

FIRE - FIRST-YEAR INNOVATION & RESEARCH EXPERIENCE

FIRE120 FIRE SEMESTER 1 (3 Credits)

Engages the research process through the design, research, collaborative authorship and iterative review-based refinement of research proposals. Students find and analyze primary literature, think creatively, author and communicate research proposals in a scholarly fashion and work collaboratively to solve scientific and societal problems using technology, delegation and productive team communication.

Additional Information: This is the first course in the FIRE (First-Year Innovation & Research Experience) program sequence.

FIRE198 FIRE SEMESTER 2 (2 Credits)

This is the second course in the FIRE (First-Year Innovation & Research Experience) program sequence. Students in this course join a research stream and gain discipline-specific training in that lab. This course focuses on the concepts related to the process of independent research including collaboration with peers, communication of ideas, troubleshooting unexpected outcomes, and discipline-specific methodologies.

Recommended: FIRE120.

FIRE199 Research Internship (3 Credits)

Research and mentorship-centered course designed to provide research experience, technical skill sets, an understanding of the expectations and requirements of research environments, and broad professional development. Students in this course work directly with a faculty mentor and peers in laboratory and other research environments on the design and fulfillment of authentic and discipline-relevant research outcomes. The iterative advancement of final research products contributes to the development of higher capacities in collaboration and teamwork, communication, critical thinking, and discipline-specific training and skill sets.

Repeatable to: 12 credits.

FIRE298 FIRE Semester 3 (3 Credits)

Capstone course in the FIRE (First-Year Innovation & Research Experience) program sequence. Students in this course transition from trainee to practitioner in their lab. This course focuses on the concepts related to the process of independent research including collaboration with peers, communication of ideas, troubleshooting unexpected outcomes, and discipline-specific methodologies.

Prerequisite: FIRE198.

Repeatable to: 3 credits.

FIRE398 FIRE Research Leadership (1-3 Credits)

Earn academic credit for the time spent supporting, mentoring, and leading students in FIRE Research streams.

Prerequisite: FIRE298.

Repeatable to: 12 credits.