

BIC – Bachelor of Science in Mechanical Engineering (BSME) 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	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	Chapel
Chapel	
Summer I	Summer II
Foreign Language (or later)	Foreign Language (or later)
Fall – 17 hrs	Spring - 18 hrs
BIC 2334: World Cultures III	BIC 2344: World Cultures IV (pre-req waiver)
BIC 2330: Social World I	ELC 2320: Electrical Circuit Theory
ME 2320: Statics	ME 2321: Dynamics
MTH 2321: Calculus III	ME 2345: Thermodynamics
PHY 1430: Physics II	MTH 3325: Differential Equations (ODE)
LF 11xx	STA 3381: Statistical Methods
Summer I	Summer II
Fall - 16 hrs	Spring - 16 hrs
ME 3320: Strength of Materials	BIC 2340: Social World II (pre-req waiver)
ME 3345: Advanced Thermodynamics	ME 3321: Fluid Mechanics
ME 3420: Instrumentation/Measurements	ME 3322: Materials and Manufacturing
MTH 2311: Linear Algebra	ME 3122: Materials Lab
MTH 3326: Partial Differential Equations	ME 3323: Machine Design
	EGR 3380: EGR Design I
Summer I	Summer II
Fall – 15 hrs	Spring – 15 hrs
ME 4325: Dynamic Systems	*BIC 3358: Biblical Heritage & Ethics
ME 4345: Heat Transfer	EGR 4390: EGR Design II
ME Elective	ME Elective
ELC 4335: Systems Modeling and Control	ME Elective
Economics/Technical Writing Track	Economic/Technical Writing Track
	*Petition BIC 3358 for Ethics Elective

Mechanical Engineering Electives: EGR 3V95, EGR 4375, BME 4370, BME 4374, ME 4320, ME 4322, ME 4324, ME 4327, ME 4330, ME 4336, ME 4344, ME 4347, ME 4382, ME 4384, MR 4385, ME 4396, ME 4V97.

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