Catalog Description:
The Fire Science Technology program encompasses both fire fighting and emergency medical services. The Fire Science degree focuses on the theory and techniques of fire fighting, inclusive of the Emergency Medical Technician curriculum, required by most fire departments. After completion of the degree, state certifications may be awarded through the Office of the State Fire Marshal (OSFM) if state requirements are met. The Fire Science Technology degree requires a minimum of 64 credits in program requirements, program electives, electives and general education in the courses listed below.

Program Requirements ...........................................21
Fire 1100 Introduction to Emergency Services ............3
Fire 1112* Principles of Fire Prevention .................3
Fire 2201 Extinguishing and Alarm Systems ..........3
Fire 2210 Fire Apparatus ..................................3
Fire 2213* Principles of Fire Behavior and Combustion ..3
Fire 2215* Building Construction .......................3
Fire 2218* Principles of Fire and Emergency Services Safety and Survival .....................3

Program Electives .............................................14
Select 14 credits from any 1000 or 2000-level Fire Science courses.
Fire 1101* Basic Operations Firefighter-Mod A ............6
Fire 1102* Basic Operations Firefighter-B ....................6
Fire 1103* Basic Operations Firefighter-C .....................6
Fire 1104* Advanced Technician Firefighter ..............4
Fire 1111* Fire Prevention I ................................3
Fire 1120 Codes and Laws ..................................3
Fire 2211* Fire Apparatus Engineer .....................3
Fire 2221* Tactics I ..........................................3
Fire 2222* Tactics II .........................................3
Fire 2230* Hazardous Materials Awareness ............3
Fire 2231* Hazardous Materials Operations .............3
Fire 2232* Hazardous Materials Technician A .........3
Fire 2233* Hazardous Materials Technician B ........3
Fire 2240 Industrial Safety ................................3
Fire 2251* Fire Leadership I ................................3
Fire 2252* Fire Leadership II .............................3
Fire 2253* Fire Leadership III .............................3
Fire 2254* Fire Leadership IV .............................3
Fire 2255 Fire Service Instructor I .......................3
Fire 2256* Fire Service Instructor II ....................3
Fire 2260* Fire Investigation ................................3
Fire 2261* Fire/Arson Investigation I ....................3
Fire 2262* Fire/Arson Investigation II ...................3
Fire 2263* Fire/Arson Investigation III ..................3
Fire 2266* Technical Rescue Awareness (TRA) ..........1
Fire 2267* Fire Service Vehicle Operator ...............1
Fire 2271* Emergency Medical Technician ............10
Fire 2272* Paramedic Transition .........................3

Suggested Course Sequence
(Full-Time Enrollment)
Please note: A student’s readiness to perform college-level coursework is based on the student’s placement test and/or ACT scores. Below 1000 level coursework may be required prior to the student taking courses in the suggested sequences.

Fall Semester (16 credits)
• Fire 1100 (3)
• Fire 2271 (10)
• Engli 1101 or 1105 (3)

Spring Semester (13 credits)
• Fire 2272 (3)
• Fire 2285 (3)
• Fire 2286 (3)
• Anat 1500 (4)

Summer Term (7 credits)
• Hlths 1110 (3)
• Specie 1100 or 1120 or 1150 (3)

Fall Semester (15 to 17 credits)
• Fire 1112 (3)
• Fire 2201 (3)
• Fire 2213 (3)
• Fire 2215 (3)
• Mathematics (3 to 5)

Spring Semester (14 credits)
• Fire 2210 (3)
• Fire 2218 (3)
• Humanities & Fine Arts (3)
• Social & Behavioral Sciences (3)
• Elective (2)

For more information:
If you are considering this program as an area of study, please contact Health and Biological Sciences Division office at 630-942-8331.

Program web site:
http://www.cod.edu/programs/fire/
Fire 2273* Vehicle and Machinery Operations ............3
Fire 2282* EMT Instructor Training ..........................3
Fire 2283 Emergency Medical Responder .................5
Fire 2285* Trauma Assessment ..............................3
Fire 2286* Pediatric Education for Prehospital Professionals .................................................3
Fire 2287* Differential Medical Assessment ...............3

* - course has a prerequisite

Electives  .............................................................................11
Select from any 1000- or 2000-level courses. (In addition to the courses listed below.)

General Education ..........................................................18 to 22
Each candidate for an Associate in Applied Science (A.A.S.) degree shall satisfactorily complete a minimum of 18 credits in General Education. (In addition to the courses listed below.)

Under the specified General Education headings below, the following courses are required:

Communication: 6 credits
Written: (3 credits) English 1101 or 1105
Oral: (3 credits) Speech 1100, 1120 or 1150

Physical and Life Sciences: 3 to 5 credits
At least one course with a laboratory component

Mathematics: 3 to 5 credits
Select a minimum of 3 credits (1000 level or above).
Select Mathematics 1102, 1104 or 1120 only where required in the degree program. Only one from the following three courses may count toward overall degree requirement credit: Mathematics 1635, Psychology 2280 or Sociology 2205. Only one of the following courses may count toward overall degree credit: Mathematics 1428 or Mathematics 1431.

Humanities and Fine Arts: 3 credits

Social and Behavioral Sciences: 3 credits

Complete at least 2 credits from the list of courses in the Global/Multicultural Studies or Contemporary Life Skills Category

TOTAL CREDITS FOR AAS DEGREE
64 to 68
Career Information FIRE.AAS

Job Title(s): Emergency Medical Technicians
Emergency Medical Technician (EMT)

For salary and wage information, please visit: www.onetonline.org

If you would like information regarding internships, resume development, interviewing and job search skills, please contact the Career Services Center
Phone: 630-942-2230
www.cod.edu/careerservices
Twitter: @codcareercenter

Related Occupations:
Respiratory Therapists
Registered Nurses
Municipal Firefighters
Fire Inspectors
Sheriffs and Deputy Sheriffs
Police Patrol Officers
Occupational Health and Safety Technicians
Licensed Practical and Licensed Vocational Nurses
Catalog Description:

The Emergency Medical Services degree includes theory and techniques of fire fighting, inclusive of the Emergency Medical Technician curriculum, required by most fire departments. The program focuses on emergency medical services and the administration of those services in any setting. After completion of the degree and all of the objectives of the Illinois Department of Public Health are passed, the student is allowed to take the State of Illinois Paramedic Licensing exam. This degree requires a minimum of 65 credits in program requirements and general education in the courses listed below.

Program Requirements ..................................................57

- Fire 2274* Paramedic I .................................................8
- Fire 2275* Paramedic II ...............................................6
- Fire 2276* Paramedic III ..............................................8
- Fire 2277* Paramedic IV ..............................................8
- Anat 1500* Survey of Human Anatomy and Physiology ... 4
- Engli 1101* English Composition I ..............................3
- Fire 2251 Fire Leadership I ...........................................3

OR
- Manag 1100 Supervision ...............................................3
- Fire 2252 Fire Leadership II ........................................3

OR
- Manag 2210 Principles of Management ..........................3
- Fire 2253 Fire Leadership III ........................................3

OR
- Manag 2220 Organizational Behavior .............................3
- Fire 2254 Fire Leadership IV ........................................3

OR
- Manag 2240 Human Resource Management ..................3
- Psych 1100* General Psychology .................................3
- Spec 1100* Fundamentals of Speech Communication .......3

* - course has a prerequisite

General Education .........................................................8 to 10

Each candidate for an Associate in Applied Science (A.A.S.) degree shall satisfactorily complete a minimum of 18 credits in General Education. (In addition to the courses listed below.)

For the Emergency Medical Services degree, some General Education courses are already listed under program requirements. Therefore, students need a minimum of 8 credits besides those listed under program requirements.

Under the specified General Education headings below, the following courses are required:

Suggested Course Sequence (Full-Time Enrollment)

Please note: A student’s readiness to perform college-level coursework is based on the student’s placement test and/or ACT scores. Below 1000 level coursework may be required prior to the student taking courses in the suggested sequences.

*Course Offering may change semester to semester. General Education courses are already listed under program requirements. Therefore, students only need a minimum of 8 credits besides those listed.

Pre-Admission Courses

Student must be accepted by an affiliated Paramedic Program to enroll in Fire 2274, 2275, 2276, & 2277. General Education Requirements and Program Requirements may be completed prior to Paramedic Training. Paramedic Training Courses through College of DuPage and its’ affiliates begin at different times of the year, which will alter the course sequencing below. Depending on start and end dates, some Paramedic Training sections may be split over 2 semesters. 32 total credits are earned during Paramedic Training. Contact Fire/EMS Division manager for clarification and guidance.

Professional Course Sequence

First Semester (12 credits)

- Fire 2274 (8)
- Fire 2275 (4)

Second Semester (8 credits)

- Fire 2276 (4)
- Fire 2277 (4)

Third Semester (12 credits)

- Fire 2276 (4)
- Fire 2277 (8)

Fourth Semester (16 to 18 credits)

- Anat 1500 (4)
- Engli 1101 (3)
- Fire 2251 (3) or Manag 1100 (3)
- Mathematics (3 to 5)
- Humanities & Fine Art (3)
Communication: 6 credits
Written: (3 credits) English 1101 or 1105
(English 1101 in program requirements fulfills this requirement)
Oral: (3 credits) Speech 1100, 1120 or 1150
(Speech 1100 in program requirements fulfills this requirement)

Physical and Life Sciences: 3 to 5 credits
At least one course with a laboratory component
(Anatomy & Physiology 1500 in program requirements fulfills this requirement)

Mathematics: 3 to 5 credits
Select a minimum of 3 credits (1000 level or above).
Select Mathematics 1102, 1104 or 1120 only where required in the degree program. Only one from the following three courses may count toward overall degree requirement credit: Mathematics 1635, Psychology 2280 or Sociology 2205. Only one of the following courses may count toward overall degree credit: Mathematics 1428 or Mathematics 1431.

Humanities and Fine Arts: 3 credits

Social and Behavioral Sciences: 3 credits
(Psychology 1100 in program requirements fulfills this requirement)
Complete at least 2 credits from the list of courses in the Global/Multicultural Studies or Contemporary Life Skills Category.

TOTAL CREDITS FOR AAS DEGREE
65 to 67

Fifth Semester (11 credits)
- Psych 1100 (3)
- Speec 1100 (3)
- Fire 2252 (3) or Manag 2210 (3)
- Global/Multicultural Studies or Contemporary Life Skills (2)

Additional or Summer Semester (6 credits)
- Fire 2253 (3) or Manag 2220 (3)
- Fire 2254 (3) or Manag 2240 (3)

For more information:
If you are considering this program as an area of study, please contact Health and Biological Sciences Division office at 630-942-8331.

Program web site:
http://www.cod.edu/programs/fire/
Career Information FIRE .AAS.EMS

Job Title(s): Emergency Medical Technician and Paramedic
Emergency Medical Technician (EMT); Emergency Medical Technician, Basic (EMT, B); EMT Intermediate (Emergency Medical Technician, Intermediate); EMT, Paramedic (Emergency Medical Technician, Paramedic); EMT/Dispatcher (Emergency Medical Technician/Dispatcher); Emergency Medical Technician/Driver (EMT/DRIVER); First Responder; Flight Paramedic; Multi Care Technician (Multi Care Tech); Paramedic

For salary and wage information, please visit: www.onetonline.org

If you would like information regarding internships, resume development, interviewing and job search skills, please contact the Career Services Center
Phone: 630-942-2230
www.cod.edu/careerservices Twitter: @codcareercenter

Related Occupations:
Respiratory Therapists Registered Nurses
Municipal Firefighters Fire Inspectors
Sheriffs and Deputy Sheriffs Police Patrol Officers
Occupational Health and Safety Licensed Practical and Licensed Vocational Nurses
Technicians