

EHM Certificate

➤ Limitation:

- Students must maintain a minimum of **3.0 GPA** for graduation purposes.
- **No more than 50%** of courses required for the degree plan can be taken as Distance Education Courses for non-distance degree programs.

➤ Additional Requirement:

- **Must complete a study, paper, or part or all of a thesis or dissertation with a focus on Environmental Hazards** approved by the Environmental Hazards Management Certificate Advisory Council. This project is submitted to the EHM Certificate Coordinator for review and approval by the committee.

➤ Courses Requirements:

- The Environmental Hazard Management Certificate includes **15 hours** of course work.
- These 15 hours of course work include:
 - **One required course - PLAN 647**
 - **Minimum of 6 hours from Electives A.**
 - **The remaining 6 hours can come from Electives A or B.**
 - ****Limitation:** Only **3 hours** can come from research methods courses. Methods classes are designated with a ** below.
- **Required Class:**
PLAN 647 Hazard Mitigation & Disaster Recovery
- **Electives A: (Minimum of 6 hours)**
PLAN 634 Environmental Health Policy and Planning
LAND/PLAN 635 Ecological Planning & Design
PLAN 641 Environmental Planning
PLAN 642 Planning for Coastal Sustainability & Resilience
PLAN 649 Organizational & Community Response to Crises & Disasters
PLAN 650 Disaster Response Planning
PLAN 689 Special Topics (**Must be a Hazard/Disaster related special topic course**)
- **Electives B: (No more than 6 hours)**

ARCH 622 Sustainable Building Design Technology
ATMO 629 Climate Change
COMM 638 Crisis Communication
COSC 663 Sustainable Construction
CVEN 610 Environmental Risk Assessment
CVEN 624 Infrastructure Engineering and Management
CVEN 642 Water-Energy-Food-Nexus Sustainable Resource Management
CVEN 657 Dynamic Loads and Structural Behavior
CVEN 664 Water Resources Engineering Planning & Management
CVEN 669 Design of Structures for Hazardous Environmental Loads
CVEN 682 Environmental Remediation
ESSM 624 Ecosystems and Global Change
ESSM 626 Fire and Natural Resource 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**
****ESSM 663 Applied Spatial Statistics**
GEOG 612 Applied Climatology
GEOG 616 Urban Geography
GEOG 619 Human Impact on the Environment
GEOG 621 Land Use and Land Cover
GEOG 625 Landscape Ecology
GEOG 676 Natural Hazards
****GEOG 660 Applications in GIS**
****GEOG 665 GIS-Based Spatial Analysis and Modeling**
GEOL 633 River Restoration
HLTH 609 Applied Epidemiology
HLTH 629 Environmental Health
HLTH 631 Community and Public Health
HPCH 625 Health of Refugees and Displaced Populations
HPCH 604 Social Ecology and Global Health
INTA 635 Great Famines, War and Humanitarian Assistance
INTA 639 Homeland Security and Emergency Management
MARS 610 Environmental Law
****MARS 625 GIS Use in Coastal Resource**
****MARS 626 Advanced GIS for Coastal Systems**
MARS 635 Environmental Impact 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**
****PHEB 606 Survival Analysis**
****PHEB 607 Sample Survey Methodology**
****PHEB 613 Field Epidemiology Methods**
****PHEB 614 Analysis of Longitudinal and Multilevel Data**
PHEB 615 Disaster Epidemiology
PHEB 624 Social Epidemiology
PHEB 626 Occupational And Environmental Epidemiology
****PHEB 618 Spatial Epidemiology**
PHEO 610 Toxicology in Public Health
PHEO 611 Environmental Health Assessment
PHEO 612 Global Environmental Health
PHEO 613 Environmental Health Disparities
PHEO 614/SCSC 614 Biodegradation and Bioremediation
PHEO 615 Environmental Measurement
****PHEO 625 Environmental and Occupational Health Survey Methods**
PHEO 639 Hazardous Materials Management and Compliance
PHEO 650 Risk Assessment I
PHEO 676 Sustainability and Health
PHPM 642 Public Health Emergency Preparedness Policy Issues
PHPM 644 Texas Training Initiative For Emergency Response (T-Tier)
****PLAN 625 GIS in Landscape Architecture & Urban Planning**
****PLAN 626 Advanced GIS**
RENr 660/ESSM 672 Environmental Impact Analysis for Renewable
Natural Resources
RENr 650/ESSM 676 Leadership Development and Management of
Environmental NGOs
RENr 659 Ecological Economics
SENG 660 Quantitative Risk Analysis
SENG 677 Fire Protection Engineering
SOPH 602 Investigation and Control: Acute Public Health Events
SOCi 617 Comparative Racial-Ethnic Relations
SOCi 660 Theories of Race and Ethnic Group Relations
****SOCi 622 Social Demography**
****SOCi 647 Urban Spatial Demography**
SOCi 661/WGST 661 Sociology of Gender
SOCi 662 Racism and Anti-Racism
****URSC 641 Analytic Methods in Landscape and Urban Research I**
****URSC 642 Analytic Methods in Landscape and Urban Research II**
WMHS 601/GEOG 634 Hydrology and Environment