BS Degrees in ESE

Year 1
- Fall: Math 132 Calculus II (3 Credits), Phys 117A General Physics I (4 Credits), CSE 131 Computer Science I (3 Credits)
- Spring: Math 233 Calculus III (3 Credits), ESE 105 Intro to Electrical and Systems Engineering (3 Credits)

Year 2
- Fall: Math 217 Differential Equations (3 Credits), Chem 111A General Chemistry I (3 Credits), ESE 230 Intro to Electric & Electronic Circuits (4 Credits)
- Spring: ESE 326 Probability and Statistics (3 Credits), ESE 205 Intro to Engineering Design (3 Credits), ESE 232 Intro to Electronic Circuits (3 Credits)

Year 2 Spring
- ESE 319 Engineering Mathematics "B" (3 Credits)
- ESE 351 Signals and Systems (3 Credits)
- ESE 441 Control Systems (3 Credits)

Year 3-4
- Elective EE (3 Credits)
- Elective EE (3 Credits)
- Elective EE (3 Credits)
- Elective EE (3 Credits)
- Laboratory EE (3 Credits)
- Laboratory EE (3 Credits)
- ESE 448 Systems Engineering Laboratory (3 Credits)
- Elective Outside Concentration (3 Credits)
- Elective Outside Concentration (3 Credits)
- Elective Outside Concentration (3 Credits)
- Lab 4501 Engineering Ethics and Sustainability (1 Credit)
- 45 Units Engineering Topics
- 120 Units Total

General Requirements for EE and SSE
- EE Requirements
- SSE Requirements

Elective Areas
- Applied Physics
- Devices, Computer Engineering
- Signals, Imaging, Communications
- Control, Robotics

Other Links
- Undergraduate Research
- Double Degree
- Industry
- BS/MS
- PhD

Represents 2018-19 requirements, http://bulletin.wustl.edu/undergrad/engineering/electrical/#majors. Not all course prerequisites are shown. See the course listings for official lists.