

BIC – B.S.E.C.E. ELECTRICAL & COMPUTER ENGINEERING Degree Planner
 BIC courses are taken in sequence and are only offered in their respective sequence semesters.

Fall – 15 hrs	Spring – 16 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 Engineering	MTH 1322 Calculus II
MTH 1321 Calculus	CHE 1301 Chemistry I
EGR 1095 First Year Seminar	
Chapel	Chapel
Summer I – 3-4 hrs	Summer II 3-4 hrs
Foreign Language (or later)	Foreign Language (or later)
Fall – 17 hrs	Spring – 17 hrs
BIC 2334 World Culture III	BIC 2344 World Cultures IV
ELC 2337 Digital Logic Design	BIC 2340 Social World II
ELC 2137 Digital Logic Lab	ELC 2330 Electrical Circuit Theory
CSI 1336 Algorithms	ELC 2130 Electrical Circuit Lab
MTH 2321 Calculus III	MTH 2311 Linear Algebra
PHY 1430 Physics II	MTH 3325 Differential Equations
	Lifetime Fitness
Summer I – 3 hrs	Summer II – 3 hrs
Fall – 16 hrs	Spring – 15 hrs
BIC 2330 Social World I	*BIC 3358 Bibl Heritage and Ethics
EGR 3336 Microprocessor Systems	ELC 3337 Applied Electromagnetics
ELC 3335 Signals and Systems	ELC 3338 Computer Organization
Math Elective	ELC Elective 1
ELC 3314 Electronic Design	EGR 3380 Jr Design
ELC 3114 Electronic Design Lab	*Petition to replace for Ethics Elective
Summer I	Summer II
May take BIC 3358 and adjust SP SR schedule	
Fall – 15 hrs	Spring – 18 hrs
ELC 4332 Controls	EGR 4351 Digital Signal Processing
STA 3381 Statistical Methods	EGR 4390 Sr Design
ELC 43XX Elective 2	ELC 4438 Embedded Systems
ELC 43XX Elective 3	ELC 43XX Elective 4
Economics/Technical Writing Track	ELC 43XX Elective 5
	Economics/Technical Writing Track

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

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