# Engineering, B.S. Computer Concentration (CE) Major

School of Engineering and Engineering Technology - Department of Engineering

Requirements List for 2013-2014

___ 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)
___ CEGR 2102 Intro. to Computer Engineering (Fall only)
___ CEGR 4233 Intro. to Microprocessors and Microcomputers (Fall only)
___ CEGR 4253 Microcomputer Design (Spring only)
___ CHEM 1111 General Chemistry I Lab
___ CHEM 1113 General Chemistry I
___ COMM 1113 Intro. To Speech Communication
___ COSC 1303 Computer Science I
___ COSC 2103 Computer Science II
___ COSC 2203 Data Structures
___ COSC 3603 Networks And Data Communications (Fall only) (2)
___ EEGR 2051 Circuits and Measurements Lab (3)
___ EEGR 2053 Electric Circuits (3)
___ EEGR 2163 Advanced Circuits (Spring only) (3)
___ EEGR 3213 Digital Electronics
___ EEGR 3314 Electronics and Lab (Fall only)
___ EEGR 4283 Digital Signal Processing (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 2400 Sophomore Design Seminar (Spring only)
___ ENGR 2704 Project Management, Design and Entrepreneurship
___ 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 1803 Discrete Mathematics
___ MATH 1903 Calculus I (3)
___ MATH 2013 Calculus II (3)
___ MATH 2203 Differential Equations
___ MATH 3303 Linear Algebra
___ MATH 3403 Statistics
___ MEGR 2013 Statics (3)
___ 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)
___ Math Elective (3 hours) (4)
___ Technical Elective (3 hours) (5)

Total hours: 130

Notes:

1: ENGR 4653 Advanced Engineering Analysis recommended if considering engineering graduate school.

2: COSC 3303 Computer Architecture (Spring) or COSC 3503 Operating Systems (Spring) may be substituted for COSC 3603.

3: Minimum grade of 'C' required

4: MATH 3453, 4233, 4253, 4403 or 4513

5: Any 3000+ level approved Engineering course or Computer Science course