

Northwest Arkansas Community College
Division of Science & Mathematics

ENSC 2921 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.

Prerequisite: One science class that contains a lab and/ or instructor consent

Credit hours/ Contact hours/Load hours: 1/1.5/1

Target Audience & Transfer: Students seeking science degrees or laboratory based employment. This course will transfer as an elective lab credit.

Student 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.

Topics:

Scientific methodology

Scientific reasoning

Safety protocols

Basic and advanced scientific protocols

Data collection and interpretation

Forms of Assessment: Research findings will be presented in a written or oral manner.