

☐ Field-of-study course  
 ☐ ET core course  
 ☐ Required, outside the field  
 ☐ Open elective slot

**Freshman  
Fall**

**TECH 1711 (3)**  
 Manufacturing Process I  
 ET core, fixed semester  
 Leads to: **TECH 4472 (Jr Fa)**

**Freshman  
Spring**

**TECH 1811 (3)**  
 Electronic Circuit Technology  
 ET core, fixed semester  
 Leads to: **TECH 4474 (Jr Sp)**

**TECH 1521 (3)**  
 Graphics/Descriptive  
 Geometry  
 ET core, fixed semester  
 Leads to: **TECH 4472 (Jr Fa)**

**Sophomore  
Fall**  
 1 elective slot

**TECH 4460 (3)**  
 Work Design/Improvement  
 Window: So Fa, Jr Fa, Sr Fa  
 Leads to: **TECH 4466 (Jr Sp)**

**Sophomore  
Spring**  
 2 elective slots

**TECH 3401 (3)**  
 Strength of Materials  
 Needs: MATH 1910 (Fr Sp),  
 PHYS 2010 (So Fa), PHYS  
 2011 (So Fa)  
 Take with: TECH 3044 (same  
 term or earlier)  
 Window: So Sp - Jr Fa  
 Leads to: **TECH 4472 (Jr Fa),  
 TECH 3573 (Sr Fa)**

**TECH 3044 (4)**  
 Analysis for Engineering  
 Tech  
 ET core, fixed semester  
 Leads to: **TECH 3573 (Sr Fa)**

**TECH 3421 (4)**  
 Manufacturing Process II  
**FIXED - no other semester  
 works**  
 Leads to: **TECH 4476  
 (Sr Sp), TECH 4571 (Sr Sp)**

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**Junior  
Fall**

2 elective slots

**TECH 4464 (3)**

Production Control Systems  
Take with: TECH 4460 (same  
term or earlier)

Window: Jr Fa, Sr Fa

**TECH 3440 (3)**

Project Plan/Cost Evaluation  
ET core, fixed semester

**TECH 4472 (3)**

Computer Aided Design  
After: TECH 1711 (Fr Fa),  
TECH 1521 (Fr Sp), TECH  
3401 (So Sp)

Or: Junior standing + MECH  
2320/2332 instead of TECH  
3401

Window: Jr Fa, Sr Fa

**Junior  
Spring**

2 elective slots

**TECH 4466 (3)**

Facility Design  
After: TECH 4460 (So Fa)  
Window: Jr Sp, Sr Sp

**TECH 4474 (3)**

Automation and Robotics  
After: TECH 1811 (Fr Sp)  
Needs: PHYS 2010 (So Fa)  
Window: Jr Sp, Sr Sp

**Senior  
Fall**

2 elective slots

**TECH 3573 (3)**

Dynamics/Design/  
Automation  
After: TECH 3044 (So Sp),  
TECH 3401 (So Sp)  
Needs: PHYS 2010 (So Fa),  
PHYS 2011 (So Fa)  
Window: Jr Fa, Sr Fa

1 open slot any technical  
elective

**Senior  
Spring**

2 elective slots

**TECH 4571 (3)**

Tool Design  
After: TECH 3421 (So Sp)  
Window: Jr Sp, Sr Sp

**TECH 4476 (3)**

Computer Aided  
Manufacturing  
After: TECH 3421 (So Sp)  
Needs: MATH 1730 (Fr Fa)  
Window: Jr Sp, Sr Sp