# Manufacturing Technology

## Major Academic Plan

**Flowchart Format**

**University Catalog 2003-2005**

### Fall 16 units

- **Freshman**
  - **Fall**
    - **16 units**
    - **Course Number**
      - MATH 5: Statistics
      - CHEM 27: Gen Chem for Appl Sci
    - **Course Title**
      - **FS**
      - Freshman Composition
  - **Spring**
    - **16 units**
    - **Course Number**
      - CHEM 28: Org Chem for Appl Sci
      - ME 25: Engineering Graphics
      - PHYS 2A: General Physics
      - PHYS 2B: General Physics
    - **Course Title**
      - **FS**
      - Intro Mfg Engineering
      - Electri/elec Tech
      - Electri/elec Tech

### Sophomore

- **Fall**
  - **16 units**
  - **Course Number**
    - MATH 9: Survey Calc
    - MATH 6: Precalculus
    - MFGT 41: Intro to Plastics
    - MFGT 141: Polymer Mat & Mfg
    - MFGT 124: Solids Modeling for Mfg
    - MFGT 104: Materials/Qual Testing
    - MFGT 156: Computer-Aided Mfg
    - MFGT 232: Mfg Automation Systems
    - MFGT 210: Industrial Safety Mgmt
    - MFGT 216: Indust Mgmt/Sup/Inspect
    - MFGT 250: Fluid Metallurgy
    - MFGT 280: Cap A: Project Mgmt
    - MFGT 281: Cap B: Mfg Tooling
    - MFGT 290: Mfg Fund & Practice
    - MFGT 257: Adv Lab Practices
    - SCMS 247: Inventory Ctrl
    - POMG 248: Prod Mgmt/Cont
    - POMG 143: Operations Management
  - **Course Title**
    - **FS**
    - Theoretical Elective
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### Senior

- **Fall**
  - **17 units**
  - **Course Number**
    - MATH 6: Precalculus
    - GE Area B2: Science: Life Forms
    - MFGT 280: Cap A: Project Mgmt
    - MFGT 257: Adv Lab Practices
    - SCMS 247: Inventory Ctrl
    - POMG 248: Prod Mgmt/Cont
    - GE Area B2: Science: Life Forms
    - GE Area C: Arts & Humanities
    - GE Area E: Lifelong Learning
    - GE Upper Div: Theme Course
  - **Course Title**
    - **FS**
    - Theoretical Elective
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### Senior

- **Fall**
  - **16 units**
  - **Course Number**
    - MATH 6: Precalculus
    - GE Area B2: Science: Life Forms
    - MFGT 280: Cap A: Project Mgmt
    - MFGT 257: Adv Lab Practices
    - SCMS 247: Inventory Ctrl
    - POMG 248: Prod Mgmt/Cont
    - GE Area B2: Science: Life Forms
    - GE Area C: Arts & Humanities
    - GE Area E: Lifelong Learning
    - GE Upper Div: Theme Course
  - **Course Title**
    - **FS**
    - Theoretical Elective
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### Key

- **Course Number**
- **Course Title**
- **Units**
- **FS**
- **F**=fall  **S**=spring

*One Ethnic course and one Non-Western course is required.*