

FIRE - FIRST-YEAR INNOVATION & RESEARCH EXPERIENCE

FIRE120 FIRE SEMESTER 1 (3 Credits)

Engages the research process through the design, research, collaborative authorship and iterative refinement to establish an original research trajectory. Students find and analyze primary and secondary sources, think creatively, identify gaps in existing literature, and communicate a research plan in a scholarly fashion. Students work collaboratively to solve scientific and societal problems using technology and creative inquiry through productive team communication.

Restriction: Must be a first-semester student in The First-Year Innovation & Research Experience (FIRE) program.

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

FIRE198 FIRE SEMESTER 2 (2 Credits)

This is the second course in the First-Year Innovation & Research Experience (FIRE) program sequence. Students in this course join a research stream and gain discipline-specific training in that research setting. 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.

Restriction: Must be a second-semester student in The First-Year Innovation & Research Experience (FIRE) program.

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.