

☐ 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)**,
TECH 3421 (Jr Sp)

**Freshman
Spring**

TECH 1811 (3)
 Electronic Circuit Technology
 ET core, fixed semester
 Leads to: **TECH 3232 (Jr Sp)**,
TECH 4474 (Sr Sp)

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

**Sophomore
Fall**
 1 elective slot

TECH 2821 (3)
 Solid State Technology
**FIXED - no other semester
 works**

TECH 2822 (4)
 Circuit Analysis
 ET core, fixed semester

**Sophomore
Spring**
 2 elective slots

TECH 2831 (3)
 Advanced Solid State Tech
 Needs: MATH 1910 (Fr Sp)
 Window: So Sp, Jr Sp
 Leads to: **TECH 3821 (Jr Fa)**

TECH 3044 (4)
 Analysis for Engineering
 Tech
 ET core, fixed semester
 Leads to: **TECH 3821 (Jr Fa)**,
TECH 3573 (Sr Fa)

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 Sp
 Leads to: **TECH 4472 (Jr Fa)**,
TECH 3573 (Sr Fa)

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**Junior
Fall**

2 elective slots

TECH 3821 (3)
Industrial Electronics
**After: TECH 2831 (So Sp),
TECH 3044 (So Sp)**
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 3421 (4)
Manufacturing Process II
After: TECH 1711 (Fr Fa)
Window: So Sp, Jr Sp

TECH 3232 (3)
Digital Technology
After: TECH 1811 (Fr Sp)
Window: So Sp, Jr Sp

**Senior
Fall**

2 elective slots

TECH 3822 (3)
Programmable Logic Control
Take with: TECH 3232, TECH
3821 (same term or earlier)
Window: Jr Fa, Sr Fa

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

**Senior
Spring**

2 elective slots

TECH 4571 (3)
Tool Design
**FIXED - no other semester
works**

TECH 4474 (3)
Automation and Robotics
After: TECH 1811 (Fr Sp)
Needs: PHYS 2010 (So Fa)
**FIXED - no other semester
works**