



Fire Science Technology

Every year, fires and other emergencies take thousands of lives and destroy property worth billions of dollars. Firefighters help protect the public against these dangers by rapidly responding to a variety of emergencies. They are frequently the first emergency personnel at the scene of a traffic accident or a medical emergency and may be called upon to put out a fire, treat injuries or perform other vital functions.

Firefighting involves hazardous conditions and long, irregular hours. About nine out of 10 firefighting workers are employed by municipal or county fire departments. Applicants for municipal firefighting jobs generally must pass written, physical and medical examinations. Although employment is expected to grow faster than average, keen competition for jobs is expected because this occupation attracts many qualified candidates.

Application deadlines

- Applications are due one week before classes start.
- New classes start every quarter.

Schedule changes (such as dropping a course) are the responsibility of the student. The changes must follow College procedures, refund policies and deadlines at all times. Students are not always entitled to refunds for classes that are dropped, depending on when the courses are dropped. Students are responsible for any tuition and fees that are not refunded.

Admission process

Students admitted to the Fire Science Technology program must:

- Hold a current driver's license and be able to pass a physical exam performed by the MCC Fire Science medical director
- Obtain an application packet from any Student Services location or online at mccneb.edu
- Submit completed application to the Health Careers office, South Omaha Campus, Mahoney Building, room 519 or mail to:

Metropolitan Community College
Health Careers
P.O. Box 3777
Omaha, NE 68103-0777

It is recommended students keep a copy of all required paperwork. Copies of paperwork will not be available after the end of the quarter.

EMSP 1000 is not required for FIST, however it is the proper CPR credential needed for Paramedicine and EMT. If a student is interested in going on to Paramedicine and EMT, EMSP 1000 will be required. The director of the FIST program will work with the student on substituting EMSP 1000 for EMSP 1010 if needed.

Requirements

General Education requirements

27.0 credit hours

| | | |
|-----------|---|-----|
| ENGL 1010 | Level I English (or ENGL 1220, ENGL 1225, ENGL 1230) | 4.5 |
| ENGL 1020 | Level II English (or ENGL 1240, ENGL 1245) | 4.5 |
| | Social Science Elective | 4.5 |
| INFO 1001 | Information Systems and Literacy | 4.5 |
| MATH 1240 | Applied Mathematics (or higher) | 4.5 |
| HMRL 1010 | Human Relation Skills or College Strategies RDLS 1200 | 4.5 |

Note: Any student who wants to substitute a class for one of the above classes must complete a Substitution Request Form.

Major requirements

72.0 credit hours

| | | |
|------------|--|------|
| EMSP 1010 | Heartsaver First Aid with CPR and AED, or EMSP 1000 (with substitution ppwk) | 1.0 |
| FIST 1000 | Principles of Emergency Services | 3.0 |
| FIST 1020 | Fire Behavior and Combustion | 4.0 |
| FIST 1030 | Hazardous Materials Chemistry | 3.0 |
| FIST 1040 | Principles of Property and Casualty Insurance | 3.0 |
| FIST 1050 | Building Construction for Fire Protection | 3.0 |
| FIST 1060 | Occupational Safety and Health for Emergency Services | 3.0 |
| FIST 1070 | Fire Protection Systems | 3.0 |
| FIST 1080 | Fire Protection Hydraulics and Water Supply | 4.0 |
| FIST 1090 | Firefighter I | 10.0 |
| FIST 1480* | Physical Training Fire/EMS* | 3.5 |
| FIST 2000 | Incident Command System | 3.0 |
| FIST 2010 | Fire Investigation I | 3.0 |
| FIST 2011 | Fire Investigation II | 3.0 |
| FIST 2020 | Fire Prevention, Inspection and Codes | 4.0 |
| FIST 2030 | Legal Aspects of Emergency Services | 3.0 |
| FIST 2040 | Principles of Fire and Emergency Services Safety and Survival | 3.0 |
| FIST 2050 | Introduction to Fire and Emergency Services Administration | 3.0 |
| FIST 2060 | Strategy and Tactics | 4.0 |
| FIST 2069* | Hazardous Materials Awareness* | 3.0 |
| FIST 2070 | Hazardous Materials Operations | 3.5 |
| FIST 2080* | Hazardous Materials Technician* | 8.0 |
| FIST 2090 | Firefighter II | 5.5 |

*FIST 1480, FIST 2069 and FIST 2080 are not required for the degree; credits from these courses will not apply toward the associate degree.

Note: FIST 2070 – Hazardous Materials Operations is a prerequisite or corequisite for FIST 1090 – Firefighter I. Students must take FIST 2070 before or at the same time as FIST 1090.

Contact

Metropolitan Community College
Health Careers
P.O. Box 3777
Omaha, NE 68103-0777
531-MCC-4791

Admission requirements

The following requirements must be met to be considered for admission:

- Apply to Metropolitan Community College
- Submission of a completed application form
- Proof of age (minimum 18)
- Minimum MCC GPA of 2.0
- Completion of high school diploma or GED
- Ability to pass an NFPA 1582 physical administered by MCC Fire Science medical director
- Capable of the duties and requirements in the functional description of a firefighter (signed technical standards form)

Revised: June 2019



FIRE SCIENCE TECHNOLOGY APPLICATION FORM

Personal (print or type)

For office use only
Student ID# _____

- Associate Degree in Fire Science Technology
- Professional Health Studies Degree
(For students who cannot meet technical standards of a firefighter)

Full legal name _____
(last) (first) (full middle) (maiden)

MCC student ID, Social Security, or I-94 number _____

Home address _____
(street) (city) (state) (ZIP)

Employer _____
(name) (city) (state)

Telephone _____
(home) (work) (cell)

Email _____

Gender: male female Birth date _____
(month) (day) (year)

Marital status:
 single married widowed divorced

U.S. citizen: yes no
If no, type of visa: student permanent other _____

Have you previously enrolled at MCC? no yes dates _____

When do you wish to enter? fall winter spring summer year _____

Do you have a high school diploma or GED year received _____

Name of granting institution _____

Address of granting institution _____
(city) (state)

Colleges previously attended

In order to complete the application process, all colleges/universities you have attended must send an official academic transcript to transcripts@mccneb.edu or Metropolitan Community College, Attn: Records, P.O. Box 3777, Omaha, NE 68103-0777.

| College | City/State | Dates attended |
|----------|------------|----------------|
| 1. _____ | _____ | _____ |
| 2. _____ | _____ | _____ |
| 3. _____ | _____ | _____ |
| 4. _____ | _____ | _____ |



FIRE SCIENCE TECHNOLOGY APPLICATION FORM

Furnishing the following information is not a requirement for admission and will not be used in admission discussions. The data will be used for statistical purposes only.

Are you:

- Hispanic/Latino
- Non-Hispanic/Latino

For those individuals who are non-Hispanic/Latino, select one or more of the following:

- American/Alaska Native
- Asian
- Black or African American
- Hawaiian/Pacific Islander
- White

I certify that to the best of my knowledge, the information furnished in this application is true and complete. I agree that if such information or any other information upon which my admission is based is not true or complete, the College may rescind my acceptance. I further agree that I will abide by the rules and regulations of the College, including but not limited to those rules contained in the current College catalog.

I acknowledge that all official transcripts that I forward to the College become the property of the College, and will not be forwarded to another institution or returned to me.

Applicant's signature _____ Date _____

Nondiscrimination and Equal Opportunity Statement

Metropolitan Community College affirms a policy of equal education, employment opportunities and nondiscrimination in providing services to the public. To read our full policy statement, visit mccneb.edu/nondiscrimination.



All Fire Science students are required to meet definite standards for the profession and for practical application. The following are specific requirements of all students:

- Ability to stand, sit, walk, push and squat.
- Ability to lift and/or carry 125 pounds.
- Ability to reach in forward, lateral and overhead motions.
- Ability to climb stairs.
- Ability to distinguish distance, colors, objects and persons.
- Ability to demonstrate depth perception.
- Ability to hear conversation, monitor equipment, perform auscultation, use telephone and distinguish background noise.
- Ability to distinguish sharp/dull and hot/cold.
- Ability to perform fine and gross motor skills with both hands.
- Ability to think clearly and calmly in stressful situations.
- Ability to communicate effectively, both verbally and in writing, using appropriate grammar, spelling and vocabulary.
- Ability to work cooperatively with others.

I have read the above technical standards and acknowledge that I can comply with each of them.

Applicant signature

Date



Associate Degree in Fire Science Technology

Professional Health Studies Degree

(For students who cannot meet technical standards of a fire fighter)

Quarter: fall winter spring summer year _____

Student name _____ Student ID _____

For Fire Science Technology program:

- Completed, signed and dated application form
- Signed Fire Science program technical standards form
- Proof of age (copy of driver's license; must be a minimum of 18 years of age)
- All official transcripts sent to MCC Records at:
transcripts@mccneb.edu **-or-**
Metropolitan Community College
Records office
P.O. Box 3777
Omaha, NE 68103-0777
- Copy of academic progress report
- Minimum MCC GPA of 2.0

Final admission for Fire Science students will be based on completion of required paperwork, ability to pass physical exam and acceptance into the Fire Science Technology program.

Advisor's note: If a student is missing one or more of the required paperwork items, he or she needs to contact the Health Careers office at the time of application.

Applications need to be submitted to the Health Careers office at the South Omaha Campus, Mahoney Building, room 519.

Advisor/counselor signature

Applicant signature

Date

Date



As a general guideline, FIST courses are offered the following quarters:

| Fall quarter | Winter quarter | Spring quarter | Summer quarter |
|---------------------|-----------------------|-----------------------|-----------------------|
| FIST 1020 | FIST 1000 | FIST 1030 | FIST 1000 |
| FIST 1040 (online) | FIST 1050 | FIST 1040 (online) | FIST 1070 (online) |
| FIST 1080 | FIST 1060 | FIST 1080 | FIST 1080 |
| FIST 1090 | FIST 1070 (online) | FIST 1090 | FIST 1090 |
| FIST 2020 (online) | FIST 2040 | FIST 2010 | FIST 2011 |
| FIST 2070 | FIST 2050 (online) | FIST 2020 (online) | FIST 2030 |
| FIST 2080 | FIST 2060 | FIST 2070 | FIST 2050 (online) |
| FIST 2090 | | FIST 2080 | FIST 2070 |
| | | FIST 2090 | FIST 2080 |
| | | | FIST 2090 |

Be aware that course offerings may change—only use the above as a general guideline. For a complete course schedule for the upcoming quarter, view the online class schedule at mccneb.edu/view-class-schedule.

Students can register for FIST courses once they have been cleared in the system for registration by the Health Careers office. Students will be notified when they are cleared for registration.

Registration for FIST courses **after the student has been cleared** can be completed one of the following ways:

- Through the Health Careers dean's office
- By calling Central Registration at 531-MCC-2400
- By meeting with any academic advisor. If convenient, the primary FIST academic advisor at the Applied Technology Center may be reached at 531-MCC-5800

Please indicate which first quarter FIST course(s) you would like to register for:

- FIST 1090: Firefighter I (FIST 2070 is a corequisite or prerequisite)
- FIST 2070: Hazardous Materials Operations
- Other FIST course(s), please specify: _____
- General Education requirements—see an academic advisor for registration.

