To be adopted:

Proposed Change in B.S. Degree
Mechanical Engineering

Present

Upper Division Requirements: (81 units)

1. ENGR 118
2. ME100A, ME100B, ME 103, ME 110, ME 115A, ME 115B, ME 116A, ME 120, ME 121, ME 130, ME 170A, ME 170B, ME 175A, ME 175B
3. STAT 40 or 155
4. Technical electives (16 units); four courses, selected from the following list, in consultation with an advisor: ME 116B, ME 117, ME 122, ME 131, ME 133, ME 136, ME 137, ME 153

Proposed

Upper Division Requirements: (81 units)

1. ENGR 118
2. ME100A, ME100B, ME 103, ME 110, ME 115A, ME 115B, ME 116A, ME 120, ME 121, ME 130, ME 170A, ME 170B, ME 175A, ME 175B, ME 175C
3. STAT 40 or 155
4. Technical electives (16 units); four courses, selected from the following list, in consultation with an advisor: ME 116B, ME 117, ME 122, ME 131, ME 133, ME 136, ME 137, ME 153

Justification: The capstone senior design experience was evaluated by ME faculty and determined to be in need of change. The proposed degree requirements outline a consistent number of units, but a redistribution of those units across three quarters, instead of two. Previously, ME 175A and 175B were each 4 unit courses. The new distribution (175A=2 units; 175B=3 units; 175C=3 units) strengthens the project experience and thus the intellectual value of the degree. The course approvals have been processed and will be in effect for Fall 2003, however, the present degree requirements are not consistent with the expansion to a three-quarter experience, and technically short-change the degree of three units of design (the value of ME 175C).

Effective: Fall 2003

Approvals:
Mechanical Engineering faculty: 5/23/03
College of Engineering Executive Committee: 5/27/03
Committee on Educational Policy: 6/2/03
Riverside Division of the Academic Senate: 6/2/03