

## Manufacturing Engineering Technology BS Course sequence (Typical)

Catalog - 2006/2007

Total undergraduate credits 124

### Freshman (fall)

3	TECH 211 - Computer-Aided-Design
3	MATH155 - Trigonometry
3	CHEM 110 (or CHEM 210T) - General Chemistry I
1	CHEM 111 (or CHEM 212) - General Chemistry Lab I
3	ENGL103 - Composition I
3	General Education Requirement #1
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### Sophomore (fall)

4	MATH230 - Calculus II
4	PHYS210 - General Physics I
3	COMS 100 - Communications I
3	TECH175 - Electronics and Electricity Fundamentals
1	TECH175a - Electronics and Electricity Fundamentals Lab
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### Junior (fall)

3	TECH 326 - Fluid Mechanics/Lab
3	TECH 393 - Properties of Materials
3	TECH 369 - Strength of Materials
3	ENGL 308 - Tech writing
3	Tech 312 - Geometric design and Tolerancing
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### Senior (fall)

1	TECH 477 - Senior Projects I
3	General Education Requirement #4
3	TECH 420 Computer-Integrated Manufacturing
3	Manufacturing System Elective 2
3	TECH 391 - Industrial Quality Control
3	Manufacturing Process Elective 3
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### Manufacturing Systems Electives (2 courses)

TECH 441 - Hazard Control  
TECH 401 - Ethics  
TECH 404 - Industrial Supervision  
TECH 409 - Internship  
TECH 429 - Plant location, Layout, and Mat Handling  
TECH 434 - Human Factors in Accident Prevention  
TECH 442 - Work Simplification  
TECH 444 - Production Systems  
TECH 482 - Industrial Safety Analysis  
TECH 496 - Industrial Project Management  
TECH 492 - Manufacturing Distribution Applications

### Freshman (Spring)

4	MATH229 - Calculus I
3	ENGL104 - Composition II
3	TECH 265 - Basic Manufacturing Processes
3	General Education Requirement #2
3	TECH 262 - Machine Production Processes
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### Sophomore (Spring)

3	Manufacturing Process Elective 1
3	General Education Requirement #3
2	TECH 210 - Engineering Mechanics
2	TECH 212 - Engineering Dynamics
3	STAT 208 - Basic Statistics
3	TECH 295 - Manufacturing Computer Applications
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### Junior (Spring)

3	Manufacturing Process Elective 2
3	TECH 342 - Manufacturing Component Design
3	TECH 425 - Programmable Logic Controllers
3	Manufacturing System Elective 1
3	TECH 443 - Engineering Economy
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### Senior (Spring)

3	TECH478 - Senior Project II
3	TECH 362 - Numerical Control Systems
3	TECH 423 - Automated Manufacturing Systems
3	General Education Requirement #5
3	General Education Requirement #6
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### Manufacturing Process Electives (3 courses)

TECH 260 - Metal Fabrication Processes  
TECH 314 - Tool and Die Design  
TECH 344 - Materials & Processes in the Plastics Ind.  
TECH 345 - Plastic Molding Processes  
TECH 364 - Advanced Numerical Control Programming  
TECH 365 - Metrology  
TECH 479 - Special Topics in Engineering Technology  
TECH 313 - Product Design and Development for Manufacture