BSE Chemical Engineering/MEng in Manufacturing
Sequential Undergraduate/Graduate Studies (SUGS) Program

A sequential undergraduate/graduate study (SUGS) program is offered through the Integrative Systems + Design (ISD) Division, Master of Engineering in Manufacturing (M. Eng. in Mfg.) program. See the “Sequential Undergraduate/Graduate Study (SUGS) Programs for Chemical Engineering Students” handout for details on how SUGS programs work.

You can pursue your ISD SUGS degree online or on-campus!

Visit the ISD SUGS site for detailed information regarding SUGS Requirements.
- Early in your junior year, meet with your undergrad advisor and ISD graduate coordinator to confirm your eligibility.
- Visit the ISD SUGS site to download and complete a preliminary SUGS Election form.
- In your senior year, apply to Manufacturing and begin your program the following Winter or Fall semester.

Master of Engineering in Manufacturing

Degree Objectives

BECOME AN INNOVATOR IN TECHNOLOGY AND PROCESS IMPROVEMENT
Manufacturing is a bedrock of a strong economy, supporting a solid employment base in the manufacturing industry as well as in multiple related service industries. Now, more than ever, there is a critical need for leaders and engineers who are innovators in technology and have the broad knowledge and skills on how to streamline manufacturing processes and make the managerial decisions.

Students in this program acquire the advanced engineering and management skills to become a dynamic leader in manufacturing. Students learn how to improve the quality and efficiency of manufacturing systems through advanced technologies and skills in their engineering discipline, acquiring breadth across disciplines, leading project teams, and understanding the complete product development and manufacturing process, including its management.

Four concentrations are offered:
- Production Systems & Quality Engineering
- Manufacturing Design & Sustainability
- Advanced Materials Design & Manufacturing (Nano/Digital/Additive)
- Safety, Health, & Ecology

Overview

The Master of Engineering (M.Eng.) in Manufacturing is a graduate professional degree that includes selecting from over 80 courses offered through various departments in the College of Engineering and the Stephen M. Ross School of Business (70% engineering and 30% business). It can be earned in one calendar year, including a four-month team project in industry. This program is available on campus and online. The program is for students who have already earned a BSE degree in any field of engineering (e.g., aerospace, mechanical, electrical, civil, industrial, naval, chemical, materials science), and who have relevant industrial experience.

Summary of M. Eng. in Mfg. Curriculum Distribution

https://isd.engin.umich.edu/graduate-degree-programs/manufacturing-program/program-details/

The incoming student must obtain the approval of the course advisor for the planned M. Eng. in Mfg. degree courses selected. A course advisor will be assigned to the student upon admission.
See the *Sequential Undergraduate/Graduate study (SUGS) Programs for ChE Students* handout for more information regarding how SUGS works.

**CONTACTS**

**Undergraduate:**
Ms. Lisa Clark, 3142 Dow, (734) 763-7125, cheugadvising@umich.edu
http://www.che.engin.umich.edu/graduate/program/sugs/

**Graduate:**
Ms. Kathy Bishar, 2006 SI North Building, 764-3312, isdmfg-gradcoord@umich.edu
https://isd.engin.umich.edu/graduate-degree-programs/manufacturing-program/

ISD SUGS website:
https://isd.engin.umich.edu/admissions-information/sequential-undergraduate-graduate-study-sugs

Rackham SUGS website:
http://www.rackham.umich.edu/current-students/policies/academic-records/sugs-information