

BIC – Bachelor of Science in Electrical & Computer Engineering Degree Planner

BIC

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

Fall – 15 hrs	Spring – 16-17 hrs
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	PHY 1420: Physics I
EGR 1301: Intro to EGR	MTH 1322: Calculus II
EGR 1095: First Year Seminar	CHE 1301: Chemistry I (or CSI 1430)
MTH 1321: Calculus I	Chapel
Chapel	
Summer I	Summer II
Foreign Language (or later)	Foreign Language (or later)
Fall – 17-18 hrs	Spring - 16 hrs
BIC 2334: World Cultures III (pre-req waiver)	BIC 2344: World Cultures IV
ELC 2337: Digital Logic Design	BIC 2340: Social World II
ELC 2137: Digital Logic Lab	ELC 2130: Electrical Circuit Lab
CSI 1430: Intro CSI and Lab (or CHE 1301)	ELC 2330: Electrical Circuit Theory
MTH 2321: Calculus III	MTH 2311: Linear Algebra
PHY 1430: Physics II	MTH 3325: Differential Equations (ODE)
Summer I	Summer II
Fall - 16 hrs	Spring - 16 hrs
BIC 2330: Social World I (pre-req waiver)	*BIC 3358: Biblical Heritage & Ethics
EGR 3336: Microprocessor Systems	ELC 3337: Applied Electromagnetics
EGR 3380: Jr. Design	ELC 3338: Computer Organization
ELC 3314: Electronic Design	ELC Elective I
ELC 3114: Electronic Design Lab	MTH Elective
ELC 3335: Signals and Systems	LF 11xx
Summer I	Summer II
May take BIC 3358 and adjust SP SR schedule	
Fall – 16 hrs	Spring – 15 hrs
ELC 4332: Controls	EGR 4351: Digital Signal Processing
ELC 4438: Embedded Systems	EGR 4390: Sr. Design
ELC 43xx: Elective II	ELC 43xx: Elective III
STA 3381: Statistical Methods	ELC 43xx: Elective IV
Economics/Technical Writing Track	Economic/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 & ENT 4340; 2) ECO 3308 & ENG 3300; 3) EGR 4301 & ENG 3300