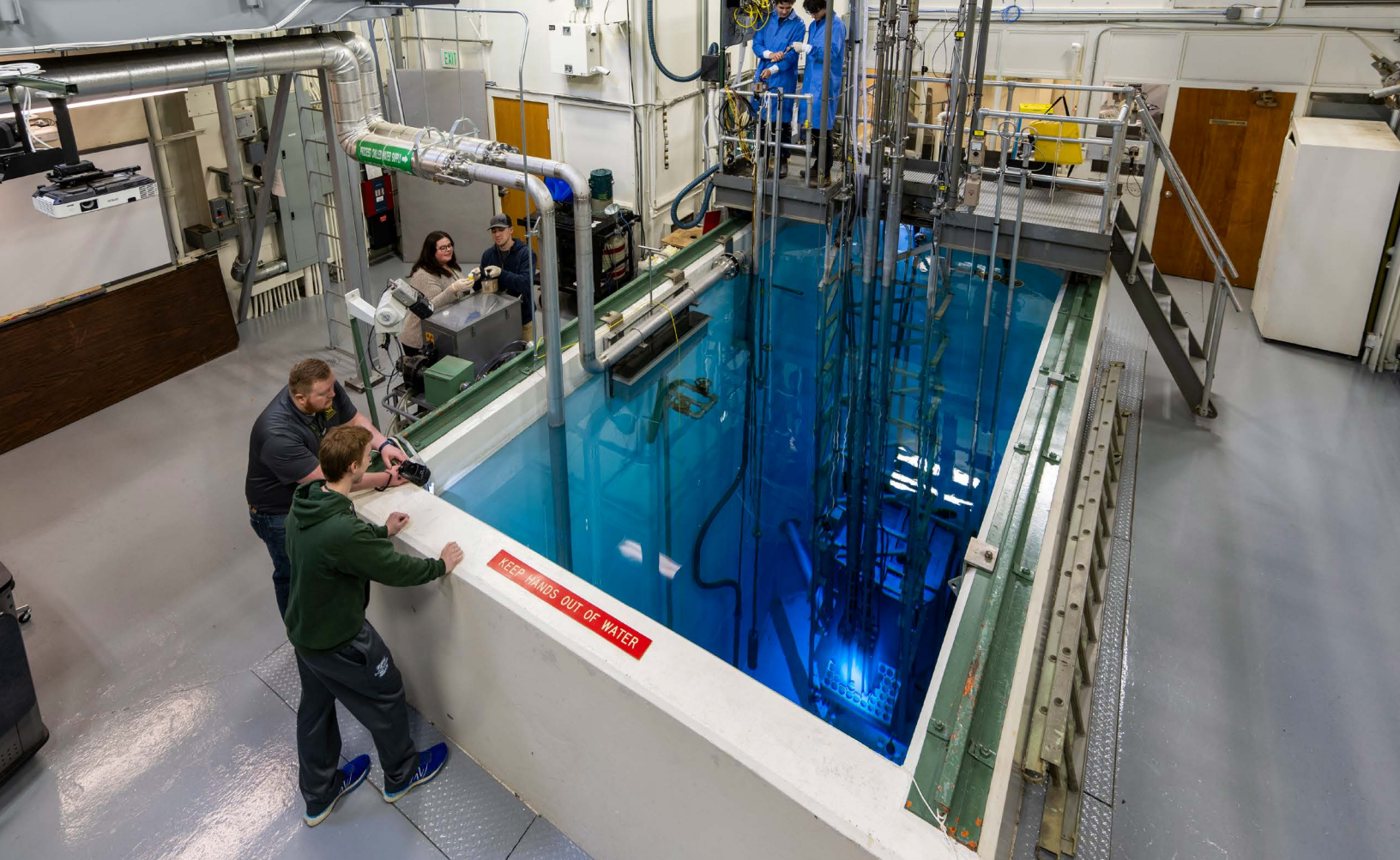




POSITION PROFILE

DEPARTMENT CHAIR FOR NUCLEAR ENGINEERING AND RADIATION SCIENCE

College of Engineering and Computing
Missouri University of Science and Technology
Rolla, Missouri

MISSOURI
S&T



Missouri University of Science and Technology (Missouri S&T), one of the nation's premier technological research universities, invites nominations and applications for the position of Department Chair of Nuclear Engineering and Radiation Science (NERS).

This is a rare leadership opportunity for a forward-looking academic to guide a department poised for significant growth in both student enrollment and research activity. The next chair will play a central role in shaping the future trajectory of NERS at a pivotal moment of institutional investment and programmatic expansion.

The department is entering a period of rapid advancement, supported by a recently approved multi-million-dollar investment to upgrade and expand its 200 kW MTR-type nuclear reactor. Complementing this reactor upgrade are newly modernized teaching laboratory facilities, including a NuScale E2

Simulator, positioning the department at the forefront of experiential nuclear engineering education.

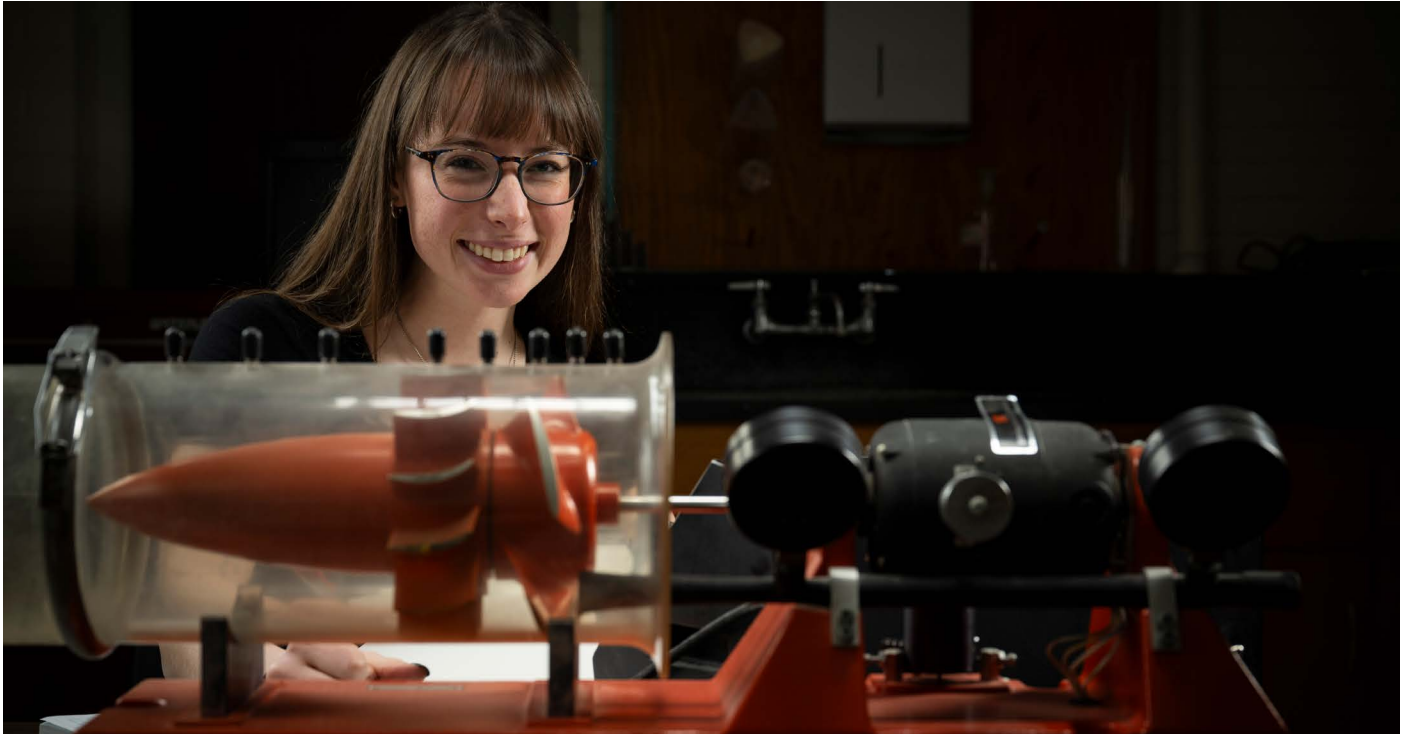
Equally notable is the department's exceptional student momentum. Undergraduate enrollment has doubled in less than three years, reflecting growing national interest in nuclear engineering and the department's strong reputation for academic excellence. The department attracts highly talented students, with the most recent entering class posting an average ACT score of 29.3. Beyond the classroom, NERS students are highly engaged in outreach initiatives, design competitions, professional organizations, and leadership activities,

contributing significantly to the department's culture and visibility.

A key strategic priority for the incoming chair will be leadership of the university's "PowerPlex" initiative — an ambitious effort to establish advanced nuclear capabilities on campus, including the development of a microreactor and integrated thermal energy management systems. This initiative is supported by a newly formed advisory board composed of leading experts from industry and government.

The department and university further benefit from a recently established SUPER agreement with Idaho National Laboratory, creating expanded opportunities for collaborative research, workforce development, and engagement.

The successful candidate will join a dynamic academic environment with the resources, partnerships, and institutional commitment necessary to build a nationally and internationally prominent program.



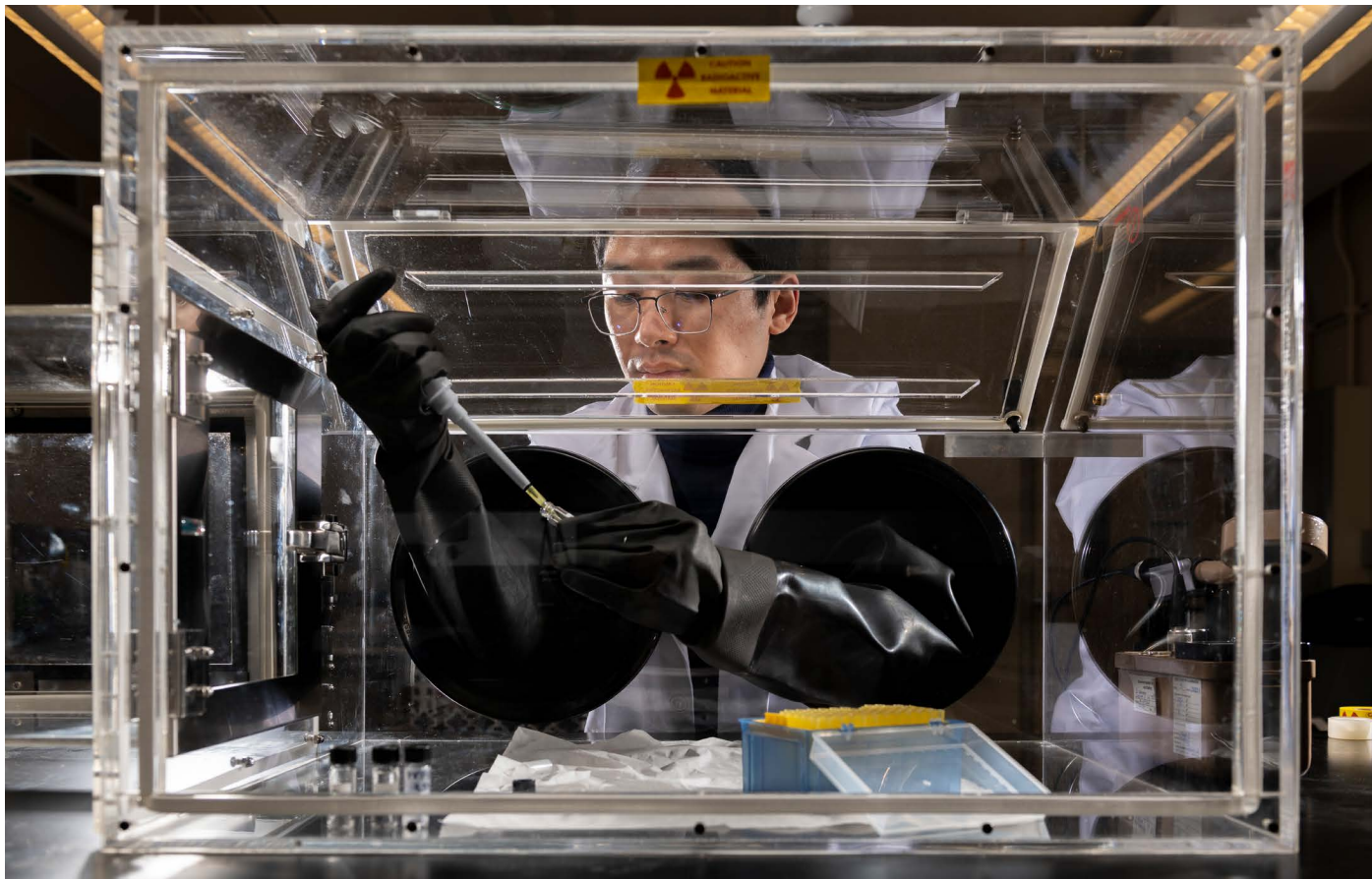
DESCRIPTION OF QUALIFICATIONS

The Department Chair of Nuclear Engineering and Radiation Science will be an accomplished academic leader with the vision, experience, and collaborative mindset required to advance the department's mission across education, research, and service.

Key qualifications and attributes include:

- ✓ Demonstrated ability to develop and execute a strategic vision that elevates the department's national and international reputation in nuclear engineering education and research.
- ✓ Proven record of advancing research innovation, including experience with large-scale, interdisciplinary initiatives such as reactor modernization and emerging nuclear energy systems.
- ✓ Experience building and sustaining productive partnerships with federal and state agencies, national laboratories, and industry stakeholders.
- ✓ Strong commitment to faculty development, including mentoring, supporting, and enabling faculty to expand research productivity and scholarly impact.
- ✓ Ability to engage alumni, donors, and external partners to enhance philanthropic support and diversify revenue streams.
- ✓ Demonstrated administrative and leadership experience in an academic or similar environment with the capacity to manage complex operations and drive organizational growth.

The successful candidate must hold a terminal degree in nuclear engineering or a closely related discipline and possess a record of achievement commensurate with appointment as a tenured full professor.



ABOUT NUCLEAR ENGINEERING AND RADIATION SCIENCE

Our BS, MS, and PhD programs are the only programs in nuclear engineering in the State of Missouri. The educational mission of the department is to offer students unparalleled, career-focused educational opportunities in nuclear engineering, nuclear energy, medical applications of radiation, nuclear nonproliferation, radiation science applications, and related engineering and science fields.

We aim to become nationally recognized leaders in areas of small modular reactor and micro reactor development, medical imaging, radiotherapy applications, and materials under extreme environments, including their application in advanced nuclear systems. The department is home to 10 faculty members, nearly 300 undergraduate students, and 35 graduate students (including 20 Ph.D.

students). The department's facilities provide students with exceptional hands-on learning opportunities, including access to the Missouri S&T Reactor (MSTR), newly modernized teaching laboratories, advanced simulation technologies, and research opportunities through the Missouri University Research Reactor (MURR).



APPLICATION MATERIALS

Interested candidates should electronically submit:

- a detailed cover letter
- a curriculum vitae
- a perspective on challenges, strategies, and vision for the NERS Department
- contact information for at least four professional references.
- Applications will be reviewed as they are received, and the review of applications will continue until the position is filled. For full consideration, applicants should apply by October 12, 2026. Application materials are requested to be submitted using Reference Number 00097950 at: go.mst.edu/search-nerschair. For questions prior to submitting an application, please contact Carrie Arrowsmith (arrowsmithc@mst.edu), Lead Recruitment Consultant, Missouri S&T.

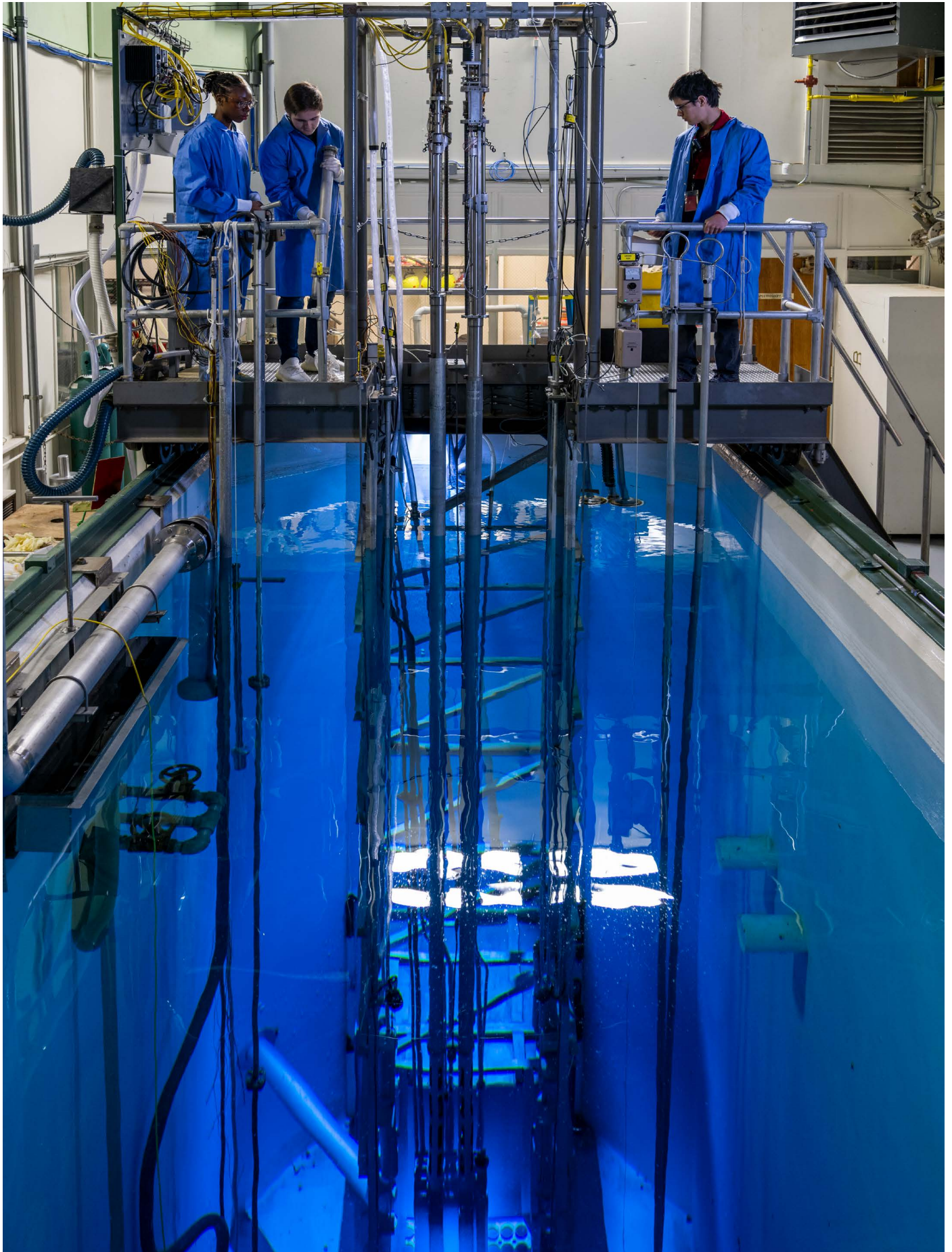
The University of Missouri is an Equal Opportunity Employer. To request ADA accommodations, please call the Office of Equity and Title IX at 573-341-7734.

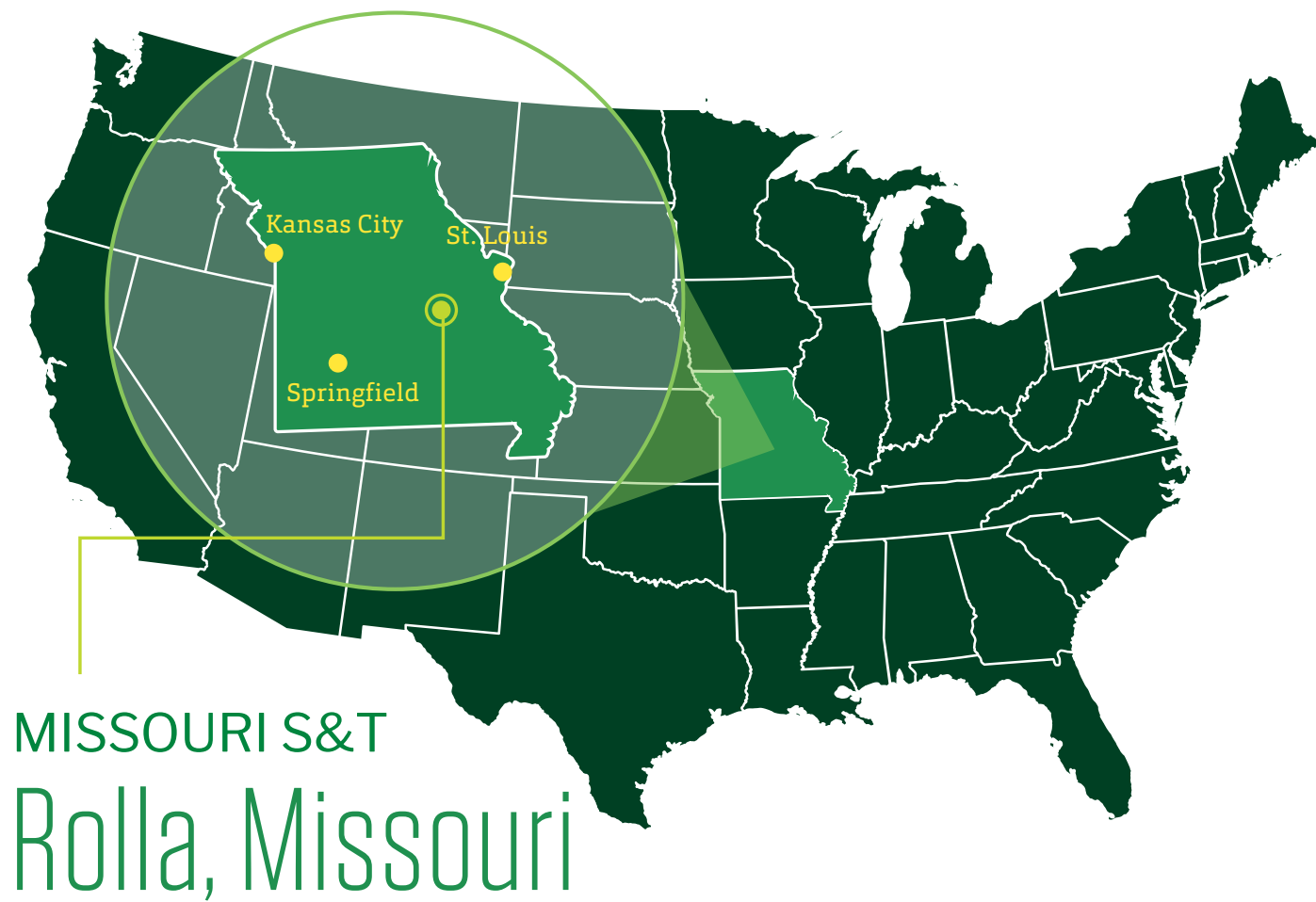
COMMENTS

The final candidate is required to provide copies of official transcript(s) for any college degree(s) listed in application materials submitted. Copies of transcript(s) should be provided prior to the start of employment. In addition, the final candidate may be required to verify other credentials listed in application materials.

Failure to provide official transcript(s) or other required verification may result in the withdrawal of the job offer.

All job offers are contingent upon successful completion of a criminal background check.





ABOUT ROLLA

Rolla, Missouri offers several great advantages that help individuals enjoy a high quality of life. Rolla is an ideal place for families, with its low cost of living, excellent schools, safe neighborhoods, and a range of recreational activities suitable for all ages.

The Ozark Scenic Riverways and beautiful landscapes offers abundant opportunities for outdoor enthusiasts of every lifestyle. With a vibrant and diverse cultural scene, Rolla hosts multiple events, concerts, art exhibitions, and theater performances throughout the year. The university's Leach Theatre showcases nationally renowned performers for campus and community alike. Overall, living in Rolla offers a high quality of life with a supportive community, affordable living, beautiful natural surroundings, and numerous opportunities for personal and professional growth.

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