

MANUFACTURING MANAGEMENT

Nebraska is one of the top three states with the fastest growth in technology jobs. For companies to grow and prosper, employees who have the ability to design, deploy, integrate, and manage emerging (advanced manufacturing, robotics, and 3-D printing) and traditional (construction, manufacturing, and planning/design) technologies are needed. The manufacturing management degree program at Wayne State College will prepare you for a career as a production worker, a production supervisor, or an applied engineer. With a degree in manufacturing management, you'll be prepared for introductory supervisory roles in business and industry. Combining technical content with business courses, this program was developed with the awareness and assistance of a business, industry, and education advisory council, which means you can count on an education well-suited for your pursuit of a leadership role in manufacturing.

FAST FACTS

Hours:

57 hours for concentration
30 hours in general education

At least 120 hours are required for graduation from Wayne State College. You may add electives or a minor to help meet these requirements.

Degrees offered: B.S.

Department: Technology and Applied Science

School: Business and Technology

Internship: Required for credit toward your degree

Popular minors: Safety, Drafting, Business Administration

..... focus on results

Skills Learned

- Applied engineering
- Manufacturing operations
- Computer numeric control (CNC) machining
- Production techniques
- Computer integrated manufacturing
- Robotics
- Production planning
- Quality control
- Order fulfillment
- Problem-solving, research, and design

Possible Careers

- Manufacturing manager
- Production supervisor
- Applied engineer
- Building materials manager
- Plant manager
- Inventory manager
- CNC programmer/estimator

Types of Employers

- Manufacturers
- Fabrication companies
- Transportation equipment manufacturing companies
- Chemical manufacturing companies
- Machinery manufacturing companies
- Food manufacturing companies

outside the classroom



Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.

Activities / Opportunities

- Construction and manufacturing facility tours
- Peer tutoring and mentoring
- Service-Learning
- Study Abroad

Clubs / Organizations

- Associated General Contractors of America
- SkillsUSA

SAMPLE PROGRAM OF STUDY

Every effort is made to ensure this information is current, but please be aware that some content may have changed. There is no substitute for developing a careful course registration plan in consultation with your advisor. For questions about this content, please see your advisor.

FRESHMAN - 1st semester

ENG 102 Composition Skills (General Studies CAT 1)	3
ITE 214 Residential Drawing	3
ITE 220 Intro to Manufacturing Operations (<i>fall semester, even years</i>) ..	3
General Studies CAT 4	3
Electives or minor	3

FRESHMAN - 2nd semester

ITE 204 Intro to Applied Engineering (<i>spring semester</i>)	3
SPA 110 Elementary Spanish 1 (General Studies CAT 2)	3
Math by advisement (General Studies CAT 3)	3
General Studies CAT 5	3
Electives or minor	3

SOPHOMORE - 1st semester

BUS 208 Business Communications	3
CIS 130 Intro to Computer/Information Technology	3
ITE 202 Construction Systems	3
General Studies CAT 6	3
Electives or minor	3

SOPHOMORE - 2nd semester

ITE 205 Intro to Manufacturing Technology (<i>spring semester</i>)	3
ITE 306 Industrial Safety (<i>spring semester</i>)	3
General Studies CAT 7	3
Electives or minor	6

JUNIOR - 1st semester

CSC 478/578 Robotics (<i>fall semester</i>)	3
ITE 322 Fundamentals of CNC Machining (<i>fall semester, even years</i>) ...	3
General Studies CAT 8	3
General Studies CAT 9	3
Electives or minor	3

JUNIOR - 2nd semester

CIS 477 Project Management	3
ITE 330 Welding and Fabrication (<i>spring semester</i>)	3
ITE 419/519 Production and Operations Techniques (<i>spring semester, odd years</i>)	3
General Studies CAT 10	3
Electives or minor	3

SENIOR - 1st semester

BUS 471 Principles of Supervision (<i>fall semester</i>)	3
ITE 309 Parametric Modeling and Industrial Design (<i>fall semester, odd years</i>)	3
ITE 403/503 Electronics and Control Systems (<i>fall semester, odd years</i>)	3
ITE 421/521 Computer Integrated Manufacturing I (<i>fall semester, odd years</i>)	3
Electives or minor	3

SENIOR - 2nd semester

ITE 330 Welding and Fabrication (<i>spring semester</i>)	3
ITE 422/522 Computer Integrated Manufacturing II (<i>spring semester, even years</i>)	3
Electives or minor	6

ITE 497 Internship	3
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**manufacturing
management
faculty**

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