# Bachelor of Science in Electrical & Computer Engineering Degree Planner

BIC courses are taken in sequence and are only offered in their respective sequence semesters.

### Fall – 16 hrs

- **BIC 1212**: Examined Life I
- **BIC 1314**: World Cultures I
- **BIC 1413**: World of Rhetoric I
- **EGR 1101**: New Student Experience
- **EGR 1301**: Intro to EGR
- **MTH 1321**: Calculus I
- **Chapel**

### Spring – 16-17 hrs

- **BIC 1324**: World Cultures II
- **CHE 1301**: Chemistry I (or CSI 1430)
- **EGR 1302**: EGR Analysis
- **MTH 1322**: Calculus II
- **PHY 1420**: Physics I
- **PHY 1430**: Physics II

### Summer I

- **Foreign Language (or later)**

### Fall – 17-18 hrs

- **BIC 2334**: World Cultures III (pre-req waiver)
- **CSI 1430**: Intro CSI and Lab (or CHE 1301)
- **ELC 2337**: Digital Logic Design
- **ELC 2137**: Digital Logic Lab
- **MTH 2321**: Calculus III
- **MTH 2340**: Social World II
- **ELC 2337**: Digital Logic Design
- **ELC 2330**: Social World I (pre-req waiver)
- **ELC 3336**: Microprocessor Systems
- **ELC 3337**: Applied Electromagnetics
- **ELC 3335**: Signals and Systems
- **ELC 3380**: Jr. Design
- **LF 11xx**: MTH Elective

### Spring - 16 hrs

- **BIC 2344**: World Cultures IV
- **BIC 2340**: Social World II
- **ELC 2330**: Electrical Circuit Theory
- **ELC 2335**: Electronic Design
- **ELC 3114**: Electronic Design Lab
- **EGR 4390**: Sr. Design

### Summer I

- **Foreign Language (or later)**

### Fall – 16 hrs

- **BIC 3358**: Biblical Heritage & Ethics
- **ELC 3338**: Computer Organization
- **ELC 43xx**: Elective I
- **ELC 3314**: Electronic Design
- **ELC 3332**: Controls
- **EGR 4351**: Digital Signal Processing
- **STA 3381**: Statistical Methods

### Spring – 16 hrs

- **BIC 3358**: Biblical Heritage & Ethics
- **ELC 3338**: Computer Organization
- **ELC 43xx**: Elective I
- **ELC 3314**: Electronic Design
- **ELC 3332**: Controls
- **EGR 4351**: Digital Signal Processing
- **STA 3381**: Statistical Methods

### Summer I

- **May take BIC 3358 and adjust SP SR schedule**

### Fall – 16 hrs

- **ELC 4438**: Embedded Systems
- **ELC 33xx**: Elective II
- **ELC 43xx**: Elective III
- **STA 3381**: Statistical Methods
- **Economics/Technical Writing Track**

### Spring – 15 hrs

- **ELC 43xx**: Elective IV
- **ELC 43xx**: Elective IV
- **ELC 43xx**: Elective III
- **ELC 43xx**: Elective III
- **STA 3381**: Statistical Methods

### Economics/Technical Writing Tracks

- 1) **EGR 4301 & ENT 4340**
- 2) **ECO 3308 & PWR 3300**
- 3) **EGR 4301 & PWR 3300**

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- **◊** - Course offered only in semester indicated
- **β** - Must complete course with a grade of "B" or better to move into the degree-granting majors.
- **֍** - Compete A) second-level proficiency (either through 1302 or 1412) in a Foreign of Classical language
  B) second-level proficiency (1406+) in American Sign Language (minimum 3 hours)
  C) Take 3 hours of a Culture Course included on the FLC Distribution List for Engineering Programs (catalogue p 233).

*Ethics Option: EGR 3305, 3315; REL 3390, 3392, 4393, 4395; BUS 3350. May petition BIC 3358.

Economics/Technical Writing Tracks:  1) **EGR 4301 & ENT 4340**; 2) **ECO 3308 & PWR 3300**; 3) **EGR 4301 & PWR 3300**

Revised 8/2020