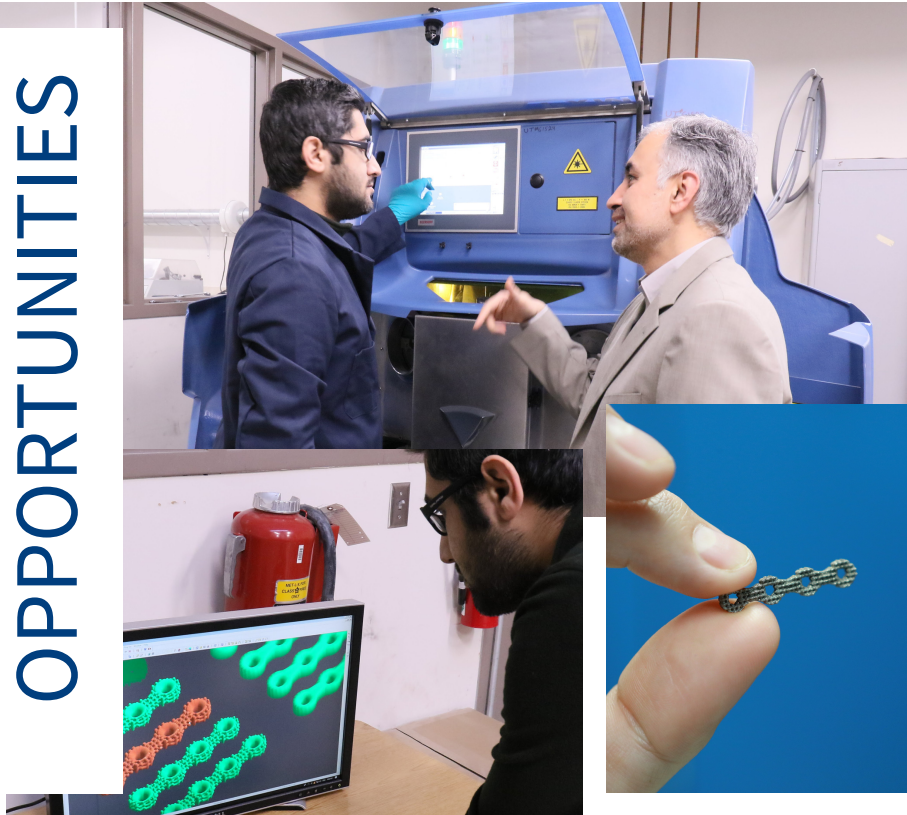




GRADUATE CERTIFICATE IN MANUFACTURING

Manufacturing is undergoing systemic changes as a result of technological advances and reshoring of manufacturing to the U.S. The adoption and integration of additive manufacturing technologies is changing the way products are made and opening product opportunities that were previously unfeasible. This Certificate allows you to transcript manufacturing skill-base and enables employers to identify graduates with the manufacturing expertise that they need.

IDENTIFYING
OPPORTUNITIES



PROGRAM REQUIREMENTS

The certificate program is structured to require 15 cr hr of core and elective courses.

CORE COURSES (3)

- **MIME 5830** – Additive Manufacturing (3 cr hr)
- **MIME 5060** – Manufacturing Engineering (3 cr hr)
- **MIME 6720** – Design of Experiments (3 cr hr)
- **MIME 6810** – Assembly and Joining Processes (3 cr hr)

MANUFACTURING ELECTIVES (2)

- **MIME 5080** – Operations Research I (3 cr hr)
- **MIME 5100** – Manufacturing Systems Simulation (3 cr hr)
- **MIME 5690** – Reliability (3 cr hr)
- **MIME 5800** – Design for Manufacturability (3 cr hr)
- **MIME 5820** – Sustainability Analysis and Design (3 cr hr)
- **MIME 6800** – Advanced Manufacturing Systems Engineering (3 cr hr)

FUELING TOMORROWS

BENEFITS

Many industries are seeking to upgrade the skills of their workforce as methods of manufacturing expand to include additive manufacturing and advanced automation and automated assembly. Replacing legacy processes with new manufacturing methods also requires re-imagining engineering design for production with these new technologies. Want to be a leader in the manufacturing revolution? Let the Graduate Certificate in Manufacturing take your career to the next level. Want to keep going? Consider stacking with another certificate for additional credentials or to complete a MS degree.

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