

# Emergency & Disaster Management

## Emergency & Disaster Management

Associate of Applied Science Degree  
Sioux City Campus

### Program Overview and Opportunities:

This program is designed to fill a critical and growing need for emergency and disaster management personnel in the public and private sectors. This program will prepare the student for positions in the disaster management profession or to transfer to a four-year college or university. The graduate is prepared for employment in government agencies, private corporations, industry, educational and health care institutions. Students with prior training or certifications in similar fields may receive college credits toward their degree. Students must complete a minimum of 64 credits to earn an Associate of Applied Science Degree in Emergency & Disaster Management. The degree program can build upon the existing skills of first responders and others who complete college certificated training, military training, and/or are certified as Law enforcement officers, emergency medical technicians, paramedics, firefighters, safety professionals, or hazardous material technicians.

This program is an option for those individuals who seek a degree in an exciting and rewarding career field. To be accepted into the program, students must achieve the following scores on the Computerized Placement Test (CPT): 80 percent Reading; 86 percent Sentence Structure; 56 percent Arithmetic or 38 percent Elementary Algebra.

National employment trends show job growth predictions of 18-26 percent with median salaries of entry level employees of \$12 to \$39/hour. 80 percent of these positions require some college or a college degree. The median hourly wage in Iowa is \$18.22. (Career Voyages: <http://www.careervoyages.gov/homelandsecurity-main.cfm>)

### Are You a Part-time Student?

All of the courses could be taken on a part-time basis. Check the course descriptions for any pre-requisites. All of these courses are also offered online.

Refresher reading, English, or math course if CPT scores warrant; ENG-105; POL,PSY,SOC elective, MGT, EMS 110, Computer Elective and SOC-110 could all be taken before entry into the EDM program. Please see an EDM advisor to develop an individualized plan of study.

### Program Advisor

Steve Ebsen, BS, Division Chair  
Ext. 1232 Room T219 ebsens@witcc.edu



### Emergency & Disaster Management Curriculum

Course #	Title	Credits
EDM 110	Principles of Emergency Management .....	3
EDM 111	Developing Emergency Management Skills .....	3
EDM 112	Emergency Planning .....	3
SPC 112	Public Speaking .....	3
CSC 110	Introduction to Computers .....	3
ENG 105	Composition I .....	3
EDM 120	Special Populations in a Disaster .....	3
EDM 121	Emergency Disaster Response & Recovery .....	3
EDM 122	Incident Mgmt. Systems & Emerg. Operations Centers ....	3
EDM 212	Practicum I .....	3
EDM 123	Exercise Planning .....	3
EDM 210	Communications and Public Relations for Emergency Management .....	3
EDM 211	Hazard Mitigation .....	3
EDM 222	Practicum II .....	3
POL/PSY/SOC	Select 2 courses from 2 disciplines .....	6
EDM 220	Hazardous Materials Planning & Management .....	3
EDM 221	Homeland Security & Emergency Management .....	3
MGT	Management (select one course) .....	3
EMS 114	Emergency Medical Responder <b>OR</b>	
EMS 217	Emergency Medical Technician .....	2
MAT 772	Applied Math (3) <b>OR</b> .....	3
MAT 121	College Algebra (4)	
EDM 224	Practicum III .....	2
<b>Program Total .....</b>		<b>64</b>

Sections of shading above indicate groups of courses that could be taken during the same semester if a full-time student is academically ready for all courses and formally accepted into the EDM program.

See course descriptions in the back of the catalog for more detailed information about course prerequisites and co-requisites. Please see an EDM advisor to ensure correct course sequence.

# Emergency & Disaster Management

## Technical Emergency & Disaster Management

Associate of Applied Science Degree  
Sioux City Campus

### Program Overview and Opportunities:

This program is an option for those individuals with prior experience and documented training in public services who seek a degree.

This program is designed to fill a critical and growing need for emergency and disaster management personnel in public and private sectors. This program will prepare the student for positions in the disaster management profession or to transfer to a 4-year college or university. The student obtaining this degree is prepared for employment in government agencies, private corporations, industry, educational and health care institutions. Students with prior training or certifications in similar fields may receive college credits toward their degree. Students must complete a minimum of 66 credits to earn an Associate of Applied Science Degree in Emergency & Disaster Management. The degree program can build upon the existing skills of first responders and those individuals, who complete college certificated training, military training, and/or are certified, as Law enforcement officers, emergency medical technicians, paramedics, firefighters, safety professionals, or hazardous material technicians.

National employment trends show job growth predictions of 18-26 percent with median salaries of entry level employees of \$12 to \$39/hour. 80 percent of these positions require some college or a college degree. The median hourly wage in Iowa is \$18.22/hour. (Career Voyages: <http://www.careervoyages.gov/homelandsecurity-main.cfm>)

To be accepted into the program, students must achieve the following scores on the Computerized Placement Test:  
80 percent Reading; 86 percent Sentence Structure;  
56 percent Arithmetic or 38 percent Elementary Algebra.

### Technical Emergency & Disaster Management Curriculum

Course #	Title	Credits
<b>SELECT 24 CREDITS FROM THE FOLLOWING EDM COURSES:</b>		
<b>EDM 110</b>	Principles of Emergency Management .....	3
<b>EDM 111</b>	Developing Emergency Management Skills .....	3
<b>EDM 112</b>	Emergency Planning .....	3
<b>EDM 120</b>	Special Populations in a Disaster .....	3
<b>EDM 121</b>	Emergency Disaster Response & Recovery .....	3
<b>EDM 122</b>	Incident Management Systems and Emergency Operations Centers .....	3
<b>EDM 212</b>	Practicum I .....	3
<b>EDM 123</b>	Exercise Planning .....	3
<b>EDM 210</b>	Communications and Public Relations for Emergency Managers .....	3
<b>EDM 211</b>	Hazard Mitigation .....	3
<b>EDM 222</b>	Practicum II .....	3
<b>EDM 220</b>	Hazardous Materials Planning & Management .....	3
<b>EDM 221</b>	Homeland Security & Emergency Management .....	3
<b>EDM 224</b>	Practicum III .....	2
<b>GENERAL EDUCATION – SELECT 15 CREDITS:</b>		
<b>SPC 112</b>	Public Speaking OR	
<b>SPC 122</b>	Interpersonal Communications .....	3
<b>ENG 105</b>	Composition I .....	3
<b>CSC 110</b>	Introduction to Computers .....	3
<b>POL/PSY/SOC</b>	Select 2 courses from the 3 disciplines .....	6
<b>MAT 772</b>	Applied Math (3) OR	
<b>MAT 121</b>	College Algebra (4) .....	3
<b>SELECT 27 CREDITS FROM ANY OF THE CATEGORIES BELOW:</b>		
<b>Fire Science</b>		
<b>Police Science or Criminal Justice</b>		
<b>Emergency Medical Services</b>		
<b>Hazardous Materials Concentration</b>		
<b>EDM-949 Special Topics*</b>		
<b>NOTE: 3 credits awarded for completion of the FEMA Professional Series (online at fema.gov)</b>		
<b>Program Total .....</b>		<b>66</b>

### Program Advisors

Steve Ebsen, BS, Division Chair  
Ext. 1232                      Room T219                      ebsens@witcc.edu

See course descriptions in the back of the catalog to determine semester availability and more detailed information about the courses, including course prerequisites and co-requisites.

Please see an EDM program advisor to ensure correct course sequence.

# Emergency & Disaster Management

## Emergency & Disaster Management

Diploma  
Sioux City Campus

### Program Overview and Opportunities:

This program is designed to fill a critical and growing need for emergency and disaster management personnel in the public and private sector. This program will prepare the student for positions in the disaster management profession or to transfer to a four-year college or university. The student obtaining this diploma is prepared for employment in government agencies, private corporations, industry, educational and health care institutions. Students with prior training or certifications in similar fields may receive college credits toward their degree. Students must complete a minimum of 33 credits to earn a diploma in Emergency & Disaster Management. The diploma program can build upon the existing skills of first responders and those individuals who complete college certificated training, military training, and/or are certified as law enforcement officers, emergency medical technicians, paramedics, firefighters, safety professionals, or hazardous material technicians.

National employment trends show job growth predictions of 18-26 percent with median salaries of entry level employees of \$12 to \$39/hour. 80 percent of these positions require some college or a college degree. The median hourly wage in Iowa is \$18.22. (Career Voyages: <http://www.careervoyages.gov/homelandsecurity-main.cfm>)

To be accepted into the program, students must achieve the following scores on the Computerized Placement Test: 80 percent Reading; 86 percent Sentence Structure; 56 percent Arithmetic or 38 percent Elementary Algebra.

### Are You a Part-time Student?

All of the courses could be taken on a part-time basis.  
All of these courses are also offered online.

Refresher reading, English, or math course if CPT scores warrant; ENG-105; POL,PSY,SOC elective, MGT, EMS 110, Computer Elective and SOC-110 could all be taken before entry into the EDM program.  
Please see an EDM advisor to develop an individualized plan of study.

### Emergency & Disaster Management Diploma Curriculum

Course #	Title	Credits
EDM 110	Principles of Emergency Management .....	3
EDM 111	Developing Emergency Management Skills .....	3
EDM 112	Emergency Planning .....	3
EDM 210	Communications and Public Relations for Emergency Management .....	3
EDM 211	Hazard Mitigation .....	3
EDM 122	Incident Management Systems and Emergency Operations Centers .....	3
EDM 212	Practicum I .....	3
 <b>ELECTIVE CORE CLASSES—SELECT 6 CREDITS</b>		
EDM 120	Special Populations in a Disaster .....	3
EDM 121	Emergency/Disaster Response & Recovery .....	3
EDM 123	Exercise Planning .....	3
EDM 220	Hazardous Materials Planning & Management .....	3
EDM 221	Homeland Security & Emergency Management .....	3
FIR	Fire Science Elective	
CRJ	Police Science/Criminal Justice Elective	
EMS	Emergency Medical Services Elective	
EDM 949	Special Topics: FEMA Professional Development Series (PDS) online @fema.gov (work experience credit)	
 <b>NOTE: 3 credits awarded for completion of the FEMA Professional Series (online at fema.gov)</b>		
 <b>GENERAL EDUCATION—SELECT 6 CREDITS</b>		
SPC 112	Public Speaking OR	
SPC 122	Interpersonal Communications .....	3
ENG 105	Composition I .....	3
CSC 110	Introduction to Computers .....	3
POL/PSY/SOC	Select 2 courses from the 3 disciplines .....	6
MAT 772	Applied Math (3) OR	
MAT 121	College Algebra (4) .....	3 or 4
 <b>Program Total .....</b>		<b>33</b>

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# Emergency & Disaster Management

## Technical Emergency & Disaster Management

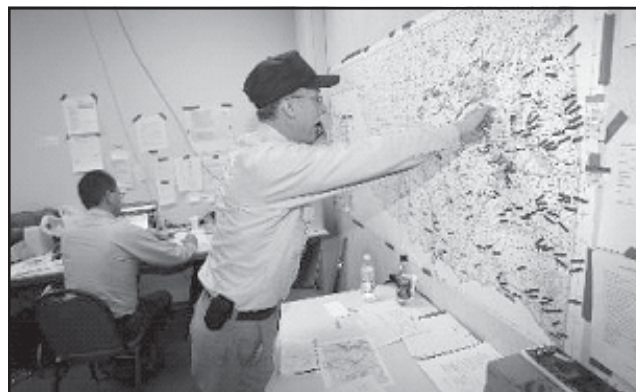
Certificate  
Sioux City Campus

### Program Overview and Opportunities:

These certificates were designed to fill a critical and growing need for emergency and disaster management personnel in the public and private sector. These certificates will prepare the student for positions in the disaster management profession and apply toward the diploma, degree or transfer to a four-year college or university. The student obtaining a certificate is better prepared for employment in government agencies, private corporations, industry, educational and health care institutions. Students with prior training or certifications in similar fields may receive college credits toward their degree. Contact a program advisor for more information. Students must complete the minimum number of credits to earn a certificate. The certificates can build upon the existing skills of first responders and those individuals who complete college certificated training, military training, and/or are certified as law enforcement officers, emergency medical technicians, paramedics, firefighters, safety professionals, or hazardous material technicians.

This program is an option for those individuals with prior experience and documented training in public services who seek a degree. National employment trends show job growth predictions of 18-26 percent with median salaries of entry level employees of \$12 to \$39/hour. 80 percent of these positions require some college or a college degree. The median hourly wage in Iowa is \$18.22. (Career Voyages: <http://www.careervoyages.gov/homelandsecurity-main.cfm>)

To be accepted into the program, students must achieve the following scores on the Computerized Placement Test: 80 percent Reading; 86 percent Sentence Structure; 56 percent Arithmetic or 38 percent Elementary Algebra.



### Technical Emergency & Disaster Management Certificate Curriculum

Course #	Title	Credits
<b>EMERGENCY MANAGER BASIC SKILLS CERTIFICATE</b>		
<b>EDM 122</b>	Incident Management Systems and Emergency Operations Centers .....	3
<b>EDM 111</b>	Developing Emergency Management Skills .....	3
<b>EDM 210</b>	Communications and Public Relations for Emergency Management .....	3
<b>EDM 110</b>	Principles of Emergency Management .....	3
<b>EDM 949</b>	Special Topics: FEMA Professional Development Series (PDS) online at FEMA.gov (work experience credit) .....	3
<b>Certificate Total .....</b>		<b>15</b>
<b>EMERGENCY PLANNING CERTIFICATE</b>		
<b>FIRST SEMESTER</b>		
<b>EDM 112</b>	Emergency Planning .....	3
<b>EDM 211</b>	Hazard Mitigation .....	3
<b>SECOND SEMESTER</b>		
<b>EDM 212</b>	Practicum I .....	3
<b>EDM 121</b>	Emergency Disaster Response & Recovery .....	3
<b>EDM 949</b>	Special Topics: FEMA Professional Development Series (PDS) online at FEMA.gov (work experience credit) .....	3
<b>Certificate Total .....</b>		<b>15</b>
<b>EMERGENCY DISASTER CERTIFICATE</b>		
<b>EDM 112</b>	Emergency Planning .....	3
<b>EDM 121</b>	Emergency Disaster Response & Recovery .....	3
<b>EDM 122</b>	Incident Management Systems and Emergency Operations Centers .....	3
<b>Certificate Total .....</b>		<b>9</b>

See course descriptions in the back of the catalog to determine semester availability and more detailed information about the courses, including course prerequisites and co-requisites.

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