

Associate of Applied Science in Fire Science
Program of Study (for students matriculating Fall 2020; (20Apr02)

Required Fire/EMS Courses (31 Credits Required)	Required General Education Courses (13 Credits Required)
<p>_____ FIRE 105 Fire Studies + FIGS 101 Stayin' Alive (4) (F+S)</p> <p>_____ FIRE 110 Fire Protection Systems (F)</p> <p>_____ FIRE 115 Building Construction (F)</p> <p>_____ FIRE 120 Fire Behavior (S), CHEM 102 (S) or A+P II w/Lab</p> <p>_____ FIRE 150 Fire Inspector (S)</p> <p>_____ FIRE 155 Fire Service Hydraulics (S)</p> <p>_____ FIRE 200 *Hazardous Materials (F)</p> <p>_____ FIRE 215 *Fire Service Leadership (F) (<i>Writing-Intensive</i>)</p> <p>_____ FIRE 250 *Fire Ground Operations (S)</p> <p>_____ FIRE 260 Fire Administration (S) (<i>Writing-Intensive</i>)</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p align="center">Required Fire/EMS Career Fundamental (6 Credits Required)</p> </div> <p>_____ FIRE 106 Firefighter 1+2 (6 credits) (F), or</p> <p>_____ ¹ EMST 125 Emergency Medical Tech. (6 credits) (B)</p> <p><i>*EMST 200+201 Advanced EMT can be substituted for these courses.</i></p> <p><i>Schedule Priority 1</i></p>	<p>_____ CHEM 103 Chem. for Emer. Resp. w/Lab (4), or</p> <p>¹ <i>BIOL 132 Anatomy & Physiology I w/Lab (4)</i></p> <p>_____ ¹ ENGL 100 English Composition</p> <p>_____ ENGL 115 Intro. to Literature</p> <p>_____ ¹ MATH 130 Tech Math (or 140 College Algebra)</p> <p><u>College Prep Courses (if required by SMCC Admissions)</u></p> <p>_____ ENGL 020, Intermediate Academic Reading</p> <p>_____ ENGL 025 Intermediate Academic Writing</p> <p>_____ ENGL 030 Academic Grammar</p> <p>_____ ENGL 090 Advanced Academic Reading</p> <p>_____ ENGL 095 Advanced Academic Writing</p> <p>_____ MATH 030 Mathematical Literacy (for 130), or</p> <p>_____ MATH 050 Beginning Algebra (for 140)</p> <p><i>Schedule Priority 2</i></p>
Elective Fire /EMS Courses (3 Credits)	Social Science / Arts & Humanities Electives (9 Credits)
<p>_____ PUBS 104 Pub. Safety Telecommunicator-Basic (B)</p> <p>_____ FIRE 125 Fire Practicum (1 credit per semester) (B) <i>(May be repeated up to 4 times)</i></p> <p>_____ FIRE 145 Firefighter Safety, Survival & Wellness (S)</p> <p>_____ FIRE 151 Certified Fire Inspector I Workshop 1 cr. (Su)</p> <p>_____ FIRE 160 Fire Investigation I (F)</p> <p>_____ FIRE 165 Intro. to Wildland Fire (S)</p> <p>_____ EMST 200+201 Advanced EMT (12 cr.) (2-semester)</p> <p>_____ FIRE 205 Fire & Life Safety Educator (every other Fall)</p> <p>_____ FIRE 210 Fire Instructor (S)</p> <p>_____ FIRE 216 Leadership Lab - Peer Mentoring (1 cr.) (F)</p> <p>_____ FIRE ELE (MFSI Fire Officer II Cert. – transfer from MFSI)</p> <p><i>Schedule Priority 3</i></p>	<p>_____ PSYC 100 Intro to Psychology (B)</p> <p>_____ Social Science Elective (B) _____</p> <p>_____ Arts/Humanities Elective (B) _____</p> <p><u>Social Science Disciplines:</u> ANTH, ECON, HIST, HUMA 140, IDST 140 + 170, POLS, PSYC, SOCI</p> <p><u>Arts/Humanities Disciplines and Courses:</u> ARTS, ARTH, CNMS 111, CNMS 115, ENGL, FREN, GRMN, HUMA 140, IDST 120, 140, 150 + 160, MATH 120, MUSI, PHIL, SPAN, THEA, ARTA, ARAB, CHIN</p> <p><u>Classes Generally Offered</u> F = Fall Semester Su= Summer Semester S = Spring Semester B = Both Fall + Spring Semesters</p> <p><i>Schedule Priority 4</i></p>

Important Notes: (Meet with Your Academic Advisor at Least Once Each Semester)

- Most courses 3 credits (3 classroom contact hours + 3-6+ hours of homework per week)
- Only 100- and 200-level courses count toward the Certificate and/or AAS Degree.
- Students must meet credit totals in each of the four categories (including 7 credits of Science) to earn AAS degree.
- Courses in **bold type** (plus 1 fire-EMS elective) required for 25 credit Firefighter/EMT Academic Certificate
- ¹ Prereq's for Paramedicine (C or higher grade/course): ENGL 100, MATH 130/140, BIOL 132 + EMT License
- *Writing Intensive course prerequisite: ENGL 100 English Composition.*
- *PUBS + EMST courses can substitute for Fire Science Electives.*
- *Student must matriculate as FS student and complete at least one SMCC credit course per year to "lock in" his/her Program of Study (POS). Otherwise, will be considered new student and must meet updated POS.*

Associate of Applied Science (AAS) in Fire Science

Recommended Program Pathway – *Some Changes in Progress* (20Apr02)

Please note: “Or” listed below only designates schedule options, not course substitutions. You must meet all Firefighter/EMT Cert. or Fire Science AAS requirements regardless of the order you take the courses.

Group 1	Course #	Course Title	Credits
1 ST YEAR Fall Semester	FIRE 105	Fire Studies + <i>Stayin’ Alive</i> FIG	4
	FIRE 106, or	Firefighter 1+2	6
	FIRE 110	Fire Protection Systems	Or 3
	FIRE 115	Fire Service Building Construction	Or 3
	MATH 130	Tech. Math or College Algebra (<i>or College Prep Math</i>)	<u>3</u>
			13-16
Group 2	Course #	Course Title	Credits
1 ST YEAR Spring Semester	FIRE 120	Fire Behavior & Combustion or CHEM 102	3
	FIRE 150	Fire Inspector	3
	FIRE 155	Fire Service Hydraulics	3
	ENGL 100	English Composition (<i>or College Prep English</i>)	3
	EMST 125	EMT (recommended) or A+P 1 w/Lab	<u>4 - 6</u>
			16 - 18
Group 3	Course #	Course Title	Credits
2 ND YEAR Fall Semester	EMST 200	AEMT 1 (or FIRE 200 + 245)	6
	FIRE 200	Hazardous Materials	Or 3
	FIRE 215 + 216	Fire + EMS Leadership + Peer Mentoring Lab	Or 3+1
	PSYC 100	Introduction to Psychology	3
	ENGL 115	Introduction to Literature	<u>3</u>
			16-19
Group 4	Course #	Course Title	Credits
2 ND YEAR Spring Semester	EMST 201	AEMT 2 (or FIRE 250)	6
	FIRE 250	Fireground Operations	Or 3
	CHEM 103	CHEM for Emerg. Response w/Lab (or A+P I w/Lab)	4
	FIRE 260	Fire Administration or Community Risk Reduction	3
	SOCI 100	Introduction to Sociology (<i>or Social Science elective</i>)	3
	ARTS 150 or PHIL 155	Metal Arts (<i>or Principled Leadership – Philosophy in Action</i>) (<i>or Arts/Humanities elective</i>)	<u>3</u>
			16-19
		Total Credits Required for A.A.S. Degree	62

- Recommend limited 1st semester load (13 – 14 credits) for students transitioning for high school.
- SMCC requires Math for all 1st semester students.
- Taking EMT is generally not a good idea in the 1st semester.
- Many Fire Science students take more than 4 semesters to complete their degree. In general, take courses in order listed above regardless of your pace.
- *Fire & EMS AAS Degree Options (In development) will include Fire-Rescue Concentration or Fire-EMS Concentration (see detail in Groups 3+4 above).*
 - *Meet with your academic advisor at least every semester before registering for courses!*