



## Credit by Expert Review (Portfolio Assessment)

**Key**  
**ES-** Emergency Services  
**ESFF-** Emergency Services Firefighter  
**ESFO-** Emergency Services Fire Officer

**ESEC-** Emergency Care  
**ESMG-** Emergency Management  
**ESWF-** Wildland Firefighter

Course	Course Description	Student Requirements for Expert Review	Faculty Contact	Credit
<b>ES 1150:</b> Introduction to Emergency and Disaster Management SS	Explains the occurrence of natural, technological, and anthropogenic hazards and their relation to human vulnerability. Identifies the role of the emergency manager in working with the whole community (i.e., individuals and other public, private and nonprofit organizations). Describes all aspects of comprehensive emergency management (e.g., mitigation, preparedness, response and recovery). Promotes proactive approaches to foster disaster resilience.	(A) Significant documented experience as a professional emergency manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.). (B) Certified FEMA 100, 200, 300, 400, 700, & 800. (C) Undergraduate College Course Transcript Equivalent Course.	<a href="mailto:david.mcentire@uvu.edu">david.mcentire@uvu.edu</a>	3
<b>ES 1160:</b> Responders Role in Emergencies and Disasters	Prepares emergency services students to respond effectively in both day-to-day emergency circumstances as well as extreme disasters. Examines the theory and skills to effectively handle emergency operations and deal with people in the context of emergencies.	(A) Significant documented experience as a professional emergency manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.. (B) Undergraduate College Course Transcript Equivalent Course.	<a href="mailto:john.fisher@uvu.edu">john.fisher@uvu.edu</a>	3
<b>ES 1170:</b> Citizen Role in Emergencies and Disasters	Designed for students of emergency management and volunteer private agencies. Discusses disaster preparedness, planning, and mitigation. Extends the discussion of the public role in emergencies and disasters to disaster response and recovery. Describes the variety of actions taken by individuals, private and voluntary organizations, first responders, and government agencies in response to a disaster and to assist in recovery.	(A) Current CERT Certification. (B) Undergraduate College Course Transcript Equivalent Course.	<a href="mailto:john.fisher@uvu.edu">john.fisher@uvu.edu</a>	3
<b>ES 2130:</b> Terrorism and the Emergency Services	Deals with the threats associated with terrorism as they relate to emergency service response. Examines past acts of terror along with present and future threats and their connection to emergency services planning and response. Identifies various aspects of security and control in correlation to the emergency response operations.	(A) Significant documented experience in homeland security, law enforcement, CBRNE, antiterrorism, counterterrorism, violent extremism (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.). (B) Undergraduate College Course Transcript Equivalent Course.	<a href="mailto:eric.russell@uvu.edu">eric.russell@uvu.edu</a>	3
<b>ES 2210:</b> Community Mitigation Response and Recovery	Provides an introduction to emergency management for community members, emergency service volunteers, and future disaster relief workers. Prepares them with the knowledge and the skills to allow them to work in emergency services in government or non-profit agencies. Introduces emergency management principles, doctrines and authorities, emergency management functions and capabilities, and the integrated emergency management system. Addresses the coordination of various systems, networks, and agreements among various governmental and other organizations under the National Incident Management System (NIMS).	(A) Significant documented experience as a professional emergency manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc. (B) Undergraduate College Course Transcript Equivalent Course.	<a href="mailto:john.fisher@uvu.edu">john.fisher@uvu.edu</a>	3
<b>ES 2220:</b> Resiliency and Vulnerability in Crises	Expands the knowledge of disasters so that students of emergency management, volunteers, and community members understand the nature of multiple hazards, both man-made and natural, and are aware of their impact on vulnerable populations. Presents risk management tools to assist in mitigating, planning and preparing for disasters.	(A) Significant documented experience as a professional emergency manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.. (B) Undergraduate College Course Transcript Equivalent Course.	<a href="mailto:john.fisher@uvu.edu">john.fisher@uvu.edu</a>	3

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<b>ES 2230:</b> Non-profit Organizations and Volunteerism	Improves participant abilities to deal with a broad range of issues in the management of volunteers. Covers publicity and recruitment, skill development and maintenance, and motivation strategies to promote continued involvement and quality performance. Addresses the planning and operations of an effective donations management system, and explores the coordination of state and local government and representatives of Voluntary Organizations Active in Disaster (VOAD) when working with undesignated and spontaneous volunteers during a disaster.	(A) Significant experience as a professional emergency manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.. (B) Undergraduate College Course Transcript Equivalent course.	<a href="mailto:john.fisher@uvu.edu">john.fisher@uvu.edu</a>	3
<b>ESFF 1000:</b> Introduction to Emergency Services and Ability Testing	Explores career opportunities and job requirements of fire and rescue emergency services. Discusses the various duties within emergency services, including structural fire fighting, wildland fire fighting, technical rescue, hazardous materials control, fire protection, fire investigations, and incident command. Explains the employment testing and selection processes of federal, state, municipal, and industrial emergency service organizations. Develops basic emergency skills in hazard recognition, response organization, and fire extinguisher use.	Significant experience as a professional emergency services responder (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, EMS Director, etc.). Undergraduate College Course Transcript Equivalent	<a href="mailto:gary.noll@uvu.edu">gary.noll@uvu.edu</a>	3
<b>ESFO 1100:</b> Fire Behavior and Combustion	Explores the theories and fundamentals of how and why fires start, spread, and how they are controlled. Addresses the fire problem in America, the background of research, and how to approach the study of fire. Provides an overview of various flames, smoldering, and spontaneous combustion.	Undergraduate College Course Transcript Leadership Equivalent	<a href="mailto:gary.noll@uvu.edu">gary.noll@uvu.edu</a>	3
<b>ESFO 1110:</b> Fire Prevention	Provides fundamental information regarding the history and philosophy of fire prevention. Introduces the organization and operation of a fire prevention bureau. Covers the use of fire codes, identification, and correction of fire hazards. Discusses the relationships of fire prevention with built-in fire protection systems, fire investigation, and fire and life-safety education.	Undergraduate College Course Transcript Leadership Equivalent	<a href="mailto:gary.noll@uvu.edu">gary.noll@uvu.edu</a>	3
<b>ESFO 1350:</b> Fire Protection Hydraulics and Water Supply	Introduces basic mathematical operations, including fractions, decimals, percentages, measurements, statistics, graphs, formulas, and equations. Completers should be able to apply mathematical skills in solving basic fire service hydraulics and water supply problems.	(A) Undergraduate College Course Transcript Leadership Equivalent, (B) Current IFSAC/ProBoard/California State Fire Marshal/Florida BFST Certified Driver Operator (i.e., Pumper, Aerial, ARFF, Tender, Tiller)	<a href="mailto:gary.noll@uvu.edu">gary.noll@uvu.edu</a>	3
<b>ESFO 2400:</b> Fire Officer Work Experience	Provides an opportunity for students to complete the Fire Officer II workplace performance requirements of NFPA 1021, Standard for Fire Officer Professional Qualifications. Under the supervision of an experienced fire officer, requires meeting performance objectives in areas of human resource management, community relations, governmental relations, inspection procedures, investigation procedures, emergency service operations, emergency services planning, and personnel safety procedures, through a non-paid work experience.	Significant experience as a professional fire officer (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, EMS Director, etc.).	<a href="mailto:gary.noll@uvu.edu">gary.noll@uvu.edu</a>	3
<b>ESMG 3200:</b> Health and Safety Program Management	Teaches development, management, and evaluation of departmental safety programs. Includes compilation of accident and injury data from local jurisdictions. Develops programs that target safety concerns identified from research. Students will develop a plan to track effectiveness of safety programs to reduce personal injuries and property damage resulting from accidents within their department.	(A) Undergraduate 3000-4000 Level OSHA/Safety Related College Course Transcript, (B) 5 years professional experience as a health and safety program manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, EMS Director, etc.).	<a href="mailto:byrnesan@uvu.edu">byrnesan@uvu.edu</a>	3
<b>ESMG 3250:</b> Managing Emergency Medical Services	Teaches action planning procedures for emergency incidents requiring multiple agency operations. Includes determining resources, assigning and placement of resources to mitigate incidents requiring multi-agency responses. Studies coordination of changing roles and responsibilities of fire service based EMS providers with the requirements set forth by local ordinances, state statutes, and federal laws. Presents personnel, resource management, and quality improvement techniques.	(A) Undergraduate 3000-4000 Level EMS College Course Transcript, (B) 5 years professional experience as a EMS director (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Sheriff, EMS Director, etc.).	<a href="mailto:mittelma@uvu.edu">mittelma@uvu.edu</a>	3
<b>ESMG 3300:</b> Emergency and Disaster Planning	Prepares students for developing long-range plans, given current organization status and local resources, emphasizing the attainment of both organizational, and community needs. Teaches planning for growth and for major disasters. Integrates resources and budgets while mitigating the impacts on a community. Develops and evaluates projected training requirements.	(A) Undergraduate 3000-4000 Level EM Planning College Course Transcript, (B) 8 years professional experience as an Emergency Manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.	<a href="mailto:mittelma@uvu.edu">mittelma@uvu.edu</a>	3

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<b>ESMG 3350:</b> Analytical Research Approaches to Public Emergency Services	Explores basic research designs, the use of selective analytical tools, and common issues faced by public emergency services managers. Examines tools and techniques using research methods to facilitate the decision making process in public emergency services organizations.	Undergraduate 3000-4000 Level Research College Course Transcript	<a href="mailto:broomero@uvu.edu">broomero@uvu.edu</a>	3
<b>ESMG 3400:</b> Critical Infrastructure Protection	Introduces critical infrastructure and key resources (CI/KR) and explores the interdependencies between government and private industry in sustaining and protecting critical infrastructure. Provides an overview of the elements and processes to develop and sustain successful critical infrastructure partnerships and to protect critical infrastructure and key resources.	(A) Undergraduate 3000-4000 Level CIP College Course Transcript, (B) 8 years professional experience as an Emergency Manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc..	<a href="mailto:john.fisher@uvu.edu">john.fisher@uvu.edu</a>	3
<b>ESMG 3710:</b> Comparative Approaches to Homeland Security	Discusses shared terrorism threats as well as policies and strategies employed by a range of democratic countries to cope with terrorism and other homeland security-related threats. Examines issue areas such as bio-threats, health system preparedness, airport security, and anti-radicalization policies across several countries. Reviews the practices of other countries and translates those practices into policies applicable in the United States. Prepares students to engage with their international partners at the local, state, or federal levels as Homeland Security becomes an increasingly global undertaking requiring greater international outreach.	(A) Undergraduate 3000-4000 Level NSA/HS College Course Transcript, (B) 8 years professional experience in an international homeland security/CBRNE/NSS/antiterrorism/counterterrorism role (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.).	<a href="mailto:david.mcentire@uvu.edu">david.mcentire@uvu.edu</a>	3
<b>ESMG 4000:</b> Advanced Emergency Services Leadership	Explores advanced leadership topics as they relate to the first responder. Discusses leadership theories used in both emergency and non-emergency environments and develops skills necessary to lead small and large organizations under the unique atmosphere of time, pressure, and consequence. Provides an understanding of the role an emergency services leader plays in a paramilitary environment.	Undergraduate 3000-4000 Level College Leadership Course Transcript, (B) 10 years professional experience at the executive leadership level of an emergency services organization (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, EMS Director, etc.).	<a href="mailto:gary.noll@uvu.edu">gary.noll@uvu.edu</a>	4
<b>ESMG 4150:</b> Humanitarian Services and Disaster Relief	Examines both theoretical and applied aspects of complex humanitarian emergencies and reviews disasters in the context of humanitarian relief. Explores the needs of displaced persons and the systems and practices currently in place to meet these needs. Reviews the principles of preparedness, resilience, and sustainability in terms of short-term response to disasters and long-term community recovery.	(A) Undergraduate 3000-4000 Level Humanitarian/International College Course Transcript, (B) 8 years professional experience as an Emergency Manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.).	<a href="mailto:john.fisher@uvu.edu">john.fisher@uvu.edu</a>	3
<b>ESMG 4200:</b> Public Information and Disasters	Prepares emergency services students to respond effectively to public information needs in both day-to-day emergency circumstances as well as in more extreme disaster conditions. Explores the theory and develops skills to effectively respond in crisis situations. Presents case studies in crisis response that demonstrate how information can help the public prepare, respond, and recover from disasters.	(A) Undergraduate 3000-4000 Level PIO/COMM College Course Transcript, (B) 8 years professional experience as an Emergency Manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.).	<a href="mailto:john.fisher@uvu.edu">john.fisher@uvu.edu</a>	3
<b>ESMG 425G:</b> Humanitarian Management and Operations	Deals with the operations side of humanitarian action. Establishes principles that can be used in local, national, and international relief efforts. Applies best practices from emergency management to the field of humanitarian services and disaster relief. Meets the global and international requirements to foster a greater understanding of, interaction with, and appreciation for, cultures that reflect the diversity present within the local and campus communities, up to the larger state and global context.	(A) Undergraduate 3000-4000 Level Humanitarian/International College Course Transcript, (B) 8 years professional experience as an Emergency Manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.).	<a href="mailto:john.fisher@uvu.edu">john.fisher@uvu.edu</a>	3
<b>ESMG 4300:</b> Disaster Recovery and Hazard Mitigation	Explores disaster recovery operations and hazard mitigation activities, including an emphasis on key participants in these important, but neglected phases of emergency management. Addresses numerous functions including damage assessment, disaster declarations, disaster assistance, risk assessments, land-use planning, and structural/non-structural mitigation. Concentrates on the needs of vulnerable populations and has the goal of promoting increased disaster resilience, proactive risk reduction measures and sustainability.	(A) Undergraduate 3000-4000 Level EM-Related College Course Transcript, (B) 8 years professional experience as an Emergency Manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.).	<a href="mailto:david.mcentire@uvu.edu">david.mcentire@uvu.edu</a>	3

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<b>ESMG 4350:</b> Disaster Planning and Business Continuity	Identifies risks facing business operations. Focuses on planning and preparedness for disasters and other emergencies to assure continuity of business operations. Teaches processes that protect facilities, operations, employees, customers, and other stakeholders from the effects of a crisis. Identifies strategies that develop business resilience and protect business systems.	(A) Undergraduate 3000-4000 Level EM Planning College Course Transcript, (B) 8 years professional experience as an Emergency Manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.).	<a href="mailto:john.fisher@uvu.edu">john.fisher@uvu.edu</a>	3
<b>ESMG 4400:</b> Legal Considerations for the Emergency Services	Examines regulatory, political, and social aspects of government's role in emergency services agencies, including regulatory issues, emergency services operations, employment, personnel issues, roles, legislative issues, and political influence.	(A) Undergraduate 3000-4000 Level Law College Course Transcript	<a href="mailto:mittelma@uvu.edu">mittelma@uvu.edu</a>	3
<b>ESMG 445G:</b> Human Factors in Emergency Management	Introduces students to an emergency response approach to understanding hazards and disasters grounded in social vulnerability analysis. Examines historical, geographical, social, and cultural factors and conditions that put people differentially at risk before, during, and after disasters. Utilizes a multi-disciplinary approach. Focuses on global, national, regional, and local patterns of development. Explores how vulnerable social groups are affected by and cope with hazardous conditions and events, and strategies for community-based mitigation engaging those most at risk.	(A) Undergraduate 3000-4000 Level Sociology/Human Services College Course Transcript, (B) 8 years professional experience as an Emergency Manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.).	<a href="mailto:broomero@uvu.edu">broomero@uvu.edu</a>	3
<b>ESMG 4500:</b> Customer Service and Marketing for the Emergency Services	Explores the principles and importance of customer-oriented service delivery within the emergency services. Looks at current practices and delves into emerging needs and solutions for marketing and public relations. Includes research and critical thinking strategies for local, national, and global perspectives on customer service.	Undergraduate 3000-4000 Level Customer Service/Marketing College Course Transcript	<a href="mailto:mittelma@uvu.edu">mittelma@uvu.edu</a>	3
<b>ESMG 4550:</b> Emergency Preparedness and Disaster Response	Identifies what emergency managers and other key actors in the public, private, and nonprofit sectors do to prepare for emergencies and improve immediate post-disaster operations. Covers the importance of the Emergency Management Accreditation Program, planning, equipping, training, exercises, and community education. Describes the Disaster Response Framework and NIMS along with how first responders and emergency managers may use ICS and EOCs to improve functions such as warning, evacuation, sheltering, firefighting, search and rescue, emergency medical care, mutual aid, public information, donations management, volunteer management, etc.	(A) Undergraduate 3000-4000 Level EM-Related College Course Transcript, (B) 8 years professional experience as an Emergency Manager (required official documentation/identification + signed letter by executive level leadership including Fire Chief, Police Chief, Sheriff, Mayor, City Manager, Governor, military commander >/= O5, etc.).	<a href="mailto:david.mcentire@uvu.edu">david.mcentire@uvu.edu</a>	3
<b>ESWF 1410:</b> Wildland Internship I	Provides experience in fighting fires at wildfire and urban interface incidents. Studies wildland fire behavior, fire weather, and fire mitigation. Teaches size-up, chain of command, communications, strategy, and tactics. Includes developing water sources, learning engine tactics, understanding procedures for aircraft, firing and felling operations. Completers should develop skills beyond the entry level firefighter. May be graded credit/no credit.	A) Physical Fitness (Red Carded) B) Understanding of the 10 Fire Orders / 18 Watchout Situations C) LCES and its implementation D) Communications E) Any other items identified by their supervisor and or Agency F)Satisfactory performance rating / annual review (This is verified by the supervisor's letter and signature) G) Any additional NWCG /FEMA classes to support development	<a href="mailto:Catherda@uvu.edu">Catherda@uvu.edu</a>	5

Course	Course Description	Student Requirements for Expert Review	Faculty Contact	Credit
<b>ESWF 1420:</b> Wildland Internship II	<p>Provides students with the training and experience that will assist them in gaining a job in wildland fire management and suppression. Features participation in a 20-person wildland fire suppression crew sponsored by the Utah Division of Forestry, Fire and State Lands. Also teaches about wildland fire behavior as well as fire suppression strategies and tactics. Requires students to participate in physically demanding assignments with long periods of time away from home. Exposes students to wildland fire and the various organizational and mechanical tools used to manage and suppress them, such as; aircraft, bulldozers, large engines and other fire management and suppression equipment. May be graded credit/no credit.</p>	<ul style="list-style-type: none"> <li>A) Physical Fitness (Red Carded)</li> <li>B) Proficiency in use and implementation of various wildland tools (hand tools/saws/pumps)</li> <li>C) Effectively use a portable radio and to field program as needed (Agency Specific)</li> <li>D) Land Navigation – use of maps, compass, GPS, and other applications</li> <li>E) Apply the principles of the Risk Management Process</li> <li>F) Working towards a supervisory level (Squad Boss/ ICT5 / Single Resource)</li> <li>G) Documentation within a designated position Task Book verified by supervisor</li> <li>H) Satisfactory performance rating / annual review (This is verified by the supervisor’s letter and signature)</li> <li>I) Any additional NWCG /FEMA classes to support development</li> </ul>	<a href="mailto:Catherda@uvu.edu">Catherda@uvu.edu</a>	5
<b>ESWF 2430:</b> Wildland Internship III	<p>Increases the level of leadership training and responsibility for individual firefighters. Includes work on Advanced Firefighter/Squad Boss Task book. Teaches and improves upon the following skills; firefighter safety, supervision, communication, situational awareness and other fire suppression skills needed to advance to the Squad boss level. Offers valuable experience in wildland fire suppression techniques as well as safety and organizational skills. May be graded credit/no credit.</p>	<ul style="list-style-type: none"> <li>A) Physical Fitness (Red Card)</li> <li>B) Supervise and mentor the lesser experienced firefighters</li> <li>C) Completion of a position task book. (Certified within your agency’s standards)</li> <li>D) Satisfactory performance rating / annual review. (This is verified by the supervisor’s letter and signature)</li> <li>E) Any additional NWCG /FEMA classes to support development</li> </ul>	<a href="mailto:Catherda@uvu.edu">Catherda@uvu.edu</a>	5