

What is SIIRE?

The goal of the SIIRE project is to increase the number of students that complete a bachelor's and master's engineering degree program with experience to tackle real-life problems in industry. SIIRE provides students a structured pathway to success starting as early as the sophomore year and continuing on through graduate studies. Integrated industry-based internships, on-campus university-based research and renewable scholarships provide the cornerstones of the SIIRE program.

This program advances the discovery and dissemination of research that bridges undergraduate experiences with the attainment of graduate engineering degrees. Furthermore, it strengthens industry partnerships and develops highly trained workforces, by systematically creating a pipeline of diverse engineering professionals.



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Student Integrated Intern Research Experience

SIIRE

A Pathway to Graduate Studies



UNIVERSITY OF
ARKANSAS
COLLEGE OF
ENGINEERING



Who qualifies for SIIRE?

SIIRE undergraduate students must meet the following criteria:

- Must be a US citizen, permanent resident, national or refugee eligible to receive NSF funds;
- Must receive a UA renewable scholarship;
- Must have financial need as determined by the federal government through FAFSA submission;
- Must pursue a bachelor of science degree in engineering and be a full-time engineering student;
- Must demonstrate a work ethic, time management skills, communication skills and professionalism;
- Must agree to participate in all parts of the program.

How does SIIRE work?

The length of the program from beginning to end is three years for the undergraduate portion and approximately a year and a half for the graduate portion. Thus, a student would graduate in roughly five and a half years.

The program is divided in the following ways:

Phase 1

Freshman students are recruited and can apply during their Spring semester for Phase 1 scholarship (\$1000 per semester) that starts in the fall of their Sophomore year.

During the sophomore year the student is matched with participating College of Engineering faculty. The student will participate in career enrichment activities.

In the summer between the sophomore and junior year, students will participate in a co-op or research experience. A faculty member will serve as a mentor during the co-op or research experience.

Junior year, in the fall, students develop a phase 2 application (essentially a preliminary graduate school application).

Phase 2

In the spring semester of the junior year, students continue enrichment activities and they identify possible co-op and research opportunities.

During the summer of the Junior year the student will participate in a co-op or research experience.

In the student's senior year, the scholarship will be increased to \$2000 per semester, they will continue their enrichment activities and apply for graduate school.

Enrichment activities available through SIIRE:

Seminars:

- How To Be An Effective Mentee; Time Management
- Effective Oral & Written Communications
- Resume Writing & Job Search Skills
- Developing Research Skills
- 7 Habits of Highly Effective People
- Presenting and Communicating Research
- Transition from Student to Employee
- Ethics in Research and Professional Life

Workshops:

- Applying for Graduate Schools
- Writing and Presenting a Business Case

How do I apply?

1. Complete a UA Current Student Scholarship Application (<http://scholarships.uark.edu/1244.php>)
2. Student must submit a FAFSA and demonstrate financial need.

