

## Recommended Industrial Technology Course sequence

Catalog - 2005/2006

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	TECH 302 - Graphic Presentation and Communications
3	MGMT 346 - Business Com or Engl 308
3	Area of Study 3
3	TECH 404 - Supervision In Industry
3	TECH 395 - Industrial Data Processing
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### Senior (fall)

3	Area of Study 6
3	TECH 442 - Work Simplification and Measurement
3	Area of Study 7
3	TECH Elective 1
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	Area of Study 2
3	General Elective 1
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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 4
3	Area of Study 5
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### Senior (Spring)

3	TECH Elective 2
3	Area of study 8
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 262 - Machine Production Processes  
TECH 311 - Computer-Aided Modeling  
TECH 312 - Design Dimensioning and Tolerancing  
TECH 313 - Product Design and Development for Manufacturability  
TECH 314 - Tool and Die Design  
TECH 414 - Computer-Aided Machine Design  
Two of the following

TECH 260 - Metal Fabrication Processes  
TECH 344 - Materials and Processes in the Plastics Industry  
TECH 345 - Plastic Molding Processes  
TECH 365 - Metrology  
TECH 409 - Internship

### Manufacturing Technology

TECH 260 - Metal Fabrication Processes  
TECH 262 - Machine Production Processes  
TECH 311 - Computer-Aided Modeling  
TECH 313 - Product Design and Development for Manufacturability  
TECH 365 - Metrology  
TECH 420 - Computer-Integrated Manufacturing  
Two of the following

TECH 312 - Design Dimensioning and Tolerancing  
TECH 344 - Materials and Processes in the Plastics Industry  
TECH 345 - Plastic Molding Processes  
TECH 409 - Internship  
TECH 427 - Testing Methods, Proc., and Sel. of Ind. Plastics  
TECH 441 - Hazard Control in Industrial Operations

### Plastics Technology

TECH 262 - Machine Production Processes  
TECH 311 - Computer-Aided Modeling  
TECH 344 - Materials and Processes in the Plastics Industry  
TECH 345 - Plastic Molding Processes  
TECH 393 - Structure and Properties of Materials  
TECH 427 - Testing Methods, Procedures, and Selection of Ind Plastics  
Two of the following

TECH 312 - Design Dimensioning and Tolerancing  
TECH 313 - Product Design and Development for Manufacture  
TECH 314 - Tool and Die Design  
TECH 365 - Metrology  
TECH 409 - Internship

### Occupational Safety

TECH 231 - Safety Programs  
TECH 245 - Pollution, Pestilence, Prevention, and the Cost of Doing Business  
TECH 432 - Disaster Preparedness  
TECH 436 - Design and Administration of Industrial Safety Pgms  
TECH 437 - Industrial Hygiene  
TECH 441 - Hazard Control in Industrial Operations  
TECH 481 - Ergonomics  
One of the following

TECH 234 - Industrial Security  
TECH 409 - Internship  
TECH 431 - Industrial Ventilation  
TECH 433 - Toxicology for Industry  
TECH 435 - Legal Aspects of Safety  
TECH 438 - Safety in Transportation Systems  
TECH 440 - Monitoring and Evaluating Work Environments  
TECH 482 - Industrial Safety Engineering Analysis  
TECH 483 - Applied Ergonomics

⇒ 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.