



Innovating at the intersection of robotics, automation and advanced manufacturing

The School of Manufacturing Systems and Networks, part of the Ira A. Fulton Schools of Engineering at Arizona State University, is dedicated to advancing research, education and industry collaboration. The school prepares students to lead in the design and improvement of advanced systems and processes that will shape the future of manufacturing and automation.

Located on ASU's Polytechnic campus in Mesa, Arizona, the school is nestled on 600 acres of beautiful desert landscape. The campus offers the atmosphere of a close-knit academic community while providing the resources of a major research university.

The school is home to faculty experts in robotics, autonomous systems, manufacturing engineering, artificial intelligence and related areas. Their research addresses pressing industry challenges, from developing energy-efficient manufacturing processes to advancing human-robot collaboration. Work extends beyond the university through publications, partnerships and applied projects.

Through the efforts of its faculty, students and research programs, the School of Manufacturing Systems and Networks continues to expand research, support progress in advanced manufacturing and contribute to the betterment of society.

Undergraduate degree programs

- Manufacturing engineering, BS
- Robotics and autonomous systems, BSE

Career outcomes

Career outcomes	Median annual salary
Automation engineer	\$117,750
Engineering manager	\$167,740
Human factors engineer	\$101,140
Hydroelectric production manager	\$121,440
Industrial engineer	\$101,140
Mechanical engineer	\$102,320
Manufacturing engineer	\$101,140
Quality control manager	\$121,440
Robotics engineer	\$117,750
Supply chain engineer	\$101,140

*Data obtained from the Occupational Information Network (O*NET) under sponsorship of the U.S. Department of Labor/Employment and Training Administration (USDOL/ETA).





Industry partnerships

Learn about our [Industry Advisory Board](#), an external volunteer group consisting of manufacturing and automation leaders who are embedded within the workforce.

Companies hiring our graduates

- Boeing
- Honeywell
- Intel
- Lallemand Baking
- Lockheed Martin
- Los Alamos National Laboratory
- Micron Technology
- Raytheon Technologies
- Siemens
- TSMC

Research opportunities

The School of Manufacturing Systems and Networks is home to a wide range of labs and innovative spaces designed to encourage bold thinking and collaboration. Its newest addition, the Interdisciplinary Science and Technology Building 12, or ISTB 12, is a three-story, 173,194-square-foot facility, featuring dedicated collaborative spaces. Built with sustainability in mind, ISTB 12 incorporates rainwater collection for landscaping, solar-ready infrastructure and has achieved LEED Silver certification. The building houses advanced laboratories with focus areas spanning robotics, multi-material manufacturing, reactive 3D printing and more. With strong connections to industry partners, the school provides opportunities throughout the year to network and land potential internships.



I'm grateful to be a part of a community where we lift each other up through our academic journeys, navigating challenging courses and spaces many of us have never experienced before."

Lexana Echeagaray
Manufacturing engineering student
'27 BS in manufacturing engineering



I feel truly proud to be a graduate of the School of Manufacturing Systems and Networks. The school's unique integration of manufacturing has shaped my professional journey. As a manufacturing engineer at TSMC, the holistic learning I gained has empowered me to address complex, real-world manufacturing challenges through data-driven decision-making."

Keshav Anand Kabra
Intelligent manufacturing engineer at TSMC Arizona
'24 MS in manufacturing engineering



Join in. Stand out.

The student community at ASU is both growing and engaged. Students participate in faculty-led research, industry-sponsored initiatives and hands-on learning that connects classroom knowledge to real-world practice. These experiences foster collaboration, teamwork and leadership while preparing graduates to contribute to industries that are undergoing rapid transformation. Here are just a few **student organizations** you can get involved in:

- Engineering Projects in Community Service
- Fulton Undergraduate Research Initiative
- Grand Challenges Scholars Program
- Society of Manufacturing Engineers
- Association for Advancing Automation

Scan here to learn more about your school!

