EIGHT SEMESTER PLAN ELECTRICAL ENGINEERING

SRH 101: Search Seminar or HNR 160: Honors 3
Search CHE 104: General ChemistryMAT 231: Calculus II4CHE 104: General Chemistry I Lab EGR 101: Engineering Lab Safety EGR 260: Undergraduate Engineering Colloquium MAT 230: Calculus I1 COM 101: Composition & Research TOTAL THE 105 or PHI 1053 THE 105 or PHI 105Semester 3 EE 2701: Circuit Theory I EGR 201: Engineering Statics THE 201: Engineering Design I3 TOTALEE 201: Circuit Theory II EGR 201: Engineering Statics3 TER 201: Engineering Design II3 TOTALEE 201: Engineering Statics THE 105 or PHI 1053 THE 201: Engineering Design II THE 201: Engineering Design II THE 201: Engineering Design II TOTAL1 TOTALMAT 232: Calculus III4 THE 201: Engineering Design II THE 202: Engineering Design II THE 202: Engineering Design II THE 202: Engineering Design II TOTAL1 TOTALMAT 232: Calculus III4 THE 202: Engineering Design II THE 202: Engineering Design II THE 202: Engineering Design II TOTAL3 TOTALSemester 5 Semester 5 Semester 6 CreditsCredits Semester 6 CreditsTOTAL TOTAL16.25 Semester 6 CreditsSemester 5 Semester 5 Semester 6 CreditsCredits Semester 6 CreditsCredits Semester 6 CreditsSemester 5 Semester 6 CreditsCredits Semester 6 CreditsCredits Semester 6 CreditsSemester 7 Semester 8 Semester 9 CreditsEgr 300: Idea Design Lab EGR 300: Undergraduate Engineering Colloquium Colloquium EGR 200: Undergraduate Engineering Colloquium EGR 300: Measurement and Dynamic Response Lab EGR 310: Engineering Design I
CHE 110L: General Chemistry I Lab EGR 107: Engineering Lab Safety EGR 260: Undergraduate Engineering Colloquium MAT 230: Calculus I CS 115: Intro to Object-Oriented Prog.1 CS 115: Intro to Object-Oriented Prog.1 THE 105 or PHI 1053 THE 105 or PHI 105Semester 3 EE 200: Circuit Theory I EE 200: Circuit Theory I Lab PHY 201/L: Physics II with Lab EGR 201: Engineering Statics THE 105 or PHI 1053 EE 311: Electromagnetics I EGR 200: Undergraduate Engineering Gen Ed SEARCH Gen Ed SEARCH Gen Ed SEARCH EE 312: Electromagnetics I Gen Ed SEARCH Gen Ed SEARCH EE 312: Electromagnetics I Lab Gen Ed SEARCH Gen Ed SEARCH GEN 212: Electromagnetics I Lab Gen Ed SEARCH Gen Ed
CHE 110L: General Chemistry I Lab EGR 107: Engineering Lab Safety EGR 260: Undergraduate Engineering Colloquium MAT 230: Calculus I CS 115: Intro to Object-Oriented Prog.1 CS 115: Intro to Object-Oriented Prog.1 THE 105 or PHI 1053 THE 105 or PHI 105Semester 3 EE 200: Circuit Theory I EE 200: Circuit Theory I Lab PHY 201/L: Physics II with Lab EGR 201: Engineering Statics THE 105 or PHI 1053 EE 311: Electromagnetics I EGR 200: Undergraduate Engineering Gen Ed SEARCH Gen Ed SEARCH Gen Ed SEARCH EE 312: Electromagnetics I Gen Ed SEARCH Gen Ed SEARCH EE 312: Electromagnetics I Lab Gen Ed SEARCH Gen Ed SEARCH GEN 212: Electromagnetics I Lab Gen Ed SEARCH Gen Ed
EGR 107: Engineering Lab Safety EGR 260: Undergraduate Engineering Colloquium MAT 230: Calculus I CS 115: Intro to Object-Oriented Prog. TOTAL TOTA
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MAT 232: Calculus III A
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TOTAL 18 TOTAL 16.25 Semester 5 Credits Semester 6 Credits Gen Ed SEARCH Gen Ed SEARCH 3 EE 310: Digital Design EE 370: Electronics I EE 312: Electromagnetics II 3 EE 371: Electromechanical Energy Conversion 3 EE 371: Electronics I Lab PHY 304/L: Modern Physics w/Lab MAT 345: Applied Probability & Linear Methods MAT 345: Applied Probability & Linear Methods EGR 306: Measurement and Dynamic Response EGR 371L: Measurement and Dynamic Response Lab EGR 310: Engineering Design III 3 EGR 310: Engineering Design III
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Semester 5CreditsSemester 6CreditsGen Ed SEARCH3EE 310: Digital Design3EE 300: Electronics I3EE 372L: Digital Design Lab0.5EE 312: Electromagnetics II3EE 331: Electromechanical Energy Conversion3EE 371L: Electronics I Lab1EGR 260: Undergraduate Engineering0.25PHY 304/L: Modern Physics w/Lab4ColloquiumMAT 345: Applied Probability & Linear Methods4EGR 306: Measurement and Dynamic Response3EGR 371L: Measurement and Dynamic0.5Response LabEGR 310: Engineering Design III3
Gen Ed SEARCH EE 300: Electronics I EE 312: Electromagnetics II EE 371L: Electronics I Lab PHY 304/L: Modern Physics w/Lab MAT 345: Applied Probability & Linear Methods MAT 345: Applied Probability & Linear Methods EGR 371L: Measurement and Dynamic Response EGR 371L: Measurement and Dynamic Response Lab EGR 310: Digital Design EE 310: Digital Design Lab 0.5 EE 372L: Digital Design Lab 0.5 EGR 371L: Measurement Engineering 0.25 EGR 306: Measurement and Dynamic Response EGR 371L: Measurement and Dynamic Response Lab EGR 310: Engineering Design III 3
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EE 312: Electromagnetics II EE 371L: Electronics I Lab PHY 304/L: Modern Physics w/Lab MAT 345: Applied Probability & Linear Methods MAT 345: Applied Probability & Linear Methods EGR 371L: Measurement and Dynamic Response Lab EGR 310: Engineering Design III 3
EE 371L: Electronics I Lab PHY 304/L: Modern Physics w/Lab MAT 345: Applied Probability & Linear Methods MAT 345: Applied Probability & Linear Methods EGR 306: Measurement and Dynamic Response EGR 371L: Measurement and Dynamic Response Lab EGR 310: Engineering Design III 3
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EGR 310: Engineering Design III 3
TOTAL 18 TOTAL 16.25
Semester 7 Credits Semester 8 Credits
EE 4xx: EE Elective 3 EE 4xx: EE Elective 3
EE 47xL: EE Elective Lab 0.5 XE 4xx: Engineering Elective 3
XE 4xx: Engineering Elective 3 EGR: 481: Capstone Design II 2
EGR 260: Undergraduate Engineering Colloquium 0.25 PHI 208: Ethics and Technology 3
EGR 480: Capstone Design I 2 Gen Ed SEARCH 3
Gen Ed SEARCH 3 Gen Ed SEARCH 3
Gen Ed SEARCH 3
TOTAL 14.75 TOTAL 17
ADDITIONAL GRADUATION REQUIREMENTS RESIDENCY REQUIREMENTS GRADUATION CREDITS EARNED
SRH 101/HNR 160: FIRST YEAR SEMINAR Minimum of 123 non-remedial credits earned Liberal Arts Core credits earned
HUMAN DIVERSITY 45 of last 60 credits Major and Related Area credits
COMMUNITY SERVICE HOURSMinimum of 12 Alvernia credits in the major earned
OVERALL GPA = 2.0 or higher Minimum of 9 Alvernia credits in the minor Elective and/or Minor credits earned Minimum of 9 Alvernia credits in the minor Elective and/or Minor credits earned SUBTOTAL
GPA IN MAJOR = 2.0 or higher (if applicable) SUBTOTAL 2.5 in Writing Courses SUBTRACT CREDITS EARNED FOR
SUBTRACT CREDITS LARNED FOR
SENIOR CAPSTONE: met with EGR 480/481 MAT 100, and if applicable COM
SENIOR CAPSTONE: met with EGR 480/481 MAT 100, and if applicable COM WRITING ENHANCED COURSE 100