

General Engineering and Spanish double major
Hypothetical plan of study

Fall Semester, Year 1

EGR 110 MATLAB Program for Engineers (3)
EGR 120 Engineering Explorations (3)
EGR 135 Engineering Apps of Calculus I (1)
MAT 145 Calculus I (4)
ENG 101/COM 110 Composition/Com (3)
XXX Gen Ed (ex: SOC 106 IDEAS and ICL) (3)
SPA 115

Total credit hours: 17

Fall Semester, Year 2

MAT 149 Engineering Mathematics (3)
PHY 111 Physics II (4)
ELE 210 Circuits I (3)
ELE 211 Circuits I Lab (1)
MEC 150 Engineering Mech - Statics (3)
SPA 214

Total credit hours: 14

Fall Semester, Year 3

MEC 211 Mechanics of Materials Lab (1)
XXX M/S elect. (ex: ELE 260) (3)
XXX M/S elect. (ex: BSC 101 NS or GEO 102 NS) (3)
XXX Eng. elect. (ex: MEC 140) (3)
XXX Eng. elect. (ex: MEC 240) (3)
XXX Gen Ed (ex: MUS 152 or ART 275 FA) (3)
SPA 233 (3)
SPA 215 (3)

Total credit hours: 16

Fall Semester, Year 4

EGR 395 Senior Design I (3)
MEC 180 Engineering Codes and Ethics (1)
XXX Eng. Elect. (ex: ELE 265) (3)
XXX GE: SS (PSY 110, ECO 101, ECO 102) (3)
XXX Unr. elect. (3)
XXX Unr. elect. (3)
SPA 300-level (3)

Total credit hours: 15

Spring Semester, Year 1

EGR 130 Intro to Engineering Design (3)
EGR 136 Engineering Apps of Calculus II (1)
MAT 146 Calculus II (4)
PHY 110 Physics For Science & Engineering I (4)
COM 110/ENG 101 Communication/Comp (3)
SPA 116

Total credit hours: 15

Spring Semester, Year 2

MAT 148 Calculus III for Engineers and Applied Scientists (4)
ELE 220 Circuits II (3)
ELE 221 Circuits II Lab (1)
MEC 210 Mechanics of Materials (3)
XXX M/S ele (ex: CHE 140 NSA or PHY 112) (4)
SPA 213 (3)
SPA 243 (3)

Total credit hours: 15

Spring Semester, Year 3

ELE 230 Digital Logic Design (3)
ELE 231 Digital Logic Design Lab (1)
MEC 230 Engineering Thermodynamics (3)
XXX Eng. elect. (ex: MEC 330) (3)
XXX Gen Ed (ex: HIS 104 AMALI & H) (3)
XXX Gen Ed (ex: HIS 136 or GEO 142 UST) (3)
SPA 300-level (3)
SPA 323/324/326/327 (3)

Total credit hours: 16

Spring Semester, Year 4

EGR 396 Senior Design II (3)
XXX Controls (ELE 285 / MEC 350) (3)
XXX Engineering (ex: ELE 290 or ELE 380) (3)
XXX Gen Ed (ex: ENG 125 or ENG 128 LH) (3)
SPA 300-level (3)

Total credit hours: 12