

BIC – B.S. 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	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	Chapel
Chapel	
Summer I – 3-4 hrs	Summer II – 3-4 hrs
FOREIGN LANGUAGE (or later)	FOREIGN LANGUAGE (or later)
Fall – 17 hrs	Spring – 18 hrs
BIC 2334 World Culture III	BIC 2344 World Cultures IV (pre-req waiver)
BIC 2330 Social World I	ME 2321 Dynamics
ME 2320 Statics	ME 2345 Thermodynamics
MTH 2321 Calculus III	MTH 3325 Differential Equations
PHY 1430 Physics II	ELC 2330 Electrical Circuit Theory
Lifetime Fitness	STA 3381 Statistical Methods
Summer I	Summer II
Fall – 15 hrs	Spring – 17 hrs
ME 3320 Strength of Materials	BIC 2340 Social World II (pre-req waiver)
ME 3345 Advanced Thermodynamics	ME 3321 Fluid Mechanics
EGR 3380 EGR Design I	ME 3322 Materials and Manufacturing
MTH 3326 Partial Differential Equations	ME 3323 Machine Design
MTH 2311 Linear Algebra	ME 3122 Materials Lab
	ME 3420 Instrumentation/Measurements
Summer I	Summer II
Fall – 15 hrs	Spring – 15 hrs
ME 4325 Dynamic Systems	EGR 4390 EGR Design II
ME 4345 Heat Transfer	ME ELECTIVE
ME Elective	ME ELECTIVE
ELC 4335 Systems Modeling and Control	*BIC 3358: Biblical Heritage/Ethics
Economics/Technical Writing Track	Economics/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 and ENT 4340; 2) ECO 3308 and ENG 3300; 3) EGR 4301 and ENG 3300

Revised: 7/2017