

**Assurance of Student Learning  
2019-2020**

*Ogden College of Science and Engineering*

*Department of Geography and Geology*

*Emergency Management Disaster Science #1748*

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*Use this page to list learning outcomes, measurements, and summarize results for your program. Detailed information must be completed in the subsequent pages.*

**Student Learning Outcome 1:** Students completing the Emergency Management Disaster Science Certificate will be able to demonstrate an understanding of incident management, risk identification, emergency planning, and emergency management program evaluation.

<b>Instrument 1</b>	<b>Direct:</b> A demonstrative applied capstone project is given during the final required course of the certificate. The project consists of the collection of real-time intelligence of potential hazards and applying that intelligence to a simulated event. Students must demonstrate leadership and managerial roles as they produce a tangible, comprehensive emergency action plan with simulated response efforts.
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**Program Summary (Briefly summarize the action and follow up items from your detailed responses on subsequent pages.)**

The 2019-20 was the first-year offering of the EMDS certificate. During that time, we had 2 student complete the certificate. Both student scoupled the certificate as a stackable credential with Organizational Leadership.

The philosophy of the EMDS Certificate is to emphasize acquiring co-credentials, while developing employable skillsets as a core activity in the curriculum. The field of Emergency Management Disaster Science is quite interdisciplinary and applied in both, social and physical sciences. As a new program, faculty are working toward developing a network of professionals to enhance our understanding of where the EMDS program can best benefit employers and society. Feedback from industry professionals suggests our curriculum and applied-science approach is the key toward building a sustainable, high-quality program. Currently, students enrolled in EMDS are stemming from Military Science, Meteorology, Organizational Leadership, Public Administration, Atheltics, among others.

As an online-only program, we are seeking avenues to engage students with non-informal learning experiences. Faculty in the program have collaborated on a new research center, the Disaster Science Operations Center, that launched fall 2020. We believe this will provide a wealth of learning opportunities and visibitly for the EMDS program.

### Student Learning Outcome 1

<b>Student Learning Outcome</b>	Students completing the Emergency Management Disaster Science Certificate will be able to demonstrate an understanding of incident management, risk identification, emergency planning, and emergency management program evaluation.		
<b>Measurement Instrument 1</b>	A demonstrative applied capstone project is given during the final required course of the certificate. The project consists of the collection of real-time intelligence of potential hazards and applying that intelligence to a simulated event. Students must demonstrate leadership and managerial roles as they produce a tangible, comprehensive emergency action plan with simulated response efforts.		
<b>Criteria for Student Success</b>	The capstone is a pass/fail assessment, whereby a pass is considered no less than 80% successful completion of the project.		
<b>Program Success Target for this Measurement</b>	95%	<b>Percent of Program Achieving Target</b>	100%
<b>Methods</b>	<ul style="list-style-type: none"> <li style="text-align: center;">• <b>Overall score</b> <span style="float: right;"><b>100%</b>    <b>N = 2</b></span></li> </ul>		
<b>Based on your results, highlight whether the program met the goal Student Learning Outcome 1.</b>		<b>Met</b>	<b>Not Met</b>
<b>Actions</b> (Describe the decision-making process and actions for program improvement. The actions should include a timeline.)			
These initial successes have provided a sufficient baseline for program assessment. Upon reflection and feedback from student and industry professionals, we plan to augment some of the course content to be less FEMA overspill and more applied and practical. With a total enrollment of 71 in the first year, EMDS currently has a total enrollment of 60 in just the first semester of the second year. This greater enrollment will allow us to have a better perspective on the learning outcomes in the coming year.			
<b>Follow-Up</b> (Provide your timeline for follow-up. If follow-up has occurred, describe how the actions above have resulted in program improvement.)			
No follow up is needed at this time.			
<b>Next Assessment Cycle Plan</b> (Please describe your assessment plan timetable for this outcome)			
We plan to utilize the same assessment at the end of the academic year, namely summer 2021.			