

GEOSPATIAL SCIENCE CONCENTRATION

Emergency Management, Bachelor of Science in Emergency Management - Geospatial Science Requirements

Code	Title	Credits
GENERAL EDUCATION REQUIREMENTS - 34 Hours Required		
Minimum of "C-" required		
Fundamental Skills		15
Writing – 6 hrs.		
ENGL 1150	ENGLISH COMPOSITION I	
ENGL 1160	COLLEGE RESEARCH AND INFORMATION LITERACY	
Oral Communication – 3 hrs.		
CMST 1110	PUBLIC SPEAKING FUNDS	
or CMST 2120	ARGUMENTATION AND DEBATE	
Quantitative Literacy – 3 hrs.		
MATH 1120	INTRODUCTION TO MATHEMATICAL AND COMPUTATIONAL THINKING	
or MATH 1130	QUANTITATIVE LITERACY	
or MATH 1140	QUANTITATIVE REASONING FOR HEALTHCARE PROFESSIONALS	
or MATH 1300	COLLEGE ALGEBRA WITH SUPPORT	
Data Literacy – 3 hrs.		
Select one from the following:		
STAT 1100	DATA LITERACY AND VISUALIZATION	
STAT 1530	ELEMENTARY STATISTICS	
Until Fall 2028, students can satisfy this requirement with an approved data literacy course, or any approved natural or social science general education course.		
Breadth of Knowledge		13
Social Science – 3 hrs.		
Humanities – 3 hrs.		
Natural & Physical Science (must complete a lab) – 4 hrs.		
Arts – 3 hrs.		
Individual and Social Responsibility		6
Cultural Knowledge – 3 hrs.		
Civic Knowledge and Engagement – 3 hrs.		
MAJOR REQUIREMENTS - 60 Hours Required		
**Course will satisfy UNO's General Education requirement		
^Course requires pre-requisite(s)		
All of the following Emergency Management Courses		30
Minimum of "C-" required		
EMGT 1000	INTRODUCTION TO EMERGENCY MANAGEMENT (**)	
EMGT 2020	EMERGENCY MANAGEMENT STRATEGIES AND COMMUNICATION (^)	
EMGT 2050	POLITICAL AND LEGAL FOUNDATIONS IN EMERGENCY SERVICES (^)	
PA 2170	INTRODUCTION TO PUBLIC ADMINISTRATION (**)	

PA/SOWK/CRCJ 3000	APPLIED STATISTICS AND DATA PROCESSING IN PUBLIC SECTOR (^)
EMGT 3040	PREPAREDNESS/PLANNING AND RISK MITIGATION (^)
EMGT 3080	AGENCY COLLABORATION DURING DISASTERS (^)
EMGT 4060	DISASTER RESPONSE AND RECOVERY (^)
EMGT 4200	INTERNSHIP IN EMERGENCY MANAGEMENT (^)
EMGT 4990	CAPSTONE PROJECT IN EMERGENCY MANAGEMENT (^)
Geospatial Science Concentration Courses	
15	
Select one course from the following	
GEOG 1000	WORLD REGIONAL GEOGRAPHY (**)
GEOG 1020	INTRODUCTION TO HUMAN GEOGRAPHY (**)
GEOL 1010	ENVIRONMENTAL GEOLOGY (**)
Select one course from the following	
GEOG 1030	OUR DYNAMIC PLANET: INTRODUCTION TO PHYSICAL GEOGRAPHY (**)
GEOG 1050	HUMAN-ENVIRONMENT GEOGRAPHY (**)
GEOG 1090	INTRODUCTION TO GEOSPATIAL SCIENCES (** ^)
Select courses from the following to reach a 15-hour minimum	
GEOG 3530	CARTOGRAPHY AND DATA VISUALIZATION (^)
or GEOG 3540	FUNDAMENTALS OF GEOSPATIAL DATA SCIENCE
GEOG 4020	SPATIAL ANALYSIS IN GEOGRAPHY (^)
GEOG 4030	COMPUTER MAPPING AND VISUALIZATION (^)
GEOG 4050	GEOGRAPHIC INFORMATION SYSTEMS I (^)
GEOG 4630	ENVIRONMENTAL REMOTE SENSING (^)
GEOG 4660	GEOGRAPHIC INFORMATION SYSTEMS II (^)
Additional 15-hour Concentration Area	
15	
Criminology and Criminal Justice	
Fire Service Management	
Information Technology and Communication	
Intelligence and Security	
Logistics Management	
Natural Disasters	
Planning and Preparing for Urban Hazards	
Private Sector Management	
Public Administration and Management	
Tribal Management and Emergency Services	
ELECTIVES	
Elective hours as required to reach a total of 120 hours	