Engineering, B.S. Electrical Concentration (EE) Major

School of Engineering and Engineering Technology - Department of Engineering

Requirements List for 2012-2013

___ BIBL 1033 Biblical Literature
___ BIBL 1043 Biblical Foundations For Living
___ BIBL Jr.-Sr. Level Elective (3 hours)
___ BIBL Jr.-Sr. Level Elective (3 hours)
___ BUSI 3003 Foundations of Business for Engineers (1)
___ CHEM 1111 General Chemistry I Lab
___ CHEM 1113 General Chemistry I
___ COMM 1113 Intro. To Speech Communication
___ EEGR 2051 Circuits and Measurements Lab (2)
___ EEGR 2053 Electric Circuits (2)
___ EEGR 2163 Advanced Circuits (Spring only) (2)
___ EEGR 3213 Digital Electronics
___ EEGR 3233 Intro. To Microcontrollers (Fall only) (3)
___ EEGR 3314 Electronics (Fall only)
___ EEGR 3344 Advanced Electronics (Spring only)
___ EEGR 4234 Signals and Systems (Fall only)
___ EEGR 4254 Fields and Applied Communications (Spring only)
___ ENGL 1013 English Composition I
___ ENGL 1023 English Composition II
___ ENGL Literature Elective (3 hours)
___ ENGR 1311 Manufacturing Processes Lab
___ ENGR 1513 Intro. to Engineering Practice I (Fall only)
___ ENGR 1523 Intro. to Engineering Practice II (Spring only)
___ ENGR 2313 Materials Engineering
___ ENGR 2400 Sophomore Design Seminar (Spring only)
___ ENGR 2704 Project Management, Design and Entrepreneurship
___ ENGR 3423 Mechatronics
___ ENGR 3813 Engineering Design Methodology
___ ENGR 4813 Senior Design I (Fall only)
___ ENGR 4823 Senior Design II (Spring only)
___ HIST History Elective (3 hours)
___ KINE Physical Activities (1 hour)
___ KINE 1512 Concepts Of Lifetime Fitness
___ LETU 1101 Cornerstones Of Life And Learning
___ MATH 1903 Calculus I (2)
___ MATH 2013 Calculus II (2)
___ MATH 2023 Calculus III
___ MATH 2203 Differential Equations
___ MATH 3301 Linear Algebra Lab
___ MATH 3303 Linear Algebra
___ MATH 3404 Statistics and Quality Control
___ MEGR 2013 Statics (2)
___ MEGR 2023 Dynamics (4)
___ PHYS 2011 University Physics I Lab (Spring only)
___ PHYS 2013 University Physics I (Spring only)
___ PHYS 2021 University Physics II Lab (Fall only)
___ PHYS 2023 University Physics II (Fall only)
___ Approved Technical or Math Elective (3 hours)

Total hours: 130

Notes:
1: Or ENGR 4653 (recommended for engineering graduate school)
2: Minimum grade of 'C' required
3: EEGR 4233 Introduction to Microprocessors and Microcomputers (Fall) may be substituted for EEGR 3233.
4: Or choose either MEGR 3714 Fundamental and Applied Thermodynamics or MEGR 3323 Mechanics of Materials or approved elective towards graduate study.