

## Requirements for the Associate in Applied Science (AAS) in Fire Science

Curriculum: OCC 550	Credit Hours		
General Education Core			
<b>Communications</b> 2 courses SPE 151 required; ENG 151 recommended	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
<b>Humanities &amp; Fine Arts</b> 1 course	3	<b>Humanities</b> <i>Select from the following prefixes or course numbers:</i> ENG (does not include: 105, 151, 152, 088-099) FRE GER (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing PHI (4) SPA 151 Elementary Spanish I (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (4) SPA 252 Intermediate Spanish II (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication	<b>Humanities cont'd.</b> (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation <b>Fine Arts</b> <i>Select from the following prefixes or course numbers:</i> ART (does not include: 166, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 167 Graphic Design I (3) DGM 168 Computer Art I (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 160, 161, 162, 201-218) THE
<b>Mathematics, Physical or Life Sciences</b> 1 course	3	<b>Mathematics</b> <i>Select from the following prefixes or course numbers:</i> MAT (100-level or above) <b>Sciences</b> <i>Select from the following prefixes or course numbers:</i> BIO CHM	<b>Sciences cont'd.</b> EAS (3) GEG 101 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment GEL (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY
<b>Social and Behavioral Sciences</b> 1 course	3	<i>Select from the following prefixes or course numbers:</i> ANT ECO (3) GEG 202 Geog. of Developed World (3) GEG 203 Geog. of Developing World (3) GEG 204 Economic Geography	HIS PLT PSY SOC
<b>Program Core</b>	30	(3) CIS 110 Computer Literacy (3) EMS 105 First Responder Emergency Aid (3) FRS 101 Intro to Fire Science (3) FRS 121 Fire Suppression (3) FRS 122 Building Construction-Fire Science (3) FRS 123 Fire Protection Systems	(3) FRS 220 Fire Service Management I (3) FRS 223 Fire Service Tactics & Strategies I (3) FRS 224 Fire Prevention Principles I (3) MAT 150 Elements of Mathematics <b>or</b> (3) MAT 161 College Algebra
<b>Program Electives</b> 16 credit hours	16	(7) EMS 110 EMT – Basic (2) FRS 100 Intro to Emergency Services (15) FRS 150 Firefighter Basic (3) FRS 221 Fire Service Management II (3) FRS 222 Fire Service Instructor I (1-6) FRS 250 Fire Science Internship	(3) FRS 252 Haz-Mat First Responder – Operations (2.5) FRS 253 Fire Apparatus Engineer (3) MGT 150 Principles of Management (3) PHI 255 Living with Death (3) SPE 155 Interpersonal Communication
<b>Total Degree Credits</b>	61		

**NOTE:** Students can apply credit toward an MCC degree or certificate with FRS 150 or 252, but not both.

**Other AAS Graduation Requirements:**

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of Intent to Graduate form

## Requirements for the Firefighter Basic Certificate

The Firefighter Basic Certificate Program prepares individuals who are affiliated with a fire department to sit for the Office of the State Fire Marshal (OSFM) Firefighter Basic Exam. Knowledge and skills required for fire suppression activities are the focus of this certificate.

Curriculum: OCC 551	Credit Hours	
Program Core	15	(15) FRS 150 Firefighter Basic
Total Certificate Credits	15	

**NOTE:** Individuals participating in coursework for the Firefighter Basic Certificate must be affiliated with a fire department as required by the Illinois Administrative Code, which may require meeting that department's physical

ability standards. Sponsoring agency must have an equipment agreement on file with the College's Business Service Office.

## Requirements for the Fire Officer I Certificate

The Fire Officer I Certificate Program prepares individuals and fire service personnel with the knowledge required for managing, instructing, developing tactical strategies and basic fire principles.

Curriculum: OCC 552	Credit Hours	
Program Core	21	(3) FRS 101 Intro to Fire Science (3) FRS 121 Fire Suppression (3) FRS 220 Fire Service Management I (3) FRS 221 Fire Service Management II (3) FRS 222 Fire Service Instructor I (3) FRS 223 Fire Service Tactics & Strategies I (3) FRS 224 Fire Prevention Principles I
Total Certificate Credits	21	

**NOTE:** FRS 101 and FRS 121 not required by OSFM.

**NOTE:** To challenge the five OSFM Exams, an individual must be affiliated with a fire department as required by the Illinois Administrative Code and be certified as an Illinois Firefighter Basic.

### Other Requirements:

Some fire science courses offered are eligible for state certification. Upon successful completion, qualified students who are engaged in an organized Illinois fire department as a fire protection person or trainee according to the Illinois Administrative Code (Chapter 85, Section 140.50a, Paragraph 521 et seq.) as attested to by the Illinois Fire Chief of the individual seeking certification may challenge the OSFM Certification Exams. Here are the courses and corresponding exams:

Course(s)	OSFM Exam(s)
FRS 150	Firefighter Basic
FRS 220	Fire Officer Management I
FRS 221	Fire Officer Management II
FRS 222	Fire Officer Instructor I
FRS 223	Fire Officer Tactics & Strategies I
FRS 224	Fire Prevention Principles I

FRS 252 Haz-Mat First Responder Operations

FRS 253 Fire Apparatus Engineer

### Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, *all* required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of Intent to Graduate form

**For more information, contact the department chair: (815) 455-8565.**