

Program Change Request

Date Submitted: 10/23/18 3:25 pm

Viewing: **CERT-CG19 : Environmental Hazard Management - Certificate**

Last edit: 11/12/18 1:47 pm

Changes proposed by: katiereed

Catalog Pages Using [Environmental Hazard Management - Certificate](#)
this Program

Contact(s)

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Academic level	Graduate
Effective Term	2019-2020
Department	Land Arch & Urban Planning College of Architecture
College	Architecture
Program type	Certificate
Associated Program	Not Applicable
With a certificate in	Environmental Hazard Management

Catalog Program Title
Environmental Hazard Management - Certificate

CIP and Fund code **4303020019**

Rationale for Proposal

Revising certificate requirements (adding PLAN 647 as required course), revising elective courses to reflect current course offerings.

Program hours **15**

Is this program eligible for financial aid? **Yes**

Will program hours change (increase/decrease) due to the proposed curriculum changes? **No**

Certificate type
Stand-alone

Program delivery mode
On-campus

In Workflow

- LAUP Department Comm Chair**
- CLAR Department Head**
- LAUP Department Head**
- Curricular Services Review**
- AR Committee Chair**
- AR College Dean**
- GC Preparer**
- GC Chair**
- Faculty Senate Preparer**
- Faculty Senate
- Provost II
- President
- Curricular Services

Approval Path

- 10/23/18 4:14 pm
Galen Newman (gnewman): Approved for LAUP Department Comm Chair
- 11/08/18 9:05 am
Leslie Feigenbaum (l-feigenbaum): Approved for CLAR Department Head
- 11/08/18 9:34 am
Shannon VanZandt (svanzandt): Approved for LAUP Department Head
- 11/12/18 1:48 pm
Angel Mario Carrizales (carri1214): Approved for Curricular Services Review
- 11/14/18 9:20 am
Leslie Feigenbaum (l-feigenbaum): Approved for AR Committee Chair
- 11/16/18 8:44 pm
Leslie Feigenbaum (l-feigenbaum): Approved for AR College Dean
- 11/27/18 11:06 am
LaRhesa Johnson (lrjohnson): Approved for GC Preparer
- 12/13/18 4:22 pm
LaRhesa Johnson (lrjohnson): Approved for GC Chair

Catalog Program Requirements

Code	Title	Semester Credit Hours
Tracks		
Select one of the following Tracks:		12
Hazard Mitigation Track:		
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... (Disaster Recovery and Hazard Mitigation)	
PLAN 616	Analyzing Risk/Hazard and Public Policy	
Elective		
Select a course from the list below 1		3
PLAN 689	Special Topics in... (must be a hazard/disaster related special topic course)	
PLAN 656	Housing and Community	
Emergency Planning Track:		
PLAN 649	Organizational and Community Response to Crises and Disasters	
Select two of the following: 1		6
ARCH 622	Sustainable Building Design Technology	
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/WMHHS 601	Hydrology and Environment	
GEOG 660	Applications in GIS 2	
GEOG 665	GIS-Based Spatial Analysis and Modeling 2	
GEOG 676	GIS Programming 2	
GEO 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 Humanitarian Assistance	
INTA 639	Homeland Security and Emergency Management	
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	

Code	Title
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
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 625	Geographical Information Systems in Landscape and Urban Planning 2
PLAN 626	Advanced GIS in Landscape Architecture and Urban Planning 2
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
SOC1 617	Comparative Racial-Ethnic Relations
SOC1 647	Seminar in Demography and Human Ecology
SOC1 660	Theories of Race and Ethnic Group Relations
SOC1 661/WGST 661	Sociology of Gender
SOC1 662	Racism and Anti-Racism
SOPH 602	Investigation and Control: Acute Public Health Events

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. **Council if this required by the student's major program. This project is submitted to the EHM Certificate Coordinator for review & approval by the committee.**

~~Up to three credits taken in support of the professional study, thesis, or dissertation can count toward the 15-hour requirement in EHM-course work.~~

Course List

Code	Title	Semester Credit Hours
Other Approved Courses in the College of Architecture		
PLAN 634	Environmental Health Policy and Planning	3
PLAN 641	Problems of Environmental Planning Administration	3
Approved Courses Outside the College of Architecture		
GEOG 619	Human Impact on the Environment	3
GEOG 660	Applications in GIS	3
GEOG 665	GIS-Based Spatial Analysis and Modeling	3
GEOG 676	GIS Programming	3
GEOG 696	Geomorphology and Remote Sensing	3
CHEN 655/SENG 655	Process Safety Engineering	3
EVEN 603	Environmental Engineering Management	3
EVEN 682	Environmental Remediation of Contaminated Sites	3
IDEV 673	International Development Planning	3
SENG 674	System Safety Engineering	3
SENG 677	Fire Protection Engineering	3

Additional Requirements

Additional information

Required Proposal [EHM_DegreeEval_MarkUp_20181023.pdf](#)
Forms

Reviewer Comments **Angel Mario Carrizales (carri1214) (10/04/17 4:49 pm):** Rollback: Changes to Existing Certificates Program Requirements require that edited degree evaluation that matches catalog be attached.
Angel Mario Carrizales (carri1214) (11/12/18 1:32 pm): Edits made to conform to catalog style guidelines.
Angel Mario Carrizales (carri1214) (11/12/18 1:48 pm): Initial concerns addressed.

Key: 193

Detail Requirements

David J. Wentling
Oct 05, 2018 03:29 pm

Viewing: Degree Evaluation (DEGEVAL, , Email)
Change Student

Information for Degree Evaluation

This is NOT an official evaluation.

Print Instructions

Program Evaluation

Limitation: Students must maintain a minimum 3.0 Program GPA for graduation purposes.

Limitation: 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 professional study, thesis, or dissertation with an EH focus approved by the EHM Certificate Advisory Council.

Program :	Cert-Environ Haz Mgmt	Catalog Term :	Fall 2018 - College Station
Campus :	College Station	Evaluation Term :	Fall 2018 - College Station
College :	Architecture	Expected Graduation Date :	.
Degree :	GR Certificate	Request Number :	14
Level :	Graduate	Results as of :	Oct 05, 2018
Majors :	Environ Hazard Mgmt	Minors :	
Departments :	College of Architecture	Concentrations :	

This project is submitted to the EHM Certificate Coordinator for review & approval by the committee.

	Met	Credits	Courses		
		Required	Used	Required	Used
Total Required :	No	15.000	0.000		0
Program GPA :	No	3.00	.00		
Overall GPA :	Yes	.00	.00		
Other Course Information					
Transfer :			0.000		0

This is NOT an official evaluation.

Area Courses Counting in GPR - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No		A.	Additional Unused Courses												
													Total Credits and GPA	0.000	.00

unofficial evaluation

Area Certificate Coursework (15.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No		A.	Tracks 12hrs Select one of the following A. Emergency Planning 1. Take PLAN 616. 2. Take PLAN 649. 3. Take PLAN 650. 4. Take PLAN 689. B. Hazard Mitigation 1. Take ARCH 622. 2. Take PLAN 649. 3. Take PLAN 656. 4. Take PLAN 689.												
No	AND	B.	Elective 3hrs Select from CHEN 655; EVEN 603, 682; GEOG 619, 660, 665, 676, 696; LDEV 673; PLAN 614, 634, 641; SENG 674, 677.												

A. PLAN 647 Hazard Mitigation & Disaster Recovery
*B. Electives Minimum of 6 Hours
PLAN 634, 635, 641, 642, 649, 650, 689**
** must be hazard/disaster related special topic course*
*C. Electives No more than 6 hours, & no more than 3 of those 6 can be research methods courses, which are indicated by**

[see complete list next page] →

unofficial evaluation

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[Print](#)

C. Electives

ARCH 622

ATMO 629

COMM 638

COSC 663

CVEN 610, 624, 642, 657, 664, 669, 682

ESSM 624, 626, 631, 633, 636, 660*, 663*

GEOG 612, 616, 619, 621, 625, 676, 660*, 665*

HLTH 609, 629, 631

HPCH 604, 625

INTA 635, 639

MARS 610, 625*, 626*, 635, 640, 652, 655, 675, 676

OCEN 672

PHEB 605*, 606*, 607*, 613*, 614*, 615, 624, 626, 618*

PHEO 610, 611, 612, 613, 614, 615, 625*, 639, 650, 676

PHPM 642, 644

PLAN 625*, 626*

RENR 650, 659, 660

SENG 660, 677

SOPH 602

SOCI 617, 660, 647*, 661, 662

WMHS 601

GEOG ~~633~~ 633