Engineering, B.S. Materials Joining Concentration (MJE) 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)
___ 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 4413 Robotics And Manufacturing Applications (Spring only)
___ 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 3204 Fluid Mechanics and Heat Transfer (Spring only)
___ MEGR 3323 Mechanics Of Materials (Spring only)
___ MJEG 3114 Materials Science of Joining (Spring only)
___ MJEG 3203 Nondestructive Evaluation (Spring only)
___ MJEG 4304 Joining Processes and Power Systems (Fall only)
___ MJEG 4404 Joining of Advanced Materials (Spring only)
___ MJET 2021 Materials Joining Fundamentals Lab (Spring only)
___ MJET 2023 Materials Joining Fundamentals (Spring only)
___ MJET 3413 Design Topics in Materials Joining (Spring only)
___ MJET 3502 Materials Testing and Characterization Lab (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)

Total hours: 130

Notes:
1: Or ENGR 4653 (recommended for engineering graduate school)
2: Minimum grade of 'C' required