

## Fire Science Technology Degree (FS)

Often first at the scene of a fire, traffic accident, or medical emergency, firefighters protect the public by fighting fires, treating injuries, and performing other vital functions. This program meets the needs of firefighters with relevant coursework in building construction, fire prevention, fire investigation, and more. The Fire Science program accepts certain courses in transfer from the Mass. Fire Academy. This program is for those working in the field as well as those interested in pursuing it.

MWCC has adopted the Fire and Emergency Services Higher Education (FESHE) Model curriculum. These courses form a national curriculum with recognition from the National Fire Academy.

Number	Suggested Course Order	Cr	Semester	Grade	Prerequisites/Notes
CIS127	Computer Technologies	3			ENG100, RDG100, FYE101, or placement
ENG101	English Composition I	3			ENG100, RDG100, FYE101, or placement
FST153	Fire Protection Systems	3			ENG100, RDG100, FYE101, or placement
FST159	Fire Behavior and Combustion	3			ENG100, RDG100, FYE101, or placement
FST155	Principles of Emergency Services	3			ENG100, RDG100, FYE101, or placement
FST158	Principles of Firefighter Safety and Survival	3			ENG100, RDG100, FYE101, or placement
FST157	Fire Prevention	3			ENG100, RDG100, FYE101, or placement
ENG102	English Composition II	3			ENG101
FST151	Building Construction	3			FST155 or permission of division dean
FST154	Hazardous Materials Chemistry	3			ENG100, RDG100, FYE101, or placement
FST152	Strategy and Tactics	3			FST159
FST162	Fire Hydraulics and Water Supply	3			MAT096 or placement, FST155
FST161	Legal Aspects of Emergency Services	3			ENG100, RDG100, FYE101, or placement
FST163	Fire Investigation I (First Responder)	3			FST151, 155, 159; or permission of instructor
FST160	Fire and Emergency Services Administration	3			FST155
MAT126	Topics in Mathematics (or higher)	3			MAT096 or placement
HCC111	Emergency Medical Technician I	4			ENG100, RDG100, FYE101, or placement.
HCC112	Emergency Medical Technician II	4			HCC111 or placement
	Humanities Elective	3			<b>Electives:</b> ART, ASL, ENG, FRE, HUM, MUS, PHL, SPA, THE
	Science Elective	3/4			<b>Electives:</b> BIO, BTC, CHE, EAS, EGM, NRD, PHY
	Social Science Elective	3			<b>Electives:</b> ANT, DSI, PSY, SOC, GEO, HIS, POL, ECO, SSC
	Professional Elective	3			Includes any FST course and SOC212, CJU133, or CJU134
<b>Total: 67/69 credits</b>					

See page 119 of the college catalog for program competencies and technical standards.

**Campus/format:** A majority of this program can be completed during the evening at the Gardner Campus or online.

**Helpful hints:** Many fire departments require the civil service exam. Also, student should consider completing EMT certification since fire departments respond to non-fire emergencies.

**Transfer options:** Many remain in or enter the fire science field. However, students have also transferred to Anna Maria College, which has a related program in Fire Science. Transfer agreements exist with Anna Maria College, Charter Oak State College, and the University of Phoenix (some restrictions apply; check with your advisor or transfer services).

Visit MWCC's transfer services website:  
<http://transfer.mwcc.edu>.

3 Plus ONE eligible—go to: [www.mwcc.edu/3PlusONE](http://www.mwcc.edu/3PlusONE)

**Special requirements:** Technical standards must be met with or without accommodations.

**Career options:** After passing the required exams, graduates can become fire fighters, and/or higher (i.e., fire lieutenant, fire captain, fire prevention/code inspector). Careers in the insurance industry, loss prevention, and occupational safety may also be options.

**Earning potential:** \$31,991 to \$56,808 per year.