Missouri University of Science and Technology
Rolla, Missouri

Kummer College
Team Innovation Projects

Help Deep Fission Build a Reactor!

The Opportunity

Participate in the development of Deep Fission's Get ready to work on a groundbreaking project that could shape the future of energy in Missouri! The Team Innovation Projects (TIP) program is partnering with Deep Fission on the development of their Gravity™ Reactor under the U.S. Department of Energy Reactor Pilot Program.

This is not a hypothetical exercise—it is a live project with secured partnerships and DOE support. This project aims to fast-track the deployment of a Deep Fission reactor and ultimately leverage the experience to develop a commercial reactor.

Project Scope & Impact

As a member of this elite TIP team, you will work with three other students and Deep Fission's engineering team and be directly involved in the development of a cutting-edge nuclear power solution.

- **Strategic Collaboration:** Work with Deep Fission to design their DOE Pilot Project.
- **Project Development:** Formulate a Memorandum of Understanding (MOU) between Deep Fission and Missouri S&T.
- **Offtake Planning:** Support the offtake agreement process.
- **Partnership Integration:** Coordinate with local and regional utilities for potential commercial development.

Note: All work generated by the TIP team will be owned by Deep Fission.

Who Should Apply

Motivated and exceptional students at all levels who are eager to take a concept from the proposal stage to reality.

This project is particularly well-suited for those interested in:

- **Nuclear and Power Systems:** Students in any discipline who are focusing on reactor design, integration, and power grid operations.
- **Computing and Infrastructure:** Students in Computer Science, Data Science, or Civil Engineering interested in high-power-demand infrastructure or AI data centers.
- **Project Management and Policy:** Students interested in the development lifecycle of major energy projects, regulatory approval (MOU/Offtake), and strategic partnership negotiation.

Requirements

- Commit 10-15 hours per week during the semester.
- Travel as needed to the DOE Pilot Project site.
- Passion for sustainable energy and commercializing next-generation technology.

TO APPLY:

Submit your résumé and a brief statement of interest (no more than 500 words) detailing your relevant experience and why you want to be part of the future of nuclear energy in Missouri to Dr. Joshua Schlegel (schlegelj@mst.edu) by December 15, 2025.

Do not miss this chance to gain unparalleled, hands-on experience in the nuclear industry!