

**4-Year Degree Map for BSEE
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 Group I-B‡ Group II-A Total:	(4) (4) (1) (3) (3) 15
Sophomore	MTH 232 Linear Algebra & Differential Equations PHY 146 University Physics II EGR 251 Engineering Statics EGR 290 Circuit Analysis I Group III-A Total:	(3) (4) (3) (3) (3) 16	MTH 233 Calculus III EGR 292 Circuit Analysis II EGR 294 Digital Circuits EGR 298 Microelectronic Circuits I Business #1 Total:	(4) (3) (3) (3) (3) 16
Junior	STA 392 Probability and Stat for Engineers EGR 355 Engineering Materials EGR 392 Microelectronic Circuits II EGR 393 Circuit Lab EGR 396 Microprocessor Fundamentals ENG 201 Written Competency Total:	(3) (3) (3) (3) (3) (3) 18	EGR 371 Robotics & Automation EGR 394 Computer Circuit Simulation EGR 398 Microelectronics and Computer Lab EGR 391 Signal and System Theory Group IV-A Business #2 Total:	(3) (3) (3) (3) (3) (3) 18
Senior	EGR 492 Automatic Control Systems EGR 491 CMOS Circuit Design Technical Elective #1 EGR 489 Senior Design I Group IV-B Total:	(3) (3) (3) (3) (3) 15	EGR 496 Communication Systems EGR 498 Introduction to Electromagnetics EGR 499 Senior Design II BLR 202 BM#3, Group III-B Group IV-C Total:	(3) (3) (3) (3) (3) 15

Notes:

B.S.E.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

‡TAI 170 covers this and fulfills oral English competency requirement