Iowa Sciences Academy

Director
- Lori Adams (Biology)

Faculty: https://isa.uiowa.edu/people
Website: https://isa.uiowa.edu/

Courses

Iowa Sciences Academy Courses

ISA:1040 Exploring Research 1 s.h.
Professional and career development; tours of scientific research facilities and laboratories on campus; network with professors and graduate students; explore different types of research environments on campus; learn how to identify and contact potential research mentors.

ISA:1041 Entering Research 1 s.h.
Complement to independent scientific research experience; students meet weekly to share research experiences; students gain experience searching peer-reviewed literature databases; reading and summarizing peer-reviewed scientific papers.

ISA:2040 Professionalism in the Scientific Community 1 s.h.
Development of communication skills and appropriate professional conduct while maintaining ethical standards; further understanding of ethical issues in student's field, improve communication of student's research to the public, and understanding the significance of professional conduct, networking, and diversity within student's field.

ISA:2041 Career Exploration and Specification 1 s.h.
Students define career goals, increase knowledge about the process of obtaining a graduate or professional degree, and create personal plans for future academic and research endeavors.

ISA:3040 Critical Analysis of Primary Literature 1 s.h.
Development of critical thinking and research skills through analysis of primary scientific research literature to demystify and humanize research science; how to analyze components of a good empirical article; students present a research paper from literature in their field of interest as preparation to contribute to future empirical manuscripts. Requirements: minimum of 60 s.h. earned and junior or senior standing.

ISA:3041 Pathways to Post-Undergraduate Education 1 s.h.
Successful preparation for graduate school application process; students learn how to write their own curriculum vita, personal statements, research statements, and graduate school application action plan. Requirements: minimum of 60 s.h. earned and junior or senior standing.

ISA:3992 Iowa Sciences Academy Undergraduate Research 0 s.h.
Registration in a section taught by student's research mentor. Requirements: participation in Iowa Sciences Academy.