

**EXECUTIVE COMMITTEE
BOURNS COLLEGE OF ENGINEERING
REPORT TO THE RIVERSIDE DIVISION
MAY 29, 2018**

Proposed Changes to the Mechanical Engineering Major Requirements

To be adopted:

PRESENT:

Major Requirements

1. Lower-division requirements (~~73~~ units)
 - a) BIOL 005A, BIOL 05LA
 - b) CHEM 001A, CHEM 001B, CHEM 01LA, CHEM 01LB
 - c) EE 001A, EE 01LA
 - d) MATH 008B or MATH 009A, MATH 009B, MATH 009C, MATH 010A, MATH 010B, MATH 046
 - e) ME 002, ME 009, ME 010, ~~ME 018~~
 - f) PHYS 040A, PHYS 040B, PHYS 040C
2. Upper-division requirements (77 units)
 - a) ME 100A, ME 103, ME 110, ME 113, ME 114, ME 116A, ME 118, ME 120, ME 135, ME 170A, ME 170B, ME 174, ME 175A, ME 175B, ME 175C
 - b) STAT 100A

Choose one Focus Area:

(1) Materials and Structures

Sixteen (16) units of technical electives chosen from ME 100B, ME 116B, ME 121, ME 122, ME 153, ME 156, ME 180, ME 197

(2) Energy and Environment

Sixteen (16) units of technical electives chosen from ME 100B, ME 116B, ME 117, ME 136, ME 137, ME 138, ME 197

(3) Design and Manufacturing

Sixteen (16) units of technical electives chosen from ME 121, ME 122, ME 130, ME 131, ME 133, ME 140, ME 144/EE 144, ME 145, ME 153, ME 156, ME 175D, ME

PROPOSED:

Major Requirements

1. Lower-division requirements (75 units)
 - a) BIOL 005A, BIOL 05LA
 - b) CHEM 001A, CHEM 001B, CHEM 01LA, CHEM 01LB
 - c) EE 001A, EE 01LA
 - d) MATH 008B or MATH 009A, MATH 009B, MATH 009C, MATH 010A, MATH 010B, MATH 046
 - e) ME 002, ME 009, ME 010, ME 018A, ME 018B
 - f) PHYS 040A, PHYS 040B, PHYS 040C

No change.

176, ME 180, ME 197

(4) General Mechanical Engineering

Sixteen (16) units of technical electives chosen from the following list, in consultation with an advisor: ME 100B, ME 116B, ME 117, ME 121, ME 122, ME 130, ME 131, ME 133, ME 136, ME 137, ME 138, ME 140, ME144/EE 144, ME 145, ME 153, ME 156, ME 175D, ME 176, ME 180, ME 197

Visit the Student Affairs Office in the College of Engineering or student.engr.ucr.edu for a sample program.

Justification:

This change in the program requirements is necessary because ME018 has been replaced by a sequence of two courses, ME018A and ME018B

Approvals:

Approved by the faculty of the Department of Mechanical Engineering:

October 2, 2017 & November 6, 2017

Approved by the Executive Committee of the College of Engineering:

March 19, 2018

Approved by the Committee on Educational Policy:

April 11, 2018