

Recommended Industrial Technology Course sequence

Catalog - 2003/2004

Total undergraduate credits 120

Freshman (fall)

- 3 TECH 211 - Computer-Aided-Design
- 3 MATH155 - Trigonometry
- 3 CHEM 110 - General Chemistry I
- 1 CHEM 111 - General Chemistry I Lab
- 3 ENGL103 - Composition I
- 3 General Education Requirement #1

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Sophomore (fall)

- 3 Area of Study 1
- 3 General Education Requirement #4
- 3 TECH 265 - Basic Manufacturing Processes
- 3 STAT 208 (or STAT 301) - Basic Statistics
- 3 TECH175 - Electricity and Electrical Fund.
- 1 TECH175a - Electricity and Electrical Fund. Lab

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Junior (fall)

- 3 Area of Study 3
- 3 MGMT 346 - Business Com or Engl 308
- 3 Area of Study 4
- 3 TECH 404 - Supervision In Industry
- 3 TECH 395 - Industrial Data Processing

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Senior (fall)

- 3 General Elective 1
- 3 TECH 442 - Work Simplification and Measurement
- 3 Area of Study 7
- 3 TECH Elective 2
- 3 TECH 391 - Industrial Quality Control

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Freshman (Spring)

- 3 COMS100 - Communications
- 3 ENGL104 - Composition I
- 4 PHYS 150A (or Phy250) - General Physics I
- 3 General Education Requirement #2
- 3 General Education Requirement #3

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Sophomore (Spring)

- 3 General Education Requirement #6
- 3 General Education Requirement #5
- 3 ACCY 206 (or ACCY 288) - General Accounting
- 3 TECH 302 - Graphic Presentation and Communications
- 3 Area of Study 2

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Junior (Spring)

- 3 TECH 402 - Industrial Training and Evaluation
- 3 TECH 429 - Plant location, Layout, and Materials Handling
- 3 TECH 434 - Human Factors in Accident Prevention
- 3 Area of Study 5
- 3 Area of Study 6

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Senior (Spring)

- 3 TECH Elective 1
- 3 TECH Elective 3
- 3 TECH 496 - Industrial Project Management
- 3 General Elective 2

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Areas of Concentration within the Industrial Technology Program

Computer-Aided-Design (CAD)

- TECH 214 - Machine Drawing
- TECH 311 - Computer-Aided Modeling
- TECH 312 - Design Dimensioning & Tolerancing
- TECH 314 - Tool and Die Design
- TECH 409 - Internship
- TECH 412 - Technical Illustrations
- TECH 414 - Computer-Aided Machine Drawing

Manufacturing Technology

Choose seven of the following

- TECH 214 - Machine Drawing
- TECH 260 - Metal Fabrication Processes
- TECH 334 - Hazard Control in Industrial Operations
- TECH 344 - Materials & Processes in the Plastics Industry
- TECH 345 - Plastic Molding Processes
- TECH 360 - Machine Production Processes
- TECH 365 - Metrology
- TECH 409 - Internship
- TECH 420 - Automated Manufacturing Systems
- TECH 427 - Composition & Selection of Industrial Plastics

Plastics Technology

Choose seven of the following

- TECH 312 - Design Dimensioning & Tolerancing
- TECH 314 - Tool and Die Design
- TECH 334 - Hazard Control in Industrial Operations
- TECH 344 - Materials & Processes in the Plastics Industry
- TECH 345 - Plastic Molding Processes
- TECH 360 - Machine Production Processes
- TECH 393 - Structure and Properties of Materials
- TECH 409 - Internship
- TECH 427 - Composition & Selection of Industrial Plastics

Occupational Safety

- TECH 231 - Safety programs
- TECH 334 - Hazard Control in Industrial Operations
- TECH 432 - Disaster Preparedness
- TECH 435 - Legal Aspects of Safety
- TECH 437 - Industrial Hygiene
- TECH 481 - Ergonomics
- TECH 436 - Design and Administration of Safety Programs

⇒ A Technical elective course may be any course offered within the Department of Technology, as determined with consent of the faculty advisor.

⇒ A general elective course may be any course offered from any department on campus.