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

School of Engineering and Engineering Technology - Department of Engineering

Sequence Sheet for 2008-2009

First Semester - Fall 2008 (18 hours)

___ BIBL 1043 Biblical Foundations For Living
___ CHEM 1111 General Chemistry I Lab
___ CHEM 1113 General Chemistry I
___ ENGL 1013 English Composition I
___ ENGR 1043 Engineering Graphics
___ ENGR 1311 Manufacturing Processes Lab
___ LETU 1101 Cornerstones Of Life And Learning
___ MATH 1903 Calculus I (1)
___ Fulfill English Proficiency Requirement (0 hours)

Second Semester - Spring 2009 (16 hours)

___ CHEM 1121 General Chemistry II Lab (Spring only) (2)
___ CHEM 1123 General Chemistry II (Spring only) (2)
___ ENGL 1023 English Composition II
___ ENGR 1812 Fundamentals Of Engineering Design
___ MATH 2013 Calculus II (1)
___ PHYS 2011 University Physics I Lab (Spring only)
___ PHYS 2013 University Physics I (Spring only)

Third Semester - Fall 2009 (17 hours)

___ BIBL 1033 Biblical Literature
___ COMM 1113 Intro. To Speech Communication
___ EEGR 2053 Electric Circuits I (1)
___ KINE Physical Activities
___ MATH 2203 Differential Equations
___ PHYS 2021 University Physics II Lab (Fall only)
___ PHYS 2023 University Physics II (Fall only)

Fourth Semester - Spring 2010 (17 hours)

___ COSC 1303 Computer Science I
___ EEGR 2063 Electric Circuits II (Spring only) (1)
___ EEGR 3213 Digital Electronics
___ ENGR 2122 Instrumentation And Measurements Lab
___ ENGR 2400 Sophomore Design Seminar (Spring only)
___ MATH 2023 Calculus III
___ MEGR 2013 Statics (1)

Fifth Semester - Fall 2010 (16 hours)

___ EEGR 3112 Electronics Lab I (Fall only)
___ EEGR 3233 Intro. To Microcontrollers (Fall only) (3)
___ EEGR 3313 Electronics I (Fall only)
___ ENGR 3022 Engineering Project Management
___ ENGR 3813 Engineering Design Methodology
___ MEGR 2023 Dynamics (1)

Sixth Semester - Spring 2011 (18 hours)

___ EEGR 3133 Electronics Design Lab (Spring only)
___ EEGR 3323 Electronics II (Spring only)
___ ENGR 2313 Materials Engineering
___ ENGR 3423 Mechatronics
___ MATH 3403 Statistics
___ BIBL Jr.-Sr. Level Elective (3 hours)

Seventh Semester - Fall 2011 (18 hours)

___ EEGR 4513 Electromagnetic Fields And Waves (Fall only)
___ ENGR 4400 Senior Design Seminar (Fall only)
___ ENGR 4813 Senior Design I (Fall only)
___ MATH 3303 Linear Algebra (4)
___ MEGR 3713 Thermodynamics
___ ENGL Literature Elective (3 hours)
___ HIST History Elective (3 hours)

Eighth Semester - Spring 2012 (17 hours)

___ EEGR 4613 Communications Engineering (Spring only)
___ ENGR 4823 Senior Design II (Spring only)
___ KINE 1512 Concepts Of Lifetime Fitness
___ BIBL Jr.-Sr. Level Elective (3 hours)
___ Humanities or Social Science Elective (3 hours)
___ Technical Elective (3 hours) (5)

Total hours: 137

Notes:
1: Minimum grade of 'C' required
2: BIOL 1113/1111 General Biology I/Lab, BIOL 1123/1121 General Biology II/Lab, BIOL 2014 Human Anatomy and Physiology I, or BIOL 2024 Human Anatomy and Physiology II may be substituted for CHEM 1123/1121.
3: EEGR 4233 Introduction to Microprocessors (Fall) may be substituted for EEGR 3233.
4: MATH 4403 Numerical Analysis (Fall only) or MATH 4503 Statistical Quality Assurance (Spring only) may be substituted for MATH 3303.
5: Any 2000+ level engineering course, COSC (3 hours max) 2000+ level course, PHYS 3214 Relativity and Quantum Theory (Spring, Odd years), or PHYS 4414 Optics (Spring, Even years) which is approved by the academic advisor.