



**ENVIRONMENTAL RESILIENCY GRADUATE PROGRAM STUDENT HANDBOOK
UNIVERSITY OF ARKANSAS 2024-25**

EARTHRISE, IMAGE CREDIT, NASA, BY BILL ANDERS, 1968

ENVIRONMENTAL RESILIENCY PROGRAM STUDENT HANDBOOK

TABLE OF CONTENTS

PAGE 3

INTRODUCTION

UNIVERSITY OF ARKANSAS GRADUATE SCHOOL HANDBOOK WEBLINK

DESCRIPTION OF ENVIRONMENTAL RESILIENCY PROGRAMS

PURPOSE AND GOALS

PAGE 4

PROGRAM CONTACTS

CURRICULUM FOCUS FOR STUDENTS OF ENRE GRADUATE PROGRAMS

ADMINISTRATIVE STRUCTURE AND CONTACTS

EXAMPLE OF PROGRAM SCHEDULES

PAGE 5

REGULAR SEMESTERS COURSES ARE TAUGHT

REQUIREMENTS FOR EACH PROGRAM

PAGE 6

REQUIREMENTS FOR EACH PROGRAM (CONTINUED - CERTIFICATES)

PAGE 7

ADMISSIONS REQUIREMENTS AND PROCEDURES

FINANCIAL ASSISTANCE

PAGE 8

CORE CURRICULUM AND ELECTIVE COURSES

GRADUATE CERTIFICATES COURSE OF STUDY PLAN

PAGE 9

GRADUATE CERTIFICATES COURSE OF STUDY PLAN (CONTINUED)

ENVIRONMENTAL RESILIENCY GRADUATE MICRO CERTIFICATES COURSE OF STUDY PLAN

PAGE 10

FACULTY ADVISOR AND ADVISORY COMMITTEE

STACKING CERTIFICATES

ACADEMIC WARNING POLICY

MISCELLANEOUS INFORMATION

GRADUATION

ENVIRONMENTAL RESILIENCY PROGRAM STUDENT HANDBOOK

INTRODUCTION

The Environmental Resiliency (ENRE) graduate programs are a joint effort between the Graduate School and International Education and Fay Jones School of Architecture that were launched in the Spring of 2024. The material in this handbook will help you navigate our various ENRE programs. This is a supplement to the University of Arkansas Graduate Handbook and Graduate Catalog.

UNIVERSITY OF ARKANSAS GRADUATE SCHOOL HANDBOOK

<https://graduate-and-international.uark.edu/graduate/current-students/student-support/student-resources/graduate-handbook/index.php>

DESCRIPTION OF ENVIRONMENTAL RESILIENCY PROGRAMS

The nine programs are designed to be stand alone or may be ‘stackable’ courses for completing multiple certificates or the masters degree. All classes are taught online in eight-week modules. All courses are three credit hours, and everyone receives in-state tuition rates.

One Master’s program ENREMS - There are ten courses required and there is no thesis requirement.

Four Graduate Certificates - There are five courses required.

-Environmental Resiliency Graduate Certificate ENREGC

-Environmental Resiliency Leadership Graduate Certificate ENRLGC

-Environmental Resiliency Certifications, Accounting and Metrics Graduate Certificate ENRCGC

-Environmental Resiliency Sustainability Graduate Certificate ENRSGC (*different from the Sustainability Graduate Certificate on campus!*)

Four Graduate Micro Certificates - There are three courses required.

-Environmental Resiliency Graduate Micro Certificate ENREGM

-Environmental Resiliency Leadership Graduate Micro Certificate ENRLGM

-Environmental Resiliency Certifications, Accounting and Metrics Graduate Micro Certificate ENRCGM

-Sustainability Graduate Micro Certificate SUSTGM (*different from on campus SUSTGC: 100% online!*)

All coursework may be used multiple times to fulfill requirements within other certifications and toward the Master’s in Environmental Resiliency. However, an individual course may only be used once per each certificate or toward the masters.

PURPOSE AND GOALS

The program is designed for working individuals who seek to hone skills in resiliency and sustainability, help their employer while furthering their career with certifications or a master’s degree, or for those choosing to pursue resiliency and sustainability employment.

Please note if you are looking for a master’s program that will lead toward entering a PhD program you may want to consider the Environmental Dynamics Program which is a face-to-face research degree leading to a masters or PhD. For More information ENDY@uark.edu

CONTACTS

Professor Ken McCown, Director, Resiliency and Sustainability Curriculums
kennethm@uark.edu

Jo Ann Kvamme, Chief Program Administrative Lead
enre@uark.edu

Jo Ann Kvamme handles the logistics of the program from your initial inquiry into our program through to your graduation from your program of study. She will help you with the procedures involved in application, registration, and management of your graduate curriculum. Ken McCown will provide academic advising from the perspectives of career focus and academic strategy. Please do not hesitate to contact either of us regarding any issues you may be having during your academic experience with us. We are dedicated to student success in the Environmental Resiliency curriculums.

ADMINISTRATIVE STRUCTURE

The program is in the Graduate School and International Education (GSIE) unit of the University of Arkansas, Fayetteville. All students are part of GSIE Interdisciplinary graduate programs. Students may contact enre@uark.edu any time with questions or concerns.

Executive leadership of the program includes: The Dean of Fay Jones School of Architecture, Dean of Graduate School and International Education, Director of Environmental Resiliency and the Director of Environmental Dynamics. The Director of Environmental Resiliency will serve as your principal point of contact along with the administrative staff leader of the program.

CURRICULUM FOCUS FOR STUDENTS OF ENRE GRADUATE PROGRAMS

The ENRE programs provide students with a better understanding of the challenges of resiliency and sustainability in our private, governmental, and non-profit agencies. These programs may add value to you as an employee and develop your skill set enabling you to assist your employer in making better decisions regarding resiliency and sustainability or start you on a new career path.

EXAMPLE OF PROGRAM SCHEDULES

The *graduate micro certificate* may be completed in two semesters with one course in each 8 weeks of a major semester (Spring or Fall) and one course in summer.

The *graduate certificates* are five courses and may be completed in one year with one course each eight-week session for both spring and fall semesters plus a summer course.

The *master's degree* is 10 courses: 30 hours. This may be completed in two years if in each major semester the student takes one course each in the eight-week sessions and one in the summer.

It is possible to complete these programs more quickly if multiple courses are taken every eight weeks. Please remember that while the courses are eight weeks they cover a full semester of material so they may be intense.

Once a course is completed it may be used toward multiple certifications, certificates, and ultimately the masters.

REGULAR SEMESTERS COURSES ARE TAUGHT

All courses repeat once a year with the exception of ENRE 5123 which is offered each semester.

Spring 2024 *1st Eight week*

ENRE 51203 Foundations of Resiliency
ENRE 53203 Survey of Watershed Hydrology and Water Resource Management
ENRE 51303 Communications for Executives
SUST 51003 Foundations of Sustainable and Resilient Systems
SUST 69103 Sustainable Design and Construction: Remediation and Plants on Structure

2nd Eight week

ENRE 53303 ESG Reporting
ENRE 51103 Adaptive Leadership
SUST 52003 Decision Making, Analysis and Synthesis in Sustainability

Summer 2024 *(Only one 8 week session)*

ENRE 51203 Foundations of Resiliency
ENRE 52203 Carbon Accounting
ENRE 52103 Leadership is Convening, Do You Know How to Convene?
ENRE 54203 Business and the Environment

Fall 2024 *1st Eight week*

ENRE 51203 Foundations of Resiliency
ENRE 53103 Working with Stakeholders
ENRE 54303 Built Environment Systems

2nd Eight week

ENRE 52203 You cannot Manage what You Do Not Measure
SEVI 50203 Sustainability in Business
SUST 53003 Sustainable Global Food, Energy and Water Systems

REQUIREMENTS FOR EACH PROGRAM

Masters (total 10 courses) no thesis

You will need to form a masters committee with three members. Once you take a few courses and know some of the professors you will complete the Masters Committee form with Professor McCown as the chair and two instructors from your courses). <https://graduate-and-international.uark.edu/resources/forms/masters-committee.pdf>
You check "Advisory Committee". This form is submitted to the ENRE office ENRE@uark.edu

Requirements:

- ENRE 51203 Foundations of Resiliency
- SUST 51003 Foundations of Sustainable and Resilient Systems
- SUST 52003 Decision Making, Analysis and Synthesis in Sustainability
- SUST 53003 Sustainable Global Food, Energy and Water Systems

Plus 6 other elective courses: <https://catalog.uark.edu/search/?edition=2023-24&P=enre>

Graduate Certificate (total 5 courses)

Requirements:

- Graduate Certificates require: ENRE 5123 Foundations of Resiliency and courses listed below.

ENREGC -Environmental Resiliency Graduate Certificate

- ENRE 52203 You Cannot Manage What you Do not Measure
- ENRE 53203 Survey of Watershed Hydrology and Water Resource Management
- ENRE 54203 Business and the Environment
- plus one elective (recommended ENRE 51103 Adaptive Leadership)

ENRLGC -Environmental Resiliency Leadership Graduate Certificate

- ENRE 51103 Adaptive Leadership
- ENRE 53103 Working with Stakeholders
- ENRE 52103 Leadership is Convening, Do You Know How to Convene?
- plus one elective (*recommended*: ENRE 51303 Communications for Executives)

ENRCGC -Environmental Resiliency Certifications, Accounting and Metrics Graduate Certificate

- ENRE 52203 You Cannot Manage What you Do not Measure
- ENRE 53303 ESG Reporting
- ENRE 52203 Carbon Accounting
- ENRE 54303 Built Environment Certification Systems
- An elective may substitute with approval (*recommended*: ENRE 51303 as above in ENRLGC)

ENRSGC -Environmental Resiliency Sustainability Graduate Certificate

- SUST 51003 Foundations of Sustainable and Resilient Systems
- SUST 52003 Decision Making, Analysis and Synthesis in Sustainability
- SUST 53003 Sustainable Global Food, Energy and Water Systems
- plus one elective (*recommended*: SUST 69103 Sustainable Design and Construction: Remediation and Plants on Structure or SEVI 50203 Sustainability in Business)

Graduate Micro Certificate (3 courses)

- Graduate Micro Certificates require : *ENRE 5123 Foundations of Resiliency* and courses below.

ENREGM -Environmental Resiliency Graduate Micro Certificate

(ENRE 5123 Foundations of Resiliency required)

Choose two of the three elective courses below:

- ENRE 52203 You Cannot Manage What you Do not Measure
- ENRE 53203 Survey of Watershed Hydrology and Water Resource Management
- ENRE 54203 Business and the Environment

ENRLGM -Environmental Resiliency Leadership Graduate Micro Certificate

(ENRE 5123 Foundations of Resiliency required)

Choose two of the three elective courses below:

- ENRE 51103 Adaptive Leadership

- ENRE 51303 Communications for Executives
- ENRE 52103 Leadership is Convening, Do You Know How to Convene?
- ENRE 53103 Working with Stakeholders

ENRCGM -Environmental Resiliency Certification, Accounting and Metrics Graduate MicroCertificate

(ENRE 5123 Foundations of Resiliency required)

Choose two of the three elective courses below:

- ENRE 5233 Carbon Accounting
- ENRE 5333 ESG Reporting
- ENRE 5433 Built Environment Certification System

SUSTGM -Sustainability Graduate Micro Certificate

All courses listed below required for this Micro Certificate:

- SUST 5101 Foundations of Sustainable and Resilient Systems
- SUST 5203 Decision Making, Analysis and Synthesis in Sustainability
- SUST 5303 Sustainable Global Food, Energy and Water Systems

ADMISSION REQUIREMENTS AND PROCEDURES

A. University of Arkansas Graduate School and International Education

1. Admission Requirements

Students are required to have a BA/BS from an accredited university or college and a 3.0 GPA. <https://graduate-and-international.uark.edu/graduate/future-students/applying/degree-seeking.php>. International students must document proof of English proficiency through one of the accepted English Proficiency tests <https://international-admissions.uark.edu/graduate-studies/english-proficiency.php>

2. Apply!

To apply to the ENRE program go to <https://graduate-and-international.uark.edu/graduate/future-students/applying/degree-seeking.php> Please note we accept applications for this program all year long.

3. To complete an application you must:

- fill out an application,
- upload your transcript(s),
- language exams (if applicable), and
- pay the fee
- Do NOT forget to hit submit your application!

Only once these steps are complete may we review your application.

Once a student is admitted you will receive a letter stating that you must accept. You must complete this step in your application portal. Next, you will receive information how to create an UARK account which will be needed for your coursework.

FINANCIAL ASSISTANCE

Limited financial aid is available including the W. E. Manning Memorial Scholarship. See the website for details and eligibility <https://online.uark.edu/manning-scholarship/>

CORE CURRICULUM AND ELECTIVE COURSES

The courses required depend on the focus and rigor of the program selected. The required courses for each certificate, microcertificate, and master's are in the next section. All ENRE courses are 8 weeks in duration and 100% online!

Students with a strong sustainability background may be able to exchange some of the sustainability courses for others with content not as familiar to them. This is done on a case-by-case basis and the decision of the Program Director is final.

A. Course Requirements and Recommended Electives

ENRE 5123 Foundations of Resiliency is required for all certificates and degree with the exception of the Environmental Resiliency Sustainability Graduate Micro Certificate SUSTGM. Required and elective courses are listed above with each certificate or degree option. Where a course is a recommended elective you may discuss whether another course would be better for your specific needs.

Below is an example of the masters degree start to completion. The timing is based on when courses are currently taught (be aware this could change in the future). This is only one of many possibilities and only used here to give the student an idea how they may progress through the program,

Example of Program Schedules

Depending on a student's interests and desired time frame the micro certificates may be completed in less than one year, the graduate certificates in one year and the masters in 18 months. Of course, the rate of speed is meant to be flexible to allow our students to take courses when it fits your schedule. Each semester there is at least one course from each of the degree/certificate/micro certificate areas.

Example for each program (only the courses with an * are required; the other 6 courses are in your area of interest). You may start the program any semester.

ENREGM -Environmental Resiliency Graduate Micro Certificate

- Summer *ENRE 51203 Foundations of Resiliency (*taught each semester*)
- Fall *ENRE 51203 Foundations of Resiliency (*taught each semester*)
- Spring *SUST 53003 Sustainable Global Food, Energy and Water Systems
*SUST 51003 Foundations of Sustainable and Resilient Systems
*SUST 52003 Decision Making, Analysis and Synthesis in Sustainability
- Summer Elective
- Fall Two Electives
- Spring Two Electives

GRADUATE CERTIFICATES *Please note this is only a possible set of courses as there are other suitable electives (E)*

ENRSGC -Environmental Resiliency Sustainability Graduate Certificate

- Spring ENRE 5323 Survey of Watershed Hydrology and Water Resource Management
ENRE 5113 Adaptive Leadership (E)
- Summer *ENRE 51203 Foundations of Resiliency (*taught each semester*)
ENRE 54203 Business and the Environment
- Fall ENRE 52203 You cannot Manage what You Do Not Measure

ENRLGC -Environmental Resiliency Leadership Graduate Certificate

- Fall ENRE 5313 Working with Stakeholders

- Spring *ENRE 51203 Foundations of Resiliency (*taught each semester*)
ENRE 51303 Communications for Executives (E)
- Summer ENRE 5113 Adaptive Leadership
ENRE 52103 Leadership is Convening, Do You Know How to Convene?

ENRCGC -Environmental Resiliency Certifications, Accounting and Metrics Graduate Certificate

- Spring *ENRE 51203 Foundations of Resiliency
ENRE 53303 ESG Reporting
- Summer ENRE 52203 Carbon Accounting
- Fall ENRE 54303 Built Environment Systems
ENRE 52203 You cannot Manage what You Do Not Measure (E)

ENRSGC -Environmental Resiliency Sustainability Graduate Certificate

- Summer ENRE 51203 Foundations of Resiliency
- Fall SEVI 50203 Sustainability in Business (E)
*SUST 53003 Sustainable Global Food, Energy and Water Systems
- Spring SUST 5103 Foundations of Sustainable and Resilient Systems
SUST 5203 Decision Making, Analysis and Synthesis in Sustainability

ENVIRONMENTAL RESILIENCY GRADUATE MICRO CERTIFICATES (*one shown option with other electives available*)

Environmental Resiliency Graduate Micro Certificate (ENREGM)

- Spring ENRE 51203 Foundations of Resiliency
- Summer ENRE 54203 Business and the Environment
- Fall ENRE 52203 You cannot Manage what You Do Not Measure

Environmental Resiliency Leadership Graduate Micro Certificate (ENRLGM)

- Fall ENRE 51203 Foundations of Resiliency
- Spring ENRE 5113 Adaptive Leadership
- Summer ENRE 52103 Leadership is Convening, Do You Know How to Convene?

Environmental Resiliency Certifications, Accounting and Metrics Graduate Micro Certificate (ENRCGM)

- Fall ENRE 51203 Foundations of Resiliency
- Spring ENRE 53303 ESG Reporting
- Summer ENRE 52203 Carbon Accounting

Sustainability Graduate Micro Certificate (SUSTGM)

- Spring *SUST 51003 Foundations of Sustainable and Resilient Systems
*SUST 52003 Decision Making, Analysis and Synthesis in Sustainability
- Fall *SUST 53003 Sustainable Global Food, Energy and Water Systems

FACULTY ADVISOR AND ADVISORY COMMITTEE

Students will work with the ENRE program coordinator to ensure they are taking the courses needed to fulfill the certificate or degree of choice. Students registered for the master's degree will choose an advisory committee. (<https://graduate-and-international.uark.edu/resources/forms/masters-committee.pdf>). This committee is comprised of three people generally including the Program Director and two instructors. Since no thesis is required with this program just check Advisory Committee.

STACKING CERTIFICATES

Stacking certificates are defined as when courses used for one certificate may also be used for additional certificates enabling the student to quickly add additional credentials (no course may be counted more than once per certificate or degree).

An example being: You may start with a Micro Certificate in Sustainability and by adding two courses you would qualify for a Graduate Certificate (remember you must apply for each program separately). Alternatively, you may be in the master's program and decide you would also like one or multiple Graduate Micro Certificates or Graduate Certificates depending on your coursework, this is allowable.

ACADEMIC WARNING POLICY

In the event of grades dropping below the University of Arkansas requirements such that you are placed on academic probation you will not be able to progress toward your certification or degree until the warning is lifted.

MISCELLANEOUS INFORMATION

A. Grievance Procedure

If a discrepancy between the instructor and students arises the students shall follow the steps below:

- 1. Contact the instructor directly in writing (or email) and state the nature of the problem.*
2. If the instructor is not able to resolve the problem to the student's satisfaction, the student contacts the ENRE Director, Professor McCown kennethm@uark.edu in writing outlining them.
3. If the Director is not able to resolve the problem the student must proceed through a formal appeal procedure describing in the graduate School catalog <https://catalog.uark.edu/undergraduatecatalog/academicregulations/studentacademicappeals/>

GRADUATION

You must apply to graduate in UACONNECT before the deadline in the semester you wish to receive your degree and complete all courses by the deadline for the specific semester. <https://graduate-and-international.uark.edu/graduate/current-students/commencement-graduation.php>