

Recommended Industrial Technology Course sequence

Catalog - 2004/2005

Total undergraduate credits 120

Freshman (fall)

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

3	Area of Study 1
3	General Education Requirement #
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 Communication
3	MGMT 346 - Business Com or Engl 30E
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 Measuremen
3	Area of Study 7
3	TECH Elective 1
3	TECH 391 - Industrial Quality Contro
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Freshman (Spring)

3	COMS100 - Communications
3	ENGL104 - Composition
4	PHYS 150A (or Phy250) - General Physics
3	General Education Requirement #:
3	General Education Requirement #:
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Sophomore (Spring)

3	General Education Requirement #
3	General Education Requirement #:
3	ACCY 206 (or ACCY 288) - General Accountin
3	Area of Study 2
3	General Elective 1
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Junior (Spring)

3	TECH 402 - Industrial Training and Evaluatio
3	TECH 429 - Plant location, Layout, and Materials Handlin
3	TECH 434 - Human Factors in Accident Preventio
3	Area of Study 4
3	Area of Study 5
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Senior (Spring)

3	TECH Elective 2
3	TECH Elective 3
3	TECH 496 - Industrial Project Managemen
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.