109 – Occupational Health and Safety
- FST 253 – Incident Command System*
- EMS 121 – EMT Fundamentals
- EMS 122 – EMT Medical Emergencies
- EMS 123 – EMT Trauma Emergencies
- EMS 124 – EMT Special Considerations
- EMS 170 – EMT Clinical Internship

*FST 253 may be replaced by EMP 109

Elective Courses – 21 credit hours

Any FST, EMP, EMS, or HPR course

General Education Courses – 16 credit hours

- Communication – 3 credit hours
 - ENG – 121 or higher
- Mathematics – 3 credit hours
 - MAT 107 or above (MAT 121 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 106
- Electives from any of the subjects below (100 and above) - 3 credit hours
 - CIS 118, 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

Suggested Electives: PHI 112, PSY 235, PSY 249, CHE 211, CHE 212, BIO 204, BIO 216



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Recommended Course Sequence

This course sequence assumes a traditional fall semester (August) start date. For alternative sequences or start dates please contact your faculty advisor.

Fall 1 (12 ch)

- EMS 121 – EMT Fundamentals
- EMS 122 – EMT Medical Emergencies
- EMS 123 – EMT Trauma Emergencies
- EMS 124 – EMT Special Considerations
- EMS 170 – EMT Clinical Internship

Spring 1 (13 ch)

- EMS 127 – AEMT Special Considerations
- EMS 129 – AEMT Pharmacology
- EMS 130 – EMT Intravenous Therapy
- EMS 131 – AEMT Fundamentals
- EMS 133 – AEMT Medical Emergencies
- EMS 135 – AEMT Trauma Emergencies
- EMS 171 – AEMT Clinical Internship

Summer 1 (10 ch)

- BIO 106 – Anatomy and Physiology
- MAT 107 – Career Math
- ENG 121 – English Composition

Fall 2 (15 ch)

- FST 100 – Firefighter I
- FST 107 – HazMat Operations
- General Elective

Spring 2 (15 ch)

- FST 102 – Principles of Emergency Services
- FST 103 – Fire Behavior and Combustion
- FST 109 – Occupational Safety and Health
- FST 253 – Incident Command Systems
- Social Science Elective