

MANUFACTURING ENGINEERING TECHNOLOGY

University of Northern Iowa College of Humanities, Arts & Sciences

<https://tech.uni.edu/mantech>

ABOUT THE MAJOR

A manufacturing engineer's primary focus is to turn raw material into an updated or new product in the most effective, efficient and economical way possible. A degree in this program prepares students for careers in the application of modern technology to the design and manufacturing of products, consumer goods and services. This major also allows students to select one or more emphasis areas which include advanced manufacturing, design, and metal casting.

SAMPLE COURSEWORK

Construction Resources	Decision Analytics
Construction Graphics	Computerized Construction Estimating
Construction Law and Documentation	Statics and Strengths of Materials
Calculus I	

POSSIBLE CAREERS *some titles may require further education

Manufacturing Engineer	Tool Designer	Test Engineer
Simulation Engineer	Facility Supervisor	CAD Specialist
Molding Engineer	Automation Supervisor	CNC Specialist
Industrial Engineer	Quality Engineer	Plant Manager

UNI GRADUATES: WHERE ARE THEY NOW?

- John Deere
- SiC Foundry
- Robert Half Technology
- DOMO Engineering Plastics US
- Alvine Engineering
- Van Diest Supply Company
- Align Technology
- Indiana Crop Improvement Association
- Accu-Mold
- Curbtender, Inc.
- Baxter Healthcare Corporation
- KE Collab LLC
- Carpenter Brothers, Inc.



SKILLS NEEDED

- Problem-solving
- Leadership
- Information Technology
- Analytical skills
- Commercial awareness
- Critical thinking
- Dependability

HOLLAND CODES

RCE