

EMERGENCY MANAGEMENT

Cascade Campus
Public Services Education Building (PSEB), Room 133
971-722-5530

www.pcc.edu/programs/emergency-mgmt/

CAREER AND PROGRAM DESCRIPTION

Emergency Managers are expected to have a broad range of knowledge as they face the varied threats to our modern society and our personal safety. Today's threats include natural disasters, technological threats and terrorism in its many forms. Expertise in emergency management is needed at every level of government and in the private sector. This broad range of knowledge comes from education and on the job experiences. Emergency Managers must have a knowledge base of hazards, disasters, planning, science, history and research methods, communications and management. The profession requires diverse skills including a focused education in the areas of history of hazards and mitigation, emergency planning, disaster and recovery operations, technology and effective critical thinking, communications, problem solving and leadership. On the job, an Emergency Manager is responsible for coordinating disaster response or crisis management activities. They must provide disaster preparedness training, create and design emergency plans and procedures and direct emergency response operations.

PROGRAM PREREQUISITES

Students must pass all prerequisites with a C or better in order to enroll in any EM courses with a "200" or higher designator.

DEGREES AND CERTIFICATES OFFERED

Associate of Applied Science Degree

Emergency Management

Less than One-Year: Career Pathway Certificate

Emergency Management

EMERGENCY MANAGEMENT AAS DEGREE

Minimum 97 credits. Students must also meet Associate Degree Comprehensive Requirements and Associate of Applied Science Requirements. Students must complete a total of sixteen credits of General Education. Some courses specified within the program may be used as General Education. Students should consult with program advisors for course planning.

Emergency Management Degree Credit Summary

EM	44
EM Program Electives	12
Remaining General Education	8
HUM	4
PHL	4
PS	4
PSY	4
SP	4
WR	4
ETC	3
CJA	3
MSD	3
Credit Total 97	

COURSE OF STUDY

The coursework listed below is required. The following is an example of a term-by-term breakdown.

First Term

CJA	101	Cultural Diversity in CJ Professions	3
EM	101	Introduction to Emergency Services	4
EM	110	Theory of Emergency Management	3
EM	114	History of US Hazards, Disasters & EM	4
Emergency Management Program Electives			4

Second Term

EM	103	Intro to Radio Communications	3
EM	203	Principles & Practices of Disaster Response I	4
PHL	191	Critical Thinking: Language & Layout of Argument*	4
PS	203	State & Local Government*	4
General Education			4

Third Term

EM	202	Principles & Practices of Hazard Mitigation	3
EM	204	Principles & Practices of Disaster Response II	4
ETC	105	Crisis Intervention & Critical Incident Stress Management	3
HUM	221	Leadership Development*	4
Emergency Management Program Electives			4

Fourth Term

EM	210	Emergency Mgmt Planning: Hazards and Disasters	4
EM	211	Public Policy & Law in EM	3
MSD	101	Principles of Management & Supervision	3
SP	111	Public Speaking*	4

Fifth Term

EM	205	Disaster Recovery Operations	3
EM	221	Business Continuity/Resumption of Operations Planning	3
PSY	101	Psychology & Human Relations*	4
WR	227	Technical and Professional Writing I	4

Sixth Term

EM	222	Disaster Exercise Design & Evaluation	3
EM	223	Terrorism	3
Emergency Management Program Electives			4
General Education			4

*Could be used as General Education

EMERGENCY MANAGEMENT: CAREER PATHWAY CERTIFICATE

Minimum 44 credits. Students must also meet certificate requirements. The Emergency Management Certificate is a Career Pathway. All courses are contained in the Emergency Management AAS Degree.

EM	101	Introduction to Emergency Services	4
EM	110	Theory of Emergency Management	3
EM	114	History of US Hazards, Disasters & EM	4
EM	202	Principles & Practices of Hazard Mitigation	3
EM	203	Principles & Practices of Disaster Response I	4
EM	204	Principles & Practices of Disaster Response II	4
EM	205	Disaster Recovery Operations	3
ETC	105	Crisis Intervention & Critical Incident Stress Management	3
Emergency Management Program Electives			16

Emergency Management Program Electives

FP	9070	Major Emergency Tactics/Strategies	3
G	201	Physical Geology	4
G	208	Volcanoes and Their Activity	3
G	209	Earthquakes	3
GEO	105	Introduction to Human Geography	4
GEO	106	Geography of the Developed World	4
GEO	209	Physical Geography: Weather and Climate	4
GEO	210	The Natural Environment	4
GS	109	Physical Science (Meteorology)	4
MSD	121	Leadership Skill Development	3

Any pre-approved CJA, EMS, ETC or FP courses may be used to fill the elective requirement.

COURSE DESCRIPTIONS

EM 101 Introduction to Emergency Services 4.00 Covers roles and responsibilities of a broad range of emergency services providers and the relationship between these service providers and the community. The relationships between police, fire service, emergency medical service, and emergency communications and emergency management, will be covered, as well as, the organizational structure, terminology, history, training and standards, ethical and legal responsibilities of each discipline. Audit available.

EM 103 Introduction to Radio Communications 3.00 This course introduces students to the technology of two-way radio communications, as applied to emergency services. Telecommunicators provide the communications link between agencies, field responders and the public. Understanding the operation and components of two-way radio and proper radio broadcasting procedures is essential to the communications role of all first responders. Prerequisite: WR 115. Audit available.

EM 110 Theory of Emergency Management 3.00 Introduces emergency management theory, including basic definitions, identification of hazards, descriptions of the phases of emergency management, identification of resources, roles and responsibilities of emergency managers, and coordination of various systems. Recommend: WR 115. Audit available.

EM 114 History of U.S. Hazards, Disasters and Emergency Management 4.00 Surveys the U.S. History of hazards and disasters and traces the evolution of emergency management. Emphasis will be on naturally occurring disasters with appropriate attention to the development of technological incidents and the evolution of terrorism. Recommend: WR 115. Audit available.

EM 202 Principles & Practices of Hazard Mitigation 3.00 The disaster mitigation goal of governments is to develop disaster resistant communities. This course identifies hazard risks and associated mitigation programs and strategies and how to identify local mitigation opportunities and cost effective solutions. Prerequisite: EM 114. Audit available.

EM 203 Principles & Practices of Disaster Response I 4.00 Uncovers the principles that promote effective disaster response practices in operations and management. It will examine the nature of disasters, the context of response operations, and the roles and responsibilities of various individuals and organizations. This is the first of a two part sequence: EM 203 and 204. Prerequisite: EM 110 and EM 114. Audit available.

EM 204 Principles & Practices of Disaster Response II 4.00 Continues the investigation of response operations and management by focusing on various management systems. The Incident Command System, are command, multi-agency coordination systems, joint information system and other systems will all be examined. Prerequisite: EM 203. Audit available.

EM 205 Disaster Recovery Operations 3.00 Covers the basic concepts and operational procedures and authorities involved in recovering from major disasters. It addresses Federal, State, and local government roles and responsibilities in major disaster recovery work, with an emphasis on government coordination and the solution of problems that frequently arise in recovery operations. Prerequisites: EM 110 and EM 114. Audit available.

EM 210 Emergency Management Planning for Hazards & Disasters 4.00 Course will examine the concepts of writing an emergency operating plan and the elements necessary for inclusion in the plan (all-risk hazards planning). Students will begin with the process for identifying local hazards and resources, vulnerability and impact analysis, and public policy considerations. Using groups they will analyze their hazard assessments and write a basic plan. The groups will present their plans to the whole for critique. Actual emergency operating plans will be used to illustrate the planning requirements and results. Prerequisites: EM 110 and EM 114 and WR 121. Audit available.

EM 211 Public Policy & Law in Emergency Management 3.00 Provides the student with specialized knowledge and skills necessary to develop public policy related to emergency management. Course emphasizes policy leadership in the area of emergency planning and response as part of the larger responsibility to protect the general welfare of the people community, all within existing federal, state and local laws. Prerequisite: EM 110 Audit available.

EM 221 Business Continuity or Resumption of Operations Planning 3.00 Address the critical dependence of modern organizations on disaster vulnerable technology, such as management information, communications, and computerized process control systems. Students will have the opportunity to produce working plans that provide preventative measures to minimize disaster impact, provide an organized response, and ensure business continuity during recover. Prerequisites: EM 114 and WR 121. Audit available.

EM 222 Disaster Exercise Design and Evaluation 3.00 Provides the student with an understanding of how different types of disaster exercises are written and conducted. Exercises are a necessary training tool for all emergency response organizations to test new skills, technology and competency. Prerequisites: EM 203, EM 204, and EM 205. Audit available.

EM 223 Terrorism 3.00 Introduces the issues of terrorism, the organizations and key characters in both international and domestic terror. The course also introduces the various agents and delivery systems of weapons of mass destruction. Recommend: WR 115. Audit available.