

BIC – B.S. in ENGINEERING (BSE) Degree Planner

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

Fall – 15 hrs	Spring – 17 hrs
BIC 1212 Examined Life I	BIC 1324 World Cultures II
BIC 1314 World Cultures I	PHY 1420 Physics I
BIC 1413 World of Rhetoric I	EGR 1302 EGR Analysis
EGR 1301 Intro to EGR	MTH 1322 Calculus II
MTH 1321 Calculus	CHE 1301 Chemistry I
EGR 1095 First Year Seminar	LF 11xx
Summer I – 3-4 hrs	Summer II – 3-4 hrs
FOREIGN LANGUAGE (or later)	FOREIGN LANGUAGE (or later)
Fall – 17 hrs	Spring – 16 hrs
BIC 2334 World Culture III (pre-req waiver)	BIC 2344 World Cultures IV (pre-req waiver)
ELC 2337 Digital Logic Design	ELC 2330 Electrical Circuit Theory
ELC 2137 Digital Logic Lab	ELC 2130 Electrical Circuit Theory Lab
ME 2320 Statics	MTH 3325 Differential Equations
MTH 2321 Calculus III	ME 2321 Dynamics
PHY 1430 Physics II	Concentration 1
Summer I	Summer II
Fall – 18 hrs	Spring – 18 hrs
BIC 2330 Social World I (pre-req waiver)	BIC 2340 Social World II (pre-req waiver)
ME 2345 Thermodynamics	ELC 4335 Systems Modeling & Control
MTH 2311 Linear Algebra	STA 3381 Statistical Methods
Economics/Technical Writing Track	Economics/Technical Writing Track
Concentration 2	EGR 3380 EGR Design I
Concentration 3	ELC/ME/EGR Elective 1
Summer I	Summer II
BIC 3358: Biblical Heritage/Ethics	
Fall – 16 hrs	Spring – 15 hrs
ME 3420 Instrumentation/Measurements	EGR 4390: EGR Design II
ELC/ME/EGR Elective 2	ELC/ME/EGR Elective 3
MTH/SCI 33xx-44xx Approved	ELC/ME/EGR Elective 4
Concentration 4	Concentration 6
Concentration 5	EGR 3305 Social/Ethical Issues
Lifetime Fitness	(take BIC 3358 if not taken in summer)

To satisfy B.S.E. 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 listing 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 if does not satisfy this requirement.

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