

## 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
BIC 1413: World of Rhetoric I	MTH 1322: Calculus II
EGR 1301: Intro to EGR	PHY 1420: Physics I
EGR 1095: First Year Seminar	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 2137: Digital Logic Lab	ELC 2130: Electrical Circuit Theory Lab
ELC 2337: Digital Logic Design or CSI 1430	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	Economics/Technical Writing Track
ELC/ME/EGR Elective I	EGR 3380: EGR Design I
Economics/Technical Writing Track	ELC 3335: Systems Modeling & Control
ME 2345: Thermodynamics	ELC/ME/EGR Elective 2
MTH 2311: Linear Algebra	STA 3381: Statistical Methods
<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)

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

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