# BIC – Bachelor of Science in Engineering (BSE) Degree Planner
## Aerospace Concentration

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

### Fall – 15 hrs
- BIC 1112: Examined Life I
- BIC 1314: World Cultures I
- BIC 1313: World of Rhetoric I
- φ EGR 1301: Intro to EGR
- φ EGR 1101: New Student Experience
- MTH 1321: Calculus I
- LF 11xx
- Chapel
- Summer I
- Foreign Language (or later)

### Spring – 17 hrs
- BIC 1324: World Cultures II (co-req waiver)
- EGR 1302: EGR Analysis
- MTH 1322: Calculus II
- PHY 1420: Physics I
- CHE 1301: Chemistry I
- LF 11XX
- Chapel
- Summer II
- Foreign Language (or later)

### Fall – 16 hrs
- BIC 2334: World Cultures III (pre-req waiver)
- ME 2320: Statics
- ELC 2320: Circuits
- MTH 2321: Calculus III
- PHY 1430: Physics II
- BIC 2330: Social World I (pre-req waiver)
- BIC 2340: Social World II (pre-req waiver)

### Spring – 16 hrs
- BIC 2344: World Cultures IV (pre-req waiver)
- ME 2345: Thermodynamics
- φ ME 2321: Dynamics
- MTH 3325: Differential Equations (ODE)
- STA 3381: Statistical Methods
- ME 2170: CAD Lab

### Summer I
- Summer II
- BIC 3358: Biblical Heritage and Ethics

### Fall – 17 hrs
- BIC 3320: Strength of Materials
- φ ME 3322: Materials
- ME 3420: I&M
- MTH 2311: Linear Algebra
- EGR 2108: Economics
- ME 3323: Machine Design
- MTH 3325: Differential Equations (ODE)
- EGR 4301: Technical Writing

### Spring – 18 hrs
- ME 2347: Propulsion
- ME 3122: Materials Lab
- ME 3322: Materials
- EGR 3380: JR Design
- ME 3321: Fluids
- ME 3325: Differential Equations (ODE)
- PWR 3300: Technical Writing

### Summer II
- Summer II
- BIC 3358 if not taken in the summer

φ - 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 (BIC 4374 counts)

Aero electives: ME 4322, ME 4324, ME 4337, ME 4344, ME 4349, or ME 4356
Economics/Technical Writing Tracks: 1) EGR 4301 and ENT 4340; 2) ECO 3308 and PWR 3300; 3) EGR 4301 and PWR 3300

Revised 1/25/2024