Electrical Engineering Flow Chart and Suggested Schedule
See catalog for more options

Entering with all but 20 credits of SPU General Ed completed as…

2 Quarters of Programming in same language

Prog. I → Prog II: Data Structures

A Circuits 1 class with lab

Circuits I 5cr

Calculus Equivalent to SPU's

- MAT 1234 Calculus I 5cr
- MAT 1235 Calculus II 5cr
- MAT 1236 Calculus III 5cr

Additional Math Equivalent to SPU's

- MAT 3238 Vect. Calc. 3cr
- MAT 3237 Diff. Eqn. 3cr
- MAT 2401 Linear Alg 3cr

Physics Equivalent to SPU's

- PHY 1121 Physics I 5cr
- PHY 1122 Physics II 5cr
- PHY 1123 Physics III 5cr
- CHM 1310 (If needed) 0-5cr

SPU Year 1

- EE 1210 Logic Des 5cr → EE 3760 Comp Org 5cr → EE 3280 MicroCtrl 5cr
- EE 2728 Circuits II for xfers 5 cr
- EE 3721 Elect. I 5cr → EE 3722 Elect. II 5cr
- Concurrent OK
- EE 3730 Jr. Design 5cr → EE 4211 Sr. Des. I 3cr → EGR 4812 Sr. Des. II 3cr → EGR 4899 Sr. Des. III 3cr
- EE 3410 Signals 5cr
- EE 3550 Comm Sys 5cr
- EGR 2200 Prob/Stat 3cr – either quarter
- EE 3315 E&M I 3cr
- Gen Ed 5cr
- EGR 3000 Int. Prep 1cr → **Approved internship is also a pre-req for 4941, see ECS Intern Canvas site** → EGR 4941 Int.Review 1cr Offered Fall, Winter or both

SPU year 2

- EE 4911 FE Prep 1cr
- Tech Elect 5 Cr
- Tech Elect 5 Cr
- EE 3028 Circuits III 4cr
- Gen Ed 5cr
- Gen Ed 5cr
- Gen Ed 5cr

Advanced Writing (5 cr), UCOR 2000 (5cr) + UCOR 3000 (5cr) + UFND 3001 (5cr) + UFND 3100 (5cr)
WK-Arts (5cr) + WK-Humanities (5cr) + WK-Social Science (5cr) + WE (5cr) [CUE (3cr) if not included in one of the WK or the WE]
Foreign Language (if needed) (0-15cr)