

Northwest Arkansas Community College
(Science and Mathematics Division)

Discipline Code
ENSC

Course Number
2921

Course Title
Undergraduate Research I

Catalog Description

Students participate in a faculty led research project in a laboratory science area of interest not served by a traditional course. One hour of environmental lab science credit.

Prerequisites

One science class that contains a lab with a grade of C or better and/or instructor consent

Credit Hours

1 credit hour

Contact hours

22 lab contact hours

Load hours

1 load hour

Semesters Offered

Fall, Spring

ACTS Equivalent

None

Grade Mode

A-F

Learning Outcomes

Students completing this course will have played an active role in the discovery of knowledge and/or application of knowledge in one or more of the following areas:

- organizing and synthesizing information to answer a scientific question.
- gathering relevant information involving scientific literature research.
- documenting scientific procedures to ensure repeatability.
- developing practical lab skills.
- analyzing data collected.
- interpreting the impacts of the research on the scientific knowledge base.

- disseminating scientific results.

General Education Outcomes Supported

None

Standard Practices

Topics list

- Scientific methodology
- Scientific reasoning
- Safety protocols
- Basic and advanced scientific protocols
- Data collection and interpretation

Learning activities

- Courses must, at a minimum, cover the core learning outcomes.

Assessments

- Research findings will be presented in a written or oral manner.

Grading guidelines

- A minimum of 70% of the grade must be proctored, supervised, or otherwise verified.

Revision Date

April 8, 2021