

ENVIRONMENTAL HAZARD MANAGEMENT - CERTIFICATE

Program Requirements

Code	Title	Semester	Credit Hours
PLAN 647	Disaster Recovery and Hazard Mitigation		3
Select two of the following:			6
PLAN 634	Environmental Health Policy and Planning		
PLAN 635/ LAND 635	Concepts in Ecological Planning and Design		
PLAN 641	Problems of Environmental Planning Administration		
PLAN 642	Planning for Coastal Sustainability and Resiliency		
PLAN 649	Organizational and Community Response to Crises and Disasters		
PLAN 650	Disaster Response Planning		
PLAN 689	Special Topics in... (must be a hazard/disaster related special topic course)		
Select two of the following: ¹			6
ATMO 629	Climate Change		
COMM 638	Crisis Communication		
COSC 663	Sustainable Construction		
CVEN 610/ PHEO 650	Environmental Risk Assessment		
CVEN 624	Infrastructure Engineering and Management		
CVEN 642/ BAEN 642	Water-Energy-Food Nexus: Toward a Sustainable Resource Management		
CVEN 657	Dynamic Loads and Structural Behavior		
CVEN 664	Water Resources Engineering Planning and Management		
CVEN 669	Design of Structures for Hazardous Environmental Loads		
CVEN 682	Environmental Remediation of Contaminated Sites		
ESSM 624	Terrestrial Ecosystems and Global Change		
ESSM 626	Fire and Natural Resources Management		
ESSM 631	Ecological Restoration of Wetland and Riparian Systems		
ESSM 633	Coastal Processes and Ecosystem Management		
ESSM 636	Wildland Watershed Management		
ESSM 660	Landscape Analysis and Modeling ²		
ESSM 663/ SCSC 663	Applied Spatial Statistics ²		
GEOG 612	Applied Climatology		
GEOG 616	Urban Geography		
GEOG 619	Human Impact on the Environment		
GEOG 621	Land-Use and Land-Cover Change		
GEOG 625/ ENTO 625	Landscape Ecology		
GEOG 634/ WMHS 601	Hydrology and Environment		
GEOG 660	Applications in GIS ²		
GEOG 665	GIS-Based Spatial Analysis and Modeling ²		
GEOG 676	GIS Programming ²		
GEOL 633	River Restoration		
HLTH 609	Applied Epidemiology		
HLTH 629	Environmental Health		
HLTH 631	Community and Public Health		
HPCH 604	Social Ecology and Global Health		
HPCH 625	Health of Refugees and Displaced Populations		
INTA 635	Great Famines, War and Disaster Response		
MARS 610	Environmental Law		
MARS 625	GIS Use in Coastal Resources ²		
MARS 626	Advanced GIS for Coastal Systems ²		
MARS 635	Environmental Impact Statements and Natural Resource Damage Assessment		
MARS 640	Environmental Administrative Law		
MARS 652	Sustainable Management of Coastal Margins		
MARS 655	Wetlands Management		
MARS 675	Environmental Management Strategies		
MARS 676	Environmental Policy		
OCEN 672	Coastal Engineering		
PHEB 605	Epidemiologic Methods I ²		
PHEB 606	Survival Analysis ²		
PHEB 607	Sample Survey Methodology ²		
PHEB 613	Field Epidemiology Methods ²		
PHEB 614	Analysis of Longitudinal and Multilevel Data ²		
PHEB 615	Disaster Epidemiology		
PHEB 618	Spatial Epidemiology ²		
PHEB 624	Social Epidemiology		
PHEB 626	Occupational And Environmental Epidemiology		
PHEO 610	Toxicology in Public Health		
PHEO 611	Environmental Health Assessment		
PHEO 612	Global Environmental Health		
PHEO 613	Introduction to Environmental Health Disparities		
PHEO 614/ SCSC 614	Biodegradation and Bioremediation		
PHEO 615	Environmental Measurement		

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PHEO 625	Environmental and Occupational Health Survey Methods ²
PHEO 639	Hazardous Materials Management and Compliance
PHEO 650	Risk Assessment I
PHEO 676	Environmental Sustainability and Public Health
PHPM 642	Public Health Emergency Preparedness Policy Issues
PHPM 644	Texas Training Initiative For Emergency Response (T-Tier)
PLAN 622/ LAND 622	Critical Place Studies: Theory, Research and Practice
PLAN 625	Geographical Information Systems in Landscape and Urban Planning ²
PLAN 626	Advanced GIS in Landscape Architecture and Urban Planning ²
PLAN 629	Neighborhood Revitalization
RENr 650/ ESSM 676	Leadership, Development and Management of Environmental NGOs
RENr 659	Ecological Economics
RENr 660/ ESSM 672	Environmental Impact Analysis for Renewable Natural Resources
SENG 660	Quantitative Risk Analysis
SENG 677	Fire Protection Engineering
SOCI 617	Comparative Racial-Ethnic Relations
SOCI 647	Seminar in Demography and Human Ecology
SOCI 660	Theories of Race and Ethnic Group Relations
SOCI 661/ WGST 661	Sociology of Gender
SOCI 662	Racism and Anti-Racism
SOPH 602	Investigation and Control: Acute Public Health Events
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Total Semester Credit Hours	15

¹ No more than three credit hours from research methods courses can count toward the EHM certificate.

² Research methods course.

The student must complete a professional study, thesis, or dissertation with an EH focus approved by the EHM Certificate Advisory Council. This project is submitted to the EHM Certificate Coordinator for review and approval by the committee.