

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

### School of Engineering and Engineering Technology - Department of Engineering

### Sequence Sheet for 2013-2014

#### First Semester - Fall 2013 (16 hours)

- \_\_\_ BIBL 1043 Biblical Foundations For Living
- \_\_\_ ENGL 1013 English Composition I
- \_\_\_ ENGR 1311 Manufacturing Processes Lab
- \_\_\_ ENGR 1513 Intro. to Engineering Practice I (Fall only)
- \_\_\_ KINE 1512 Concepts Of Lifetime Fitness
- \_\_\_ LETU 1101 Cornerstones Of Life And Learning
- \_\_\_ MATH 1903 Calculus I (1)

#### Third Semester - Fall 2014 (16 hours)

- \_\_\_ CEGR 2102 Intro. to Computer Engineering (Fall only)
- \_\_\_ COSC 1303 Computer Science I
- \_\_\_ EEGR 2051 Circuits and Measurements Lab (1)
- \_\_\_ EEGR 2053 Electric Circuits (1)
- \_\_\_ MATH 2203 Differential Equations
- \_\_\_ PHYS 2021 University Physics II Lab (Fall only)
- \_\_\_ PHYS 2023 University Physics II (Fall only)

#### Fifth Semester - Fall 2015 (16 hours)

- \_\_\_ CEGR 4233 Intro. to Microprocessors and Microcomputers (Fall only)
- \_\_\_ COMM 1113 Intro. To Speech Communication
- \_\_\_ COSC 2203 Data Structures
- \_\_\_ EEGR 3314 Electronics and Lab (Fall only)
- \_\_\_ MATH 3303 Linear Algebra

#### Seventh Semester - Fall 2016 (16 hours)

- \_\_\_ CHEM 1111 General Chemistry I Lab
- \_\_\_ CHEM 1113 General Chemistry I
- \_\_\_ COSC 3603 Networks And Data Communications (Fall only) (4)
- \_\_\_ ENGR 4813 Senior Design I (Fall only)
- \_\_\_ MATH 3403 Statistics
- \_\_\_ BIBL Jr.-Sr. Level Elective (3 hours)

#### Second Semester - Spring 2014 (16 hours)

- \_\_\_ BIBL 1033 Biblical Literature
- \_\_\_ ENGL 1023 English Composition II
- \_\_\_ ENGR 1523 Intro. to Engineering Practice II (Spring only)
- \_\_\_ MATH 2013 Calculus II (1)
- \_\_\_ PHYS 2011 University Physics I Lab (Spring only)
- \_\_\_ PHYS 2013 University Physics I (Spring only)

#### Fourth Semester - Spring 2015 (16 hours)

- \_\_\_ COSC 2103 Computer Science II
- \_\_\_ EEGR 2163 Advanced Circuits (Spring only) (1)
- \_\_\_ EEGR 3213 Digital Electronics
- \_\_\_ ENGR 2400 Sophomore Design Seminar (Spring only)
- \_\_\_ ENGR 2704 Project Management, Design and Entrepreneurship
- \_\_\_ MATH 1803 Discrete Mathematics

#### Sixth Semester - Spring 2016 (18 hours)

- \_\_\_ BUSI 3003 Foundations of Business for Engineers (2)
- \_\_\_ CEGR 4253 Microcomputer Design (Spring only)
- \_\_\_ EEGR 4283 Digital Signal Processing (Spring only)
- \_\_\_ ENGR 3813 Engineering Design Methodology
- \_\_\_ MEGR 2013 Statics (1)
- \_\_\_ Math Elective (3 hours) (3)

#### Eighth Semester - Spring 2017 (16 hours)

- \_\_\_ ENGR 4823 Senior Design II (Spring only)
- \_\_\_ KINE Physical Activities
- \_\_\_ BIBL Jr.-Sr. Level Elective (3 hours)
- \_\_\_ ENGL Literature Elective (3 hours)
- \_\_\_ HIST History Elective (3 hours)
- \_\_\_ Technical Elective (3 hours) (5)

#### Other courses required

Total hours: 130

#### Notes:

- 1: Minimum grade of 'C' required
- 2: ENGR 4653 Advanced Engineering Analysis recommended if considering engineering graduate school.
- 3: MATH 3453, 4233, 4253, 4403 or 4513
- 4: COSC 3303 Computer Architecture (Spring) or COSC 3503 Operating Systems (Spring) may be substituted for COSC 3603.
- 5: Any 3000+ level approved Engineering course or Computer Science course