

THE JESS AND MILDRED FISHER COLLEGE OF SCIENCE AND MATHEMATICS

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The Jess and Mildred Fisher College of Science and Mathematics is committed to developing dynamic and confident graduates who are well prepared to respond creatively to the demands and challenges of our times. The college's growing reputation for excellence in graduate education is built upon the philosophy of learning by doing. Students work closely with faculty, receiving quality instruction in small classes as well as opportunities for one-on-one interaction between students and faculty in classrooms and laboratories.

The Fisher College serves both full-time and part-time students with diverse backgrounds pursuing career and educational goals. The college is also committed to the preparation of middle and secondary school teachers of science and mathematics.

Faculty members are active in pure and applied research; many are widely published and receive external funding in support of their research. Faculty research programs include nanotechnology, astrophysics, molecular biology, chemistry, biochemistry, ecology, biodiversity, geology, statistics, pure and applied mathematics, robotics and computer science. Several faculty members work in collaboration with industry and government labs, and their work is supported by grants from major funding agencies. Faculty members are often involved in a range of outreach activities, in providing professional development programs for teachers and in service to the community that draws on their professional experience.

Vonnie Shields, Acting Dean

Doctoral Degree Program

- Information Technology (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/information-technology-dsc>)

Master's Degree Programs

- Applied and Industrial Mathematics (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/applied-industrial-mathematics-ms>)
- Applied Information Technology (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/applied-information-technology-ms>)
- Applied Physics (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/applied-physics-ms>)
- Biology (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/biology-ms>)
- Computer Science (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/computer-science-ms>)

- Computer Security
- E-Commerce
- Software Engineering
- Environmental Science (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/environmental-science-ms>)
- Forensic Science (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/forensic-science-ms>)
- Mathematics Education (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/mathematics-education-ms>)

Post-Baccalaureate and Certificate Programs

- Computer Forensics (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/computer-forensics/#overviewtext>)
- Database Management Systems (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/database-management-systems-certificate>)
- Environmental Science (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/environmental-science-certificate>)
- Health Information Technology (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/health-information-technology>)
- Information Security and Assurance (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/information-security-assurance-certificate>)
- Information Systems Management (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/information-systems-management-certificate>)
- Integrated STEM Instructional Leadership Certificate (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/integrated-STEM-instructional-leadership>)
- Internet Application Development (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/internet-application-development-certificate>)
- Networking Technologies (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/networking-technologies-certificate>)
- Security Assessment and Management (<http://catalog.towson.edu/graduate/degree-certificate-programs/interdisciplinary-programs/security-assessment-management-certificate>)
- Software Engineering (<http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/software-engineering-certificate>)