New Program Proposal

Date Submitted: 03/09/23 10:50 am

Viewing: SUSTGM : Sustainability Graduate MicroCertificate

Last edit: 03/15/23 2:46 pm

Changes proposed by: jkvamme

Submitter:	User ID:	jkvamme	Phone:	
479-575-6603				

Program Status	Active
Academic Level	
Type of proposal	MicroCertificate
Select a reason for this new program	Adding New Graduate MicroCertificate
Effective Catalog Year	Fall 2023

College/School Code
   Graduate School and International Education (GRAD)

Department Code
   Environmental Dynamics (ENDY)

Program Code	SUSTGM
Degree	Graduate MicroCertificate
CIP Code	

In Workflow

1. **GRAD Dean Initial**
2. **Director of Curriculum Review and Program Assessment**
3. **Registrar Initial**
4. **Institutional Research**
5. **ENDY Chair**
6. **ARCH Dean**
7. **GRAD Dean**
8. **Global Campus**
9. **Provost Review**
10. **Graduate Council**
11. **Faculty Senate**
12. Provost Final
13. Registrar Final
14. Catalog Editor Final

Approval Path

1. 03/09/23 12:53 pm
   Christa Hestekin (chesteki):
   Approved for GRAD Dean Initial
2. 03/13/23 12:30 pm
   Alice Griffin (agriffin): Approved for Director of Curriculum Review and Program Assessment
3. 03/15/23 7:26 am
   Gina Daugherty (gdaugher): Approved for Registrar Initial

4. 03/15/23 2:46 pm Doug Miles (dmiles): Approved for Institutional Research

5. 03/15/23 2:54 pm Christa Hestekin (chesteki): Approved for ENDY Chair

6. 03/15/23 4:43 pm Melinda Smith (melindas): Approved for ARCH Dean

7. 03/16/23 8:40 am Christa Hestekin (chesteki): Approved for GRAD Dean

8. 03/16/23 8:44 am Suzanne Kenner (skenner): Approved for Global Campus

9. 03/16/23 9:39 am Jim Gigantino (jgiganti): Approved for Provost Review

10. 03/20/23 8:19 am Gina Daugherty (gdaugher): Rollback to Provost Review for Faculty Senate

11. 03/20/23 8:34 am Jim Gigantino (jgiganti): Approved for Provost Review

12. 04/18/23 8:48 am Christa Hestekin (chesteki):

Approved for
Graduate Council

30.3301 - Sustainability Studies.

Program Title

Sustainability Graduate MicroCertificate

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?

Yes

College(s)/School(s)

College/School Name
Fay Jones School of Architecture and Design (ARCH)

What are the total hours needed to complete the program?   9

On-line/Web-based Information

Reason for offering
Web-based Program

This MicroCertificate is for those working to learn more about sustainability and resiliency. This curriculum will create professional growth opportunities for them. The MicroCertificates are able to be combined into a Graduate Certificate or ultimately into a masters in Environmental Resiliency.

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 $15,000
Program over the
First 3 Years

List Courses Taught
by Adjunct Faculty

Upload
Memorandum of
Understanding Forms
(if required)

Program Requirements and Description

Requirements

Environmental Resiliency Sustainability Graduate MicroCertificate

The Environmental Resiliency Sustainability Graduate MicroCertificate will be the first step in understanding sustainability and resilient systems . The foundation will include the ability to analyze the data and to understand

sustainability on a global scale.

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.

SUST 5103	Foundations of Sustainable and Resilient Systems	3
SUST 5203	Decision Making, Analysis and Synthesis in Sustainability	3
SUST 5303	Sustainable Global Food, Energy and Water Systems	3
Total Hours		9

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
ENRSGC - Environmental Resiliency Sustainability Graduate Certificate

Are Similar Programs available in the area?

No

Estimated Student   10
Demand for Program

Scheduled Program   NA
Review Date

Program Goals and
Objectives

Program Goals and Objectives
The goals and objectives for the Environmental Resiliency Sustainability Graduate MicroCertificate are: To learn the foundations of sustainability across the five pillars To learn how to apply the frameworks of the four pillars and understand tradeoffs To understand the implications of the application of sustainability theories, principles, and methods from the five pillars

Learning Outcomes

Learning Outcomes
The learning outcomes for the Sustainability Graduate MicroCertificate are: To demonstrate an understanding of the five pillars of sustainability for the purposes of having a broad and integrated view from a systems-thinking and ecological justice framework. To demonstrate the application of the principles, theories, and methods contained in the five pillars of sustainability for the purposes of understanding tradeoffs To demonstrate the use of sustainability theories, principles, and methods within the five pillars of sustainability in case studies for the purposes of understanding the implications of sustainability-based projects on existing contexts.

Description and Justification for this request

Description of request	Justification for request
This curriculum is necessary to build capacity in the citizenry and workforce. The curriculum and courses will help	Two workforce analyses were conducted by UA Global campus showed jobs that are on the rise require a understanding of sustainability. These

Description of request	Justification for request
employees with professional growth in understanding, applying, and evaluating sustainability.	courses will not only lead the students toward a better understanding of sustainability it will grow opportunities for early to mid-career employees who are interested in moving their workplace to a more sustainable future.

Upload attachments

Reviewer Comments

Alice Griffin (agriffin) (03/09/23 4:41 pm): Changed scheduled program review date to NA. As, program reviews are not conducted on MicroCertificates.

Alice Griffin (agriffin) (03/09/23 4:45 pm): Changed program code from SUSTGMC to SUSTGM to match campus naming convention.

Alice Griffin (agriffin) (03/09/23 4:47 pm): Changed all uses of Micro Certificate to MicroCertificate for consistency with campus naming convention.

Alice Griffin (agriffin) (03/09/23 4:48 pm): Reformatted program requirements by moving the text above the course list and inserting a header for the program title.

Gina Daugherty (gdaugher) (03/15/23 7:26 am): Removed Undergraduate Council from workflow.

Doug Miles (dmiles) (03/15/23 2:46 pm): Changed CIP code from 03.0101 to 30.3301 to be consistent with SUSTGC

Gina Daugherty (gdaugher) (03/20/23 8:19 am): Rollback: Rolling back to insert Graduate Council that was missed in workflow.

Key: 957