



## Red Rocks Community College Fire Science Technology Associates of Applied Science



The Fire Science Technology degree is designed for those individuals who want enter the fire service, or are currently employed and want to advance their education to enhance their career opportunities. This degree incorporates a comprehensive curriculum of fire prevention, protection, and leadership courses. Many fire agencies require degrees for promotion, use them in their hiring decisions, and provide a pay differential for a degree.

### Required Courses – 42 credit hours

- FST 100 – Fire Academy
- FST 102 – Principles of Emergency Services
- FST 103 – Fire Behavior and Combustion
- FST 105 – Building Construction for Fire
- FST 106 – Fire Prevention
- FST 107 – HazMat Operations
- FST 109 – Occupational Health and Safety
- FST 202 – Strategy and Tactics
- FST 204 – Principles of Code Enforcement
- FST 205 – Fire Investigation I
- FST 206 – Fire Officer Supervision
- FST 209 – Fire Protection Systems

### Elective Courses – 3 credit hours

- Any FST or EMS course

### General Education Courses – 15 credit hours

- English 121 – 3 credit hours
- Math 107 or higher (Math 121 recommended) – 3 credit hours
- 6 credits from any two of the three areas below
  - Arts and Humanities or Social and Behavioral Sciences
    - ART, FRE, GER, HUM, LIT, MUS, PHI, SPA, THE, ANT, ECO, HIS, POS, PSY, SOC
  - Natural and Physical Sciences
    - AST, BIO, CHE, ENV, GEY, MET, NRE, PHY, SCI
  - Social and Behavioral Sciences
    - AGR, ANT, ECO, GEO, GID, HIS, POS, PSY, SOC
- 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



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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.

### Semester 1 (15 ch)

- FST 102 – Principles of Emergency Services
- FST 103 – Fire Behavior and Combustion
- FST 105 – Building Construction for Fire
- FST 109 – Occupational Health and Safety
- ENG 121

### Semester 2 (15 ch)

- FST 106 – Fire Prevention
- FST 202 – Strategy and Tactics
- FST 209 – Fire Protection Systems
- FST or EMS Elective
- MAT 107 or higher (MAT 121 recommended)

### Semester 3 (15 ch)

- FST 100 – Fire Academy
- FST 107 – Hazmat Operations
- General Elective

### Semester 4 (15 ch)

- FST 204 – Principles of Code Enforcement
- FST 205 – Fire Investigation I
- FST 206 – Fire Officer Supervision and Leadership
- General Elective
- General Elective