DISASTER SCIENCE, BACHELOR OF SCIENCE (5019)

Program Coordinator
Joshua D. Durkee, joshua.durkee@wku.edu, (270) 745-8777

The Bachelor of Science in Disaster Science builds upon traditional emergency management practices to include a better understanding of the complex causal relationships that yield the destructive outcomes trending in modern catastrophic events. This program prepares students to function effectively in all phases of the disaster cycle, with particular focus on preparedness, prevention, and mitigation efforts to lessen the potential for loss of life, property, and environmental impacts.

Program Requirements (52 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Code	Title	Hours
Core Requirements		
DISC 101	Introduction to Global Disasters	3
DISC 200	Applied Disaster Science Practices	3
METR 121	Meteorology	3
GEOG 226	Our Dangerous Planet	3
GEOG 300	Writing in the Geosciences	3
GISC 316	Geographic Information Systems I	4
GISC 317	Geographic Information Systems II	4
METR 324	Weather Analysis and Forecasting	3
METR 326	Applied Meteorology / Climatology	3
EMDS 400	Emergency Management Policy and Practices	3
EMDS 401	Natural and Technological Disaster Risks	3
EMDS 402	Resiliency in Response to Terrorism and Violence	3
EMDS 403	Advanced Disaster Planning, Management, and Preparedness	3
GEOG 499	Professional Preparation	1
Complete a minimum of 3 hours from these courses:		**3**
EMDS 404	Trends in Disaster Preparedness and Management	
GEOG 495	Applied Research, Independent Study, or Internship	
Additional Required Courses:		
MATH 136	Calculus I	4
MATH 183	Introductory Statistics	3
or STAT 301	Introductory Probability and Applied Statistics	
or GEOG 391	Geoscience Statistical Analysis	
Total Hours		**52**

Students will complete the requirements for a certificate in Emergency Management Disaster Science in the course of degree completion.

First Year

Fall	Hours	Spring	Hours
DISC 101	3	COMM 145	3
ENG 100	3	HIST 101	3
MATH 117	3	ENG 200	3
Colonnade	3	EMDS 400	3
		Colonnade	3
	12		**15**

Second Year

Fall	Hours	Spring	Hours
DISC 200	3	GEOG 300	3
GEOG 226	3	METR 121	3
Colonnade	3	EMDS 401	3
Elective	3	MATH 136	4
Elective	3	Colonnade	3
	15		**16**

Third Year

Fall	Hours	Spring	Hours
MATH 183, STAT 301, or GISC 316	3-4	GISC 317	4
GISC 316	4	Colonnade	3
EMDS 402	3	Elective	3
Colonnade	3	Elective	3
Colonnade	3	Elective	3
	16-17		**16**

Fourth Year

Fall	Hours	Spring	Hours
EMDS 403	3	GEOG 495 or EMDS 404	3
GEOG 499	1	Elective	3
METR 324	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3		
	16		**15**

Total Hours 121-122