At the nexus of the living and the synthetic, biomedical engineers are helping us to live longer – and live better. With massive strides in engineering and medical research, biomedical engineering is combining the best of the natural and artificial worlds into all of us humans. Are you ready to join the mix?

What you’ll work on
Our program develops new devices at the interface of engineering, biology and medicine. We emphasize research and education in cardiovascular engineering, tissue regeneration and stem cell engineering, biomaterials, physiological measurements, biosensors, microdevices, biomechanics and medical imaging and optics. Faculty and students have developed businesses with the technologies developed in our laboratories.

Where you’ll work
Our labs isolate and culture human cells, image blood flows, model complex biological processes, design new sensors and electrical circuits, and develop new biomaterials. Our facilities include digital 2-D and 3-D fluorescence microscopes, ultrasound and optical equipment, mechanical testing equipment, and cell and tissue culture facilities. A wide variety of testing, analytical, and imaging equipment is available from facilities all across campus.

Who you’ll work with
You will work with leading biomedical engineers and scientists from across campus. Local and regional hospitals provide opportunities for clinical studies. Collaborations with leading medical institutions from across the country provide opportunities to explore the clinical applications of their research.

Why you’ll choose Tech
Michigan Tech is a leading public research university, exploring the boundaries of knowledge, developing new technologies, and preparing students like no other.

Feng Zhao
Assistant Professor, Biomedical Engineering

Stem cells renew and replace worn-out or damaged tissues. Biomedical engineers can be counted on to enhance and expand the therapeutic potential of stem cells. Zhao engineers stem cells via biomaterials, physiological oxygen, and fluid flow to restore the function of injured tissues.

Learn more: mtu.edu/gradschool/biomedical
**Admission Requirements**

**Application deadline:** Apply at least a semester in advance.
Applications are reviewed individually using a holistic approach.

PhD admissions deadlines: Fall Semester, January 15; Spring Semester, July 1. Applications submitted after the deadlines will be considered on a rolling basis. For full consideration of support, applications should be submitted by the deadline.

**All Students**
- Graduate School application
- Student Statements
- Official transcripts
- GRE required (Tech students exempt)
- Three letters of recommendation (Tech Biomed undergrads exempt)
- Admitted MS applicants typically have an undergraduate GPA of 3.0/4.0; PhD applicants have a 3.25/4.0
- Résumé

**International Students**
- TOEFL: Recommended score of 110 iBT

**Finance Your Future**

Earning your graduate degree is an investment in your career and your future.

For the latest information on the cost of education and sources of funding, please visit mtu.edu/gradschool/funding.

For more information on financial aid opportunities, contact Michigan Tech’s Financial Aid Office at 906-487-2622 or finaid@mtu.edu.