

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

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

<b>Fall – 15 hrs</b>	<b>Spring – 17 hrs</b>
BIC 1212: Examined Life I	BIC 1324: World Cultures II
BIC 1314: World Cultures I	EGR 1302: EGR Analysis β
BIC 1413: World of Rhetoric I	MTH 1322: Calculus II
◊ EGR 1301: Intro to EGR β	PHY 1420: Physics I
EGR 1101: New Student Experience	CHE 1301: Chemistry I
MTH 1321: Calculus I	LF 11xx
Chapel	Chapel
<b>Summer I</b>	<b>Summer II</b>
Foreign Language (or later) ☯	Foreign Language (or later) ☯
<b>Fall – 17 hrs</b>	<b>Spring - 16 hrs</b>
BIC 2334: World Cultures III (pre-req waiver)	BIC 2344: World Cultures IV (pre-req waiver)
◊ ME 2320: Statics	ELC 2330: Electrical Circuit Theory
ELC 2337: Digital Logic Design or CSI 1430	ELC 2130: Electrical Circuit Theory Lab
ELC 2137: Digital Logic Lab	◊ ME 2321: Dynamics
MTH 2321: Calculus III	MTH 3325: Differential Equations (ODE)
PHY 1430: Physics II	Concentration 1
<b>Summer I</b>	<b>Summer II</b>
<b>Fall - 18 hrs</b>	<b>Spring - 18 hrs</b>
BIC 2330: Social World I (pre-req waiver)	BIC 2340: Social World II (pre-req waiver)
Concentration 2	ELC 3335: Systems Modeling & Control
ME 2345: Thermodynamics	ELC/ME/EGR Elective 2
MTH 2311: Linear Algebra	STA 3381: Statistical Methods
ELC/ME/EGR Elective I	EGR 3380: EGR Design I
Economics/Technical Writing Track	Economics/Technical Writing Track
<b>Summer I</b>	<b>Summer II</b>
BIC 3358: Biblical Heritage and Ethics	
<b>Fall – 16 hrs</b>	<b>Spring – 15 hrs</b>
ME 3420: Instrumentation/Measurements	EGR 4390: EGR Design II
Concentration 3	ELC/ME/EGR Elective 3
Concentration 4	ELC/ME/EGR Elective 4
Concentration 5	Concentration 6
MTH/SCI: 33xx-44xx Approved	EGR 3305: Social/Ethical Issues
LF 11xx	(take BIC 3358 if not taken in summer)

◊ - Course offered only in semester indicated

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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 or 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).

BSE students must complete one of the following: 1) a targeted set of courses in one of the following concentrations (Biomedical, Geo-Petro, Environmental, or Humanitarian). See the General EGR flowchart for detailed course listings for each. 2) Any minor offered by Baylor except EGR or Mathematics. Note that an additional minor in MTH can be earned by the proper choice of math/science elective but does not satisfy this requirement. Take an additional 6-8 hours from the courses above or from courses which have on one more of the above as prerequisites.

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