

UNIVERSITY FACULTY SENATE FORMS

Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. For more information, call the Faculty Senate Office at 831-2921.

Submitted by: Thomas S. Buchanan phone number 831-2423

Department: Mechanical Engineering email address buchanan@udel.edu

Action: Revision of MSME (Master of Science in Mechanical Engineering)
(Example: add major/minor/concentration, delete major/minor/concentration, revise major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)

Effective term 07F
(use format 04F, 05W)

Current degrees MSME
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed change leads to the degree of: MSME
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed name: N/A
Proposed new name for revised or new major / minor / concentration / academic unit (if applicable)

Revising or Deleting:

Undergraduate major / Concentration: _____
(Example: Applied Music – Instrumental degree BMAS)

Undergraduate minor: _____
(Example: African Studies, Business Administration, English, Leadership, etc.)

Graduate Program Policy statement change: See
Attached _____

Statement)

(Must attach your Graduate Program Policy

Graduate Program of Study: _____
(Example: Animal Science: MS Animal Science: PHD Economics: MA Economics: PHD)

Graduate minor / concentration: _____

Note: all graduate studies proposals must include an electronic copy of the Graduate Program Policy Document, highlighting the changes made to the original policy document.

Attached

List new courses required for the new or revised curriculum. How do they support the overall program objectives of the major/minor/concentrations)?

(Be aware that approval of the curriculum is dependent upon these courses successfully passing through the Course Challenge list. If there are no new courses enter "None")

N/A

Explain, when appropriate, how this new/revised curriculum supports the 10 goals of undergraduate education: <http://www.ugs.udel.edu/gened/>

N/A

Identify other units affected by the proposed changes:

(Attach permission from the affected units. If no other unit is affected, enter "None")

N/A

Describe the rationale for the proposed program change(s):

(Explain your reasons for creating, revising, or deleting the curriculum or program.)

Change from a fixed set of required Master's classes to a more flexible list - this change is to make the graduate program less narrow so we can better address new areas of study, especially in our Qualifying Exams.

Program Requirements:

(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the current curriculum and **include a side-by-side comparison** of the credit distribution before and after the proposed change.) See attached; in addition modified Program Policy Statement (indicating program changes and changes to the qualifying exam - to complement program changes) is also included.

OLD:

A. The following five courses are required (15 credits):

MEEG 690 Intermediate Engineering Mathematics

MEEG 610 Intermediate Solid Mechanics

MEEG 620 Intermediate Dynamics

MEEG 630 Intermediate Fluid Mechanics

MEEG 640 Intermediate Heat Transfer

NEW:

A. The following five courses are required (15 credits):

- MEEG 690 Intermediate Engineering Mathematics
- Two from the following list of '*traditional*' mechanical engineering courses:
 - MEEG 610 Intermediate Solid Mechanics
 - MEEG 620 Intermediate Dynamics
 - MEEG 630 Intermediate Fluid Mechanics
 - MEEG 640 Intermediate Heat Transfer
- Two additional courses either from the list immediately above or from a list (template) of approved ME '*non-traditional*' mechanical engineering courses.

OLD REQUIREMENTS:

ROUTING AND AUTHORIZATION: (Please do not remove supporting documentation.)

Department Chairperson Date

Dean of College Date

Chairperson, College Curriculum Committee _____ Date _____

Chairperson, Senate Com. on UG or GR Studies Date

Chairperson, Senate Coordinating Com. Date

Secretary, Faculty Senate Date

Date of Senate Resolution Date to be Effective

Registrar Program Code Date

Vice Provost for Academic Programs & Planning Date

Provost Date

Board of Trustee Notification Date

Revised 5/02/06 /khs

First Change, for both of the existing Master's degrees, MSME and MEM: