

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. Detailed instructions for the proposal should be followed. A [checklist](#) is available to assist in the preparation of a proposal. For more information, call the Faculty Senate Office at 831-2921.

Submitted by: ___Susan McGeary_____phone number____x2569__

Department: ___Geological Sciences_____email address__smcgeary@udel.edu

Date: ___6 April 2015_____

Action: Explicitly list courses that can be used to satisfy the requirement of 2 additional quantitative or analytical science, mathematics, or engineering courses.

Effective term___05F_____

Current degree _ BS _____
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

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

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

Revising or Deleting:

Undergraduate major / Concentration: Geological Sciences BS
(Example: Applied Music – Instrumental degree BMAS)

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

Graduate Program Policy statement change: _____
(**Must attach** your Graduate Program Policy Statement)

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, either describing the new program or highlighting the changes made to the original policy document.

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”)

None

Supply support letter from the Library, Dean, and/or Department Chair if needed

(all new majors/minors will need a support letter from the appropriate administrator.)

Supply a resolution for all new majors/programs; name changes of colleges, departments, degrees; transfer of departments from one college to another; creation of new departments; requests for permanent status. [See example of resolutions.](#)

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

Identify other units affected by the proposed changes:

(This would include other departments/units whose courses are a required part of the proposed curriculum. Attach permission from the affected units. If no other unit is affected, enter "None")

None

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

To provide clarity and transparency. The change explicitly lists in the handbook the courses that fulfill a requirement. Currently, students must consult their advisor.

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 example of side by side.](#)

CURRENT STATEMENT:

Two additional quantitative or analytical science, mathematics, or engineering courses.
Contact your academic advisor for the Department's list of approved courses. 6-8

REVISED STATEMENT:

Two of the following additional quantitative or analytical science, mathematics or engineering courses:

APEC 480	GIS in Natural Resource Management	4
Any CIEG course at the 200 level or above except CIEG222 and CIEG233		3
CISC 106	General Computer Science for Engineers	3
CISC 108	Introduction to Computer Science I	3
CISC 181	Introduction to Computer Science II	3
GEOG 271	Introduction to Geographic Data Analysis	3
GEOG 372	Introduction to GIS	3
GEOG 471	Advanced GIS	3
MAST 455	Geophysical Fluid Dynamics	3
MAST 497	Bioinformatics Programming for Biologists	3
MAST 669	Statistics for Marine Sciences	3
MATH 201	Introduction to Statistical Methods	3
MATH243	Analytic Geometry and Calculus C	4
MATH302	Ordinary Differential Equations	3
MATH341	Differential Equations with Linear Algebra I	3
STAT 200	Basic Statistical Practice	3
STAT 475/ENSC 475	Environmental Statistics	3
STAT 657/GEOL 657	Statistics for Earth Sciences	3

A full side-by-side is attached. There is no change to the credit distribution

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

Department Chairperson _____ Date _____

Dean of College _____ Date _____

(By signing above, the Dean confirms that their college policies and bylaws have been followed correctly during consideration of the request described in this form.

The approval actions that were taken at the college level were (check all that apply) :

_____ college faculty vote; _____ college curriculum approval _____ college senate approval

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 Affairs & International Programs _____ Date _____

Board of Trustee Notification _____ Date _____

Revised 10/27/2014/khs