

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: Melinda K. Duncan phone number 0533

Action: Request for New Concentration in Ecology and Evolution for the M.S. and Ph.D. in Biology

(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 08J
(use format 04F, 05W)

Current degree MS and Ph.D.
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed change leads to the degrees of: MS and Ph.D.
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed names: MS in Biological Sciences with a concentration in Biotechnology; MS in Biological Sciences with a concentration in Cell and Organ Systems; MS in Biological Sciences with a concentration in Molecular Biology and Genetics; MS in Biological Sciences with a concentration in Ecology and Evolution; Ph.D. in Biological Sciences with a concentration in Chemistry-Biology Interface; Ph.D. in Biological Sciences with a concentration in Cell and Organ Systems; Ph.D. in Biological Sciences with a concentration in Molecular Biology and Genetics; Ph.D. in Biological Sciences with a concentration in Ecology and Evolution

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
(Attach your Graduate Program Policy Statement)

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

Graduate minor / concentration: _____

List program changes for curriculum revisions:

None, this proposal seeks to codify our ongoing departmental policies at the level of the University.

List new courses required for the new or revised curriculum:

(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

Other affected units:

(List other departments affected by this new or revised curriculum. Attach permission from the affected units. If no other unit is affected, enter "None")

None

Rationale:

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

Our department has required all of our graduate students to complete the curricular requirements of a "track" for many years although the track curricular requirements were never approved at the university level. At the request of the Office of Graduate Studies, we submitted our graduate program policy to through the appropriate channels for approval. In February of 2008, it was suggested by the University Graduate Studies Committee that we further revise our curriculum to change the term "Track" to "Concentration" so that the student's curriculum is noted on their transcript and diploma. This new proposal is in response to this request by the University graduate studies committee. At the same time, the University Graduate Studies Committee denied our request to initiate a MS in Biotechnology as an articulated program with our MS in Biological Sciences concentration in Biotechnology degree and suggested that this should be added as a new concentration leading to the MS in Biological Sciences.

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 present curriculum.)

See Attached.

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 11/03/04 /khs

Concentration in Ecology and Evolution

Policy and Curriculum

The prospective student must meet all of the requirements for the M.S. or Ph.D. degree in the Department of Biological Sciences, as shown in the departmental Graduate Program Policy. In addition to the departmental requirements, the specific curriculum required for the Ecology and Evolution concentration, for both M.S. and Ph.D. students is:

1. One year of graduate level statistics, specific courses to be decided in consultation with the major advisor.
2. BISC 637 - Population Ecology
3. One graduate level evolution course. Courses at University of Delaware that currently meet this requirement are BISC 656 - Evolutionary Genetics, and CHEM 647 - Biochemical Evolution.
4. BISC 801 - Seminar in Ecology and Evolution whenever it is taught.
5. In consultation with the Advisement Committee, students may elect to take other graduate level courses appropriate to their degree program. These may include but are not limited to: BISC 641 - Microbial Ecology, BISC 660 - Environmental Physiology, ENTO 614 - Insect Ecology, ENTO 620 - Behavioral Ecology of Insects, and a graduate level course in molecular methods.

If any graduate courses equivalent to those listed above have been taken in previous graduate degree programs and have been accepted as graduate level transfer credit by the University, the transferred courses may be used to satisfy the concentration requirements with the approval of the concentration coordinator.
