Engineering, B.S. Mechanical Concentration (ME) 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 4314 Digital Electronics and Controls (Fall only) (3)
___ 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 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 (2)
___ MEGR 3123 Experimental Methods in Mechanical Engineering
___ MEGR 3204 Fluid Mechanics and Heat Transfer (Spring only)
___ MEGR 3323 Mechanics Of Materials (Spring only)
___ MEGR 3604 Mechanisms, Kinematics and Vibrations (Spring only) (3)
___ MEGR 3714 Fundamental and Applied Thermodynamics
___ MEGR 4143 Experiment Design (Fall only) (3)
___ MEGR 4443 Machine Design (Fall only)
___ 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 Advanced Engineering Analysis recommended if considering engineering graduate school.
2: Minimum grade of 'C' required
3: May be replaced by a technical elective if approved by the department chair.