General Engineering (ASE Concentration) Flow Chart and Suggested Schedule
See spu.edu/engineering for more options.

Freshman
- EGR 1501 CAD 1cr
- MAT 1234 Calculus I 5cr
- PHY 1121 Physics I 5cr
- EGR USEM 5cr
- UCOR 1000 5cr
- UFND 1000 5cr
- EGR 1402 1-2cr

Sophomore
- EGR 2891 Statics 4cr
- EE 2726 Circuits I 4cr
- MAT 2401 Linear Alg 3cr
- PHYSICS 1123 Physics III 5cr
- CHEM 1211 Chem I 5cr
- Concurrent OK
- Concurrent OK

- EGR 3310 Mech Mat 4cr
- EE 2727 Circuits II 4cr
- MAT 3237 Diff. Eqn. 3cr
- Concurrent OK
- Concurrent OK

- EGR 3400 Dynamics 5cr
- EGR 3500 Thermo I 5cr
- MAT 3238 Vect. Calc. 3cr
- Concurrent OK
- Concurrent OK

- EGR 3611 ASE I 5cr
- EGR 3612 ASE II 4cr
- Concurrent OK
- Concurrent OK

- EGR 3614 ASE III 4cr
- Concurrent OK
- Concurrent OK

Junior
- EGR 3501 Therm II 5cr
- Concurrent OK
- Concurrent OK

- EGR 3500 Thermo I 5cr
- MAT 3237 2401
- Concurrent OK
- Concurrent OK

- EGR 3611 ASE I 5cr
- MAT 3238 Vect. Calc. 3cr
- Concurrent OK
- Concurrent OK

- EGR 3612 ASE II 4cr
- Concurrent OK
- Concurrent OK

- EGR 3614 ASE III 4cr
- Concurrent OK
- Concurrent OK

- EGR 3310 Mech Mat 4cr
- EGR 3400 Prob/Stat 3cr
- Concurrent OK
- Concurrent OK

- EGR 3500 Int. Prep 1cr
- Concurrent OK
- Concurrent OK

Senior
- EGR 4811 Sr. Des. I 3cr
- Concurrent OK
- Concurrent OK

- EGR 4812 Sr. Des. II 3cr
- Concurrent OK
- Concurrent OK

- EGR 4899 Sr. Des. III 3cr
- Concurrent OK
- Concurrent OK

- EGR 4410 Mech Des. 3cr
- Concurrent OK
- Concurrent OK

- EGR 4910 FE Prep 1cr (opt.)
- Concurrent OK
- Concurrent OK

- EGR 4940 Internship 1cr
- Concurrent OK
- Concurrent OK

Technical Electives. See major requirements. 10-15cr

- UCOR 2000 (5cr) + UCOR 3000 (5cr) + UFND 2000 (5cr) + UFND 3100 (5cr)
- WK-Creative Arts (5cr) + WK-Human Systems (5cr) + WK-Humanities (5cr) + WE (5cr)
- Foreign Language (if needed) (0-15cr)