The College of Science at Purdue University invites applications for a tenure-track/tenured position in Actuarial Science, a program jointly managed by the Mathematics Department and Statistics Department. This appointment may be at the level of Assistant or Associate Professor. The College of Science is committed to further enhancing Purdue’s top-ranked Actuarial Science program, with the intent to create a globally leading research program that simultaneously best prepares strong undergraduate and graduate students for the actuarial profession. This position is part of an initiative to expand Purdue’s Actuarial Science program to the Indianapolis campus and will be complemented by the recruitment of additional instructional faculty to advance the program’s teaching mission.

Purdue University in Indianapolis is a new, fully integrated expansion of the West Lafayette campus, extending to central Indiana the academic rigor and accessible excellence for which Purdue is known. As the state’s only public top 10 university, most trusted university and most innovative university, Purdue is focused and committed to strengthening its presence in Indiana’s industrial and technological center. Purdue in Indianapolis is creating an innovative, STEM-based collegiate experience by connecting future-ready Purdue students and faculty in Indianapolis to local businesses to accelerate Indiana’s STEM pipeline and tech ecosystem, fueling impact for our region and the world. Learn more about Purdue’s latest giant leap at: [**https://www.purdue.edu/campuses/indianapolis/**](https://www.purdue.edu/campuses/indianapolis/)**.**

**Qualifications**

Applicants must hold a Ph.D. in mathematics, statistics, or actuarial science and have demonstrated excellence in research and a strong commitment to teaching. Outstanding applicants in all areas of actuarial science will be considered, including but not limited to probability, risk measurement, stochastic modeling, data science, and the broader mathematical and computational sciences. Preference will be given to candidates who are willing to acquire, or already possess, experience with the exam system that governs the actuarial profession.

**Principal Duties**

Successful candidates will be expected to develop research programs in their fields of expertise, teach courses in mathematical or statistical areas underpinning actuarial science with some semesters at the West Lafayette campus and some semesters at the Indianapolis campus, develop an external funding portfolio, build connections with the actuarial profession, and participate in the program, college, and broader university activities.

**The Program and College**

The Actuarial Science program is recognized as a Center of Actuarial Excellence by the Society of Actuaries. The program offers a stimulating academic environment which connects a variety of research programs and areas with the actuarial profession. With over 300 undergraduate students and a thriving partnership with Purdue’s Data Mine learning community, the program is also tightly coupled with some of Purdue’s fastest-growing majors, such as Data Science.

Actuarial Science is part of the College of Science, which comprises the mathematical, computational, physical, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 7,000 students. The College is pursuing significant new initiatives which complement campus-wide plans, including data science as a strategic priority. Opportunities for collaboration exist across mathematics, probability, statistics, the physical and life sciences, and in particular both a newly reimagined School of Business and a burgeoning campus presence in the center of Indianapolis. Purdue itself is one of the nation’s leading land-grant universities, with an enrollment of over 50,000 students primarily focused on STEM subjects.

**Application Procedure**

Applications should be submitted online through [www.mathjobs.org](https://nam04.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.mathjobs.org%2F&data=05%7C02%7Cjianxi%40purdue.edu%7Ca17c529cad254ce0b46208dcd26b03c6%7C4130bd397c53419cb1e58758d6d63f21%7C0%7C0%7C638616604266256651%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=ReMnJ5WjRwLMEZPHMqt%2BduTic1ypTELd10%2BRnINGfc4%3D&reserved=0) and should include (1) the AMS cover sheet for academic employment, (2) a cover letter, (3) a curriculum vitae, (4) a research statement, (5) a teaching statement, and (6) four letters of recommendation, one of which discusses the candidate’s teaching qualifications. Reference letter writers should be asked to submit their letters online through [www.mathjobs.org](https://nam04.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.mathjobs.org%2F&data=05%7C02%7Cjianxi%40purdue.edu%7Ca17c529cad254ce0b46208dcd26b03c6%7C4130bd397c53419cb1e58758d6d63f21%7C0%7C0%7C638616604266270832%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=30zMDY4g2p%2B8VkXJkFyIyjs4NlgdVyMcJ0ESf5GCXTo%3D&reserved=0). In addition, for purposes of equity, to be considered for the position, applicants will also need to create a profile including voluntary demographic data at [add link here]. Direct all inquiries to Dr. Jianxi Su via jianxi@purdue.edu. Applications are considered on a continuing basis, but candidates are urged to apply by January 15, 2025 for full consideration.

Purdue University's College of Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. A background check will be required for employment in this position.

For more information about Purdue’s Actuarial Science program, see

<https://www.math.purdue.edu/academic/actuary/>.

*Purdue University is an EOE/AA employer fully committed to achieving a diverse workforce. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.*