

**4-Year Degree Map for BSME
Bulletin 2008-09**

Year	Fall	Credits	Spring	Credits
Freshman	MTH 132 Calculus I CHM 131 Introduction to Chemistry I* CPS 180 Principles of Computer Programming EGR 120 Introduction to Engineering Group I-A Total:	(4) (4) (3) (3) (3) 17	MTH 133 Calculus II PHY 145 University Physics I PHY 175 University Physics Laboratory I IET 154 Engineering Design Graphics EGR 190 Digital Circuits Group I-B Total:	(4) (4) (1) (3) (3) (3) 18
Sophomore	MTH 232 Linear Algebra & Differential Equations PHY 146 University Physics II EGR 251 Engineering Statics EGR 290 Circuit Analysis I ENG 201 Written Competency Total:	(3) (4) (3) (3) (3) 16	MTH 233 Calculus III EGR 253 Engineering Dynamics EGR 255 Strength of Materials EGR 355 Engineering Materials Group II-A Total:	(4) (3) (3) (3) (3) 16
Junior	EGR 356 Thermodynamics I EGR 358 Fluid Mechanics EGR 359 Machine Design I EGR 360 Solid Mechanics Lab Group IV-A Total:	(3) (3) (3) (3) (3) 15	EGR 459 Machine Design II EGR 371 Robotics & Automation EGR 456 Thermodynamics II & Heat Transfer BLR 202 BM#3, Group III-B STA 392 Probability & Statistics Group III-A Total:	(3) (3) (3) (3) (3) (3) 18
Senior	EGR 453 Vibration EGR 458 Measurement and Instrumentation EGR 489 Senior Design I Business #1 Group IV-B Total:	(3) (3) (3) (3) (3) 15	EGR 460 Thermal Fluids Lab EGR 499 Senior Design II Engineering Elective Business #2 Group IV-C Total:	(3) (3) (3) (3) (3) 15

Notes:

B.S.M.E. program requires a minimum of 130 credits. Four year plan assumes student is prepared to start with MTH 132 Calculus I, has CLEP or AP Credit for English, and has a satisfactory oral competency exam score. Additional courses may be required to overcome deficiencies in any area.

*CHM 161 (5 credits) is also acceptable