Engineering, B.S. Civil Concentration (CVE) 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
___ CVGR 2023 Civil Engineering Materials (Fall only)
___ CVGR 2112 Intro. to Surveying
___ CVGR 3133 Principles of Hydraulic Engineering (Fall only)
___ CVGR 3313 Structural Analysis (Fall only)
___ CVGR 3414 Geotechnical Engineering (Spring only)
___ CVGR 3713 Construction Engineering (Fall only)
___ CVGR 4121 Professional Practice of Civil Engineering (Spring only)
___ CVGR Approved Civil Elective (3 hours) (2)
___ CVGR Approved Civil Elective (3 hours) (2)
___ CVGR Approved Civil Elective (3 hours) (2)
___ CVGR Approved Civil Elective (3 hours) (2)
___ CVGR Approved Civil Elective (3 hours) (2)
___ EEGR 2051 Circuits and Measurements Lab (3)
___ EEGR 2053 Electric Circuits (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 2400 Sophomore Design Seminar (Spring only)
___ ENGR 2704 Project Management, Design and Entrepreneurship
___ ENGR 4813 Senior Design I (Fall only)
___ ENGR 4823 Senior Design II (Spring only)
___ ENVT 1114 Intro. to Environmental Science (Spring only)
___ GEOL 1114 General Geology I
___ HIST History Elective (3 hours)
___ KINE 1001 Physical Activities
___ KINE 1512 Concepts Of Lifetime Fitness
___ LETU 1101 Cornerstones Of Life And Learning
___ MATH 1903 Calculus I (3)
___ MATH 2013 Calculus II (3)
___ MATH 2023 Calculus III
___ MATH 2203 Differential Equations
___ MATH 3301 Linear Algebra Lab
___ MATH 3303 Linear Algebra
___ MEGR 2013 Statics (3)
___ MEGR 2023 Dynamics (3)
___ MEGR 3323 Mechanics Of Materials (Spring only)
___ PHYS 2011 University Physics I Lab (Spring only)
___ PHYS 2013 University Physics I (Spring only)

Total hours: 130

Notes:
Approved Civil Electives
Structural Engineering Emphasis:
CVGR 3224 4 Design of Steel Structures
CVGR 4314 4 Concrete Construction and Design
CVGR 4414 4 Design of Wood Structures
CVGR 3 Approved Technical or Math Elective

Water Resources Engineering Emphasis
CVGR 4203 3 Hydraulic Engineering Design
CVGR 4613 3 Hydrology
CVGR 4403 3 Environmental Engineering
CVGR 4503 3 Water and Wastewater Engineering
CVGR 3 Approved Technical or Math Elective

1: Or ENGR 4653 (recommended for engineering graduate school)
2: See civil engineering elective emphasis groupings.
3: Minimum grade of 'C' required