

New Program Proposal

Date Submitted: 02/08/23 9:24 pm

Viewing: **ENRLGC : Environmental Resiliency**

Leadership Graduate Certificate

Last edit: 02/15/23 2:56 pm

Changes proposed by: jkvamme

Submitter:	User ID:	jkvamme	Phone:
479-575-6603			
Program Status	Active		
Academic Level	Graduate		
Type of proposal	Certificate		
Select a reason for this new program	Adding New Graduate Certificate (12-21 semester hours)--(LON)		
Effective Catalog Year	Spring 2024		
College/School Code	Graduate School and International Education (GRAD)		
Department Code	Environmental Dynamics (ENDY)		
Program Code	ENRLGC		
Degree	Master of Science		
CIP Code			

In Workflow

1. GRAD Dean Initial
2. GRAD Dean Initial
3. Provost Initial
4. Director of Curriculum Review and Program Assessment
5. Registrar Initial
6. Institutional Research
7. ENDY Chair
8. GRAD Dean
9. ARCH Dean
10. Global Campus
11. Provost Review
12. Graduate Council
13. Faculty Senate
14. Provost Final
15. Provost's Office-- Documentation sent to System Office
16. Higher Learning Commission
17. Board of Trustees
18. ADHE Final
19. Provost's Office-- Notification of Approval
20. Registrar Final
21. Catalog Editor Final

Approval Path

1. 02/08/23 9:47 am
Christa Hestekin
(chesteki): Rollback to Initiator

2. 02/08/23 6:29 pm
Christa Hestekin
(chesteki): Rollback
to Initiator
3. 02/09/23 8:49 am
Christa Hestekin
(chesteki):
Approved for GRAD
Dean Initial
4. 02/09/23 8:56 am
Christa Hestekin
(chesteki):
Approved for GRAD
Dean Initial
5. 02/09/23 10:56 am
Jim Gigantino
(jiganti): Approved
for Provost Initial
6. 02/14/23 2:16 pm
Alice Griffin
(agriffin): Approved
for Director of
Curriculum Review
and Program
Assessment
7. 02/15/23 2:57 pm
Gina Daugherty
(gdaugher):
Approved for
Registrar Initial
8. 02/15/23 3:09 pm
Doug Miles
(dmiles): Approved
for Institutional
Research
9. 02/15/23 3:10 pm
Christa Hestekin
(chesteki):
Approved for ENDY
Chair

10. 02/15/23 3:14 pm
Christa Hestekin
(chesteki):
Approved for GRAD
Dean
11. 03/15/23 4:43 pm
Melinda Smith
(melindas):
Approved for ARCH
Dean
12. 03/15/23 4:46 pm
Suzanne Kenner
(skenner): Approved
for Global Campus
13. 03/15/23 4:48 pm
Jim Gigantino
(jgiganti): Approved
for Provost Review
14. 04/05/23 2:44 pm
Christa Hestekin
(chesteki):
Approved for
Graduate Council

03.0101 - Natural Resources/Conservation, General.

Program Title
Environmental Resiliency Leadership Graduate Certificate

Program Delivery
Method
Online/Web-based

Is this program interdisciplinary?

Yes

College(s)/School(s)

College/School Name
Graduate School (GRAD)
Fay Jones School of Architecture (ARCH)

Does this proposal impact any courses from another College/School?

No

What are the total 15
hours needed to
complete the
program?

On-line/Web-based Information

Reason for offering

Web-based Program

The Environmental Resiliency Leadership Graduate Certificate is targeting professionals in the workforce who are either increasing their leadership skills and understanding of resiliency or they are taking courses to aid them in a promotion. These individuals need to be able to take meaningful courses at a time that works for their busy work/home schedules.

Maximum Class Size 25
for Web-based
Courses

Course delivery
mode

Method(s)
Online

Class interaction
mode

Method(s):
Electronic Bulletin Boards

Percent Online

100% with No Required Campus Component

Provide a List of
Services Supplied by
Consortia Partners or
Outsourced
Organization

Global Campus is a supporting unit that provides assistance in course development and maintenance, technical support for both faculty and students, quality assurance, and compliance with interstate regulatory requirements to all online programs across the campus.

The only service outsourced is the online proctoring service. The University of Arkansas partners with ProctorU for online test proctoring services for some online exams.

Estimate Costs of the costs will be covered
Program over the by the tuition

First 3 Years

List Courses Taught
by Adjunct FacultyUpload
Memorandum of
Understanding Forms
(if required)

Program Requirements and Description

Requirements

The Leadership Graduate Certificate will create a foundation in earth systems with a focus on social systems. The courses will help students lead and manage in mitigation, adaptation, and transformation to resilience and sustainability. In this certificate students will learn how to identify and work inclusively with stakeholders, effectively lead, and frame issues.

Students enter the program with a minimum of a BS/BA from an accredited university. Students must have a 3 point GPA, or better, and for non-native speakers must have language test scores acceptable for admission by the University of Arkansas graduate school standards.

ENRE 5123 FOUNDATIONS OF ENVIRONMENTAL RESILIENCY	Course ENRE 5123 FOUNDATIONS OF ENVIRONMENTAL RESILIENCY Not Found	3
ENRE 5113 ADAPTIVE LEADERSHIP	Course ENRE 5113 ADAPTIVE LEADERSHIP Not Found	3
ENRE 5213 LEADERSHIP IS CONVENING DO YOU KNOW HOW TO CONVENE?	Course ENRE 5213 LEADERSHIP IS CONVENING DO YOU KNOW HOW TO CONVENE? Not Found	3
ENRE 5313 WORKING WITH STAKEHOLDERS	Course ENRE 5313 WORKING WITH STAKEHOLDERS Not Found	3
ENRE Elective (recommended course listed below)		3
ENRE 5133 SCIENCE COMMUNICATION FOR EXECUTIVES	Course ENRE 5133 SCIENCE	

Total Hours

15

Program Costs

The costs of the program will be covered by tuition.

Library Resources

The University of Arkansas Libraries provides access to information resources that support the educational objectives and outcomes of the University of Arkansas, including the College of Engineering. The libraries house more than 2 million print volumes and over 5.5 million microforms. The annual reports can be found at <http://libinfo.uark.edu/info/annualreport.asp>. All electronic resources purchased by the libraries, including databases, are accessible from anywhere in the world on a 24 hour/7 days per week basis.

There are over 42,000 current journals and serials maintained by the libraries. The journal, book and conference publications, and other engineering societies are well represented in the libraries. Most of the current subscriptions for science and technology journals are in electronic format. The libraries also provide access to full text of newspapers, trade journals magazines, and interdisciplinary scholarly journal articles through Academic Search Complete and Business Source Complete (EbscoHost), ABI Inform (ProQuest), and Academic Universe (Lexis Nexis).

The Libraries maintain a subscription to appropriate portions of Knovel, which enriches access to interactive texts and data sources. Other texts and textbook materials may be purchased as e-books. ASTM, ASCE, and IEEE standards are fully accessible through online venues. A selected number of standards from organizations such as AASHTO, ASME, and ISO are available in the print collection.

Instructional

Facilities

the courses are 100% online and no new or amended facilities will be needed.

Faculty Resources

Global Campus is a supporting unit that provides assistance in course development and maintenance, technical support for both faculty and students, quality assurance, and compliance with interstate regulatory requirements to all online programs across the campus.

List Existing Certificate or Degree Programs
that Support the Proposed Program

Program(s)
ENREMS - Environmental Resiliency, Master of Science

Are Similar Programs available in the area?

No

Estimated Student 10

Demand for Program

Scheduled Program 2030-2031

Review Date

Program Goals and
Objectives

Program Goals and Objectives

The goals and objectives for the Leadership certificate culminate in:

Students will learn to articulate what inspires them to create change that leads to a more resilient world.

Students will learn techniques and skills for becoming mindful leaders of bold change.

Students will learn the skills needed to identify when there is an opportunity to lead.

Students will learn to speak up and act on a wicked problem that they would like to tackle.

Students will know how to authentically engage stakeholders so that they can successfully convene and mobilize people to a shared vision for change.

Students will identify key stakeholders and understand their goals and motivations

Students will clearly present complex technical information, such as scientific data

Learning Outcomes

Learning Outcomes

Students will grow in their understanding of how sustainability and resiliency relate to their role, their work, and their communities.

Students will learn techniques and skills for becoming mindful leaders of bold change.

Students will be able to identify key stakeholders and understand their goals and motivations

Present complex technical information such as scientific data

Communicate the concept of uncertainty and its role in decision making

Demonstrate the ability to discuss the definition of resilience and show knowledge of the vocabulary of common terms used with it.

Demonstrate the differences and similarities between resilience and sustainability, including the use of systems thinking and basic knowledge of socio-ecological systems.

Demonstrate an understanding of methods, theoretical frameworks, and diagnostic uses of tools related to resilience.

Demonstrate an understanding of the science and policy related to sustainability and be able to apply it to resilience thinking.

Demonstrate an understanding of the dynamic aspects of resilience related to hazards and disasters, including tipping points, cascades, and planetary boundaries.

Description and Justification for this request

Description of request	Justification for request
<p>These courses were suggested by members of the professional community. The courses offer expertise often lacking in employees and/or applicants and growth opportunities for early to mid-career employees.</p>	<p>Two workforce analyses were conducted by UA Global Campus to assess the need for this program. The types of jobs in both Workforce Analysis reports tended toward included: program and project managers, compliance officers, and analysts. Communication ranks at the top of employer desired skills, along with leadership (both underreported on applicant resumes). To be successful in these areas the employee needs to understand the basics of sustainability and resilience. Other skills that employers desire often not reported in resumes are data analysis, problem-solving, planning, and risk management. The Leadership Graduate Certificate proposes to address these needs of employers, by giving a background and foundation in sustainability and resilience to set a leadership agenda and provide an understanding of how to communicate and lead towards mitigation, adaption, and transformation.</p>

Upload attachments

[ENRLGC - New Graduate Certificate - Curriculum.docx](#)

[ENRLGC - New Graduate Certificate - Ltr of Notification.pdf](#)

Reviewer Comments

Christa Hestekin (chesteki) (02/08/23 9:47 am): Rollback: Courses need to be input differently.

Christa Hestekin (chesteki) (02/08/23 6:29 pm): Rollback: I changed the layout of the requirements section. Please check for accuracy.

Alice Griffin (agriffin) (02/10/23 12:45 pm): Changed ENRE 5123 Foundations of Resiliency to ENRE 5123 Foundations of Environmental Resiliency to reflect course title submitted in CourseLeaf. School is encouraged to review for accuracy.

Alice Griffin (agriffin) (02/10/23 12:57 pm): Changed scheduled program review date to an academic year.

Alice Griffin (agriffin) (02/10/23 3:16 pm): Added "Environmental Resiliency" to text for reason of web offering for consistency.

Alice Griffin (agriffin) (02/14/23 2:16 pm): Updated supported documents with correct course titles, inserted approval dates, and revised interim titles. In addition addressed typos in document.

Gina Daugherty (gdaugher) (02/15/23 2:56 pm): Removed Undergraduate Council from workflow.

Key: 945