

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: _____ Delphis Levia _____ phone number __X3218_____

Department: _____ Geography _____ email address __dlevia@udel.edu__

Action: _____ **Add Honors Major in Environmental Studies** _____
(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 _____ **14F** _____
(use format 04F, 05W)

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

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

Proposed name: _____ **Honors BA in Environmental Studies** _____
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: _____
(**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, 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")

ENVR 468: Honors: Directed Research - This course constitutes a directed research experience for honors students. Topics of research will be in the realm of environmental studies, depending on the interests and expertise of the student and supervising faculty member. Course credit may vary from 3 to 6 credits commensurate with the scope of the research performed.

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

The Environmental Studies Curriculum supports the 10 goals of undergraduate education in the following ways:

1. Courses in the major require that students communicate effectively in verbal and written ways.
2. Students will need to use information technologies, use quantitative reasoning and critical thinking skills.
3. Students will be asked to integrate in-class learning in solving real life problems.
4. Students will understand the impact of humans on the environment and *vice versa* locally and globally.
5. Students will work and learn independently and collaboratively, integrating various concentrations, perspectives and diverse ways of thinking that underlie the search for knowledge in the arts, humanities, sciences and social sciences.
6. Students will explore environmentally related ethical questions and implications of individual and societal choices on individuals, communities, and the planet.
7. Students will develop intellectual curiosity, confidence, and understand the need for lifelong engagement in learning.
8. Students will develop an integrated, international perspective regarding countries, populations and the environment.
9. Students will integrate and demonstrate classroom skills and knowledge in at least one field related experience.

Identify other units affected by the proposed changes:

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

University Honors Program

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

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

Programmatic revisions to the BA in Environmental Studies are being proposed to be implemented in Fall 2014.

An Honor's degree option would enhance the degree program and provide the option for Honors program students.

As a part of its Path to Prominence™, the University of Delaware is focused on becoming a greener, more environmentally aware campus and on highlighting and enhancing opportunities for undergraduates to engage in environmental degree programs. Specifically, the goals outlined in the P2P state that UD will:

- Strive to make environmental awareness and stewardship an integral part of every student's educational experience.
- Develop environmental degree programs that promote cross-fertilization of science and policy.

- Define additional degree tracks and concentrations as well as opportunities for self-designed programs.
- Develop environmentally focused study abroad programs.
- Enhance UD's emphasis on interdisciplinary graduate programs
- Cultivate opportunities for science and engineering to interact with emerging business, social, and cultural issues of an environmentally aware world.

The above text provides the framework and context under which the environmental science and environmental studies programs at UD were revised and created, respectively, in 2009. Building upon the success of the major programmatic revisions of 2009, and seeking to improve the programs based on the past four years of experience, the Environmental Council (formed by Provost Rich in 2008 to reflect the multiple units engaged in delivering degree content) sought to revise the Environmental Studies Program. The Council met regularly over the 2012-2013 academic year to discuss programmatic revisions that would be best for UD students. It is a faculty based Council with the following members:

Council members include:

- Tracy Deliberty (Geography)
- Paul Imhoff (Civil and Environmental Engineering)
- Jan Johnson (Political Science and International Relations)
- Murray Johnston (Chemistry and Biochemistry)
- Gerald Kaufmann (Urban Affairs and Public Policy)
- John Madsen (Geological Sciences)
- Tom Sims (Plant and Soil Science)
- Steven Hastings (Applied Economics and Statistics)
- Franklin Newton (CEOE)
- Del Levia (Director, Environmental Science and Environmental Studies Programs)
- Nancy Targett (*Ex-officio*, CEOE)

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.)

HONOR'S BACHELOR OF ARTS in Environmental Studies

The recipient must complete:

1. All requirements for the Bachelor of Arts degree in Environmental Studies and theme [see proposed changes to environmental studies degree also under consideration].
2. All of the University Honors Program's standard requirements for Honor's Baccalaureate degree.
3. 9 of the 12 Honors credits required in the major must be in ENVR/ENSC courses. The remaining Honors credits in the major may come from related courses required for the major.

Note: When courses are offered at the 4xx/6xx level, courses taken at the 6xx-level or higher may be considered as Honors courses. This does not include those *major* courses offered only at the 6xx level required for the degree.

The 12 honors credits for the major will be satisfied as follows:

ENSC 101 (3 cr), ENSC450 (3 cr.), ENSC468 (3-6cr.), and one major related course (3 cr.) ENVR468 constitutes the field experience for the major. A possible sample schedule follows:

First Year Fall	
HNRS ENGL 110: Critical Reading and Writing or HNRS Colloquium	3
ENSC 101: Introduction to the Environment (also FYE) HNRS	3
Language 105 level	4
APEC 100: Sustainable Development	3
Breadth requirement [Group A, B, or C]	3
Total credits:	16

First Year Spring	
MATH requirement [see degree requirements for options]	4
GEOG 372: Introduction to GIS	3
Language 106 level	4
HNRS ENGL 110: Critical Reading and Writing or HNRS Colloquium	3
Breadth requirement HNRS	3
Total credits:	17 [33]

12 credits Honors in the First Year required for General Honors Award.

Second Year Fall	
BISC 104: Principles of Biology with Laboratory	4
GEOG 235: Conservation of Natural Resources	3
Language 107 level	4
MAST 200: The Oceans HNRS	3
ECON 151 HNRS or APEC 150: Introduction to Microeconomics or Economics of Agriculture and Natural Resources OR Elective	3
Total credits:	17 [50]

Second Year Spring	
CHEM 100: Chemistry and the Human Environment	3
STAT 200: Basic Statistical Practice	3
POSC 240: Introduction to Global Politics	3
Breadth requirement HNRS	3
Multicultural course requirement	3
Total credits:	15 [65]

An additional 6 credits Honors required in 2nd year for total of 18 credits Honors in the first 2 years required for General Honors Award.

Third Year Fall	
ECON 151 HNRS or FREC 150: Introduction to Microeconomics or Economics of Agriculture and Natural Resources OR Elective	3
GEOL 105/115: Geological Hazards and Laboratory	4
POSC 350: Politics and the Environment	3
ENVR 300: Earth Systems: Science and Policy	3
Breadth at 300-level Honors	3
Total credits:	16 [81]

Third Year Spring	
Breadth requirement	3
Breadth requirement	3
Concentration course	4
ECON 343: Environmental Economics	3
ENVR468: Directed Research HNRS	3-6
Total credits:	16 [97]

Fourth Year Fall	
Concentration course at 300-level or above (possibly Honors) or UNIV401 Honors Thesis	3
Concentration course	4
Breadth requirement	3
Concentration course	3
Elective/Directed Research	3
Total credits:	16 [113]

Fourth Year Spring	
ENSC 450: Proseminar: The Environment [second writing requirement] HNRS Capstone	3
PHIL 448: Environmental Ethics	3
Concentration course	3
Breadth requirement	3
Elective/Directed Research or UNIV402 Honors Thesis	3
Total credits:	15 [128]

For the Honors Degree, students must complete 12 Honors credits at the 300-level or higher including an HD capstone course. A total of 30 credits Honors and 3.400 GPA is required for the Honors Degree. For the Honors Degree with Distinction, students must complete an Honors SR thesis.

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

Department Chairperson Tracy DePietro Date 20 Feb 2014
Dean of College Nancy M. Caruso Date 20 Feb 2014
Chairperson, College Curriculum Committee [Signature] Date 17 Feb 14
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 _____
Provost _____ Date _____
Board of Trustee Notification _____ Date _____
Revised 10/23/2007 /khs



Honors Program

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Email: honorsprogram@udel.edu

February 6, 2014

Del Levia, Director
Environmental Science and Environmental Studies
University of Delaware

Dear Del:

I am submitting this letter in support of the two Honors Degrees being proposed for ENSC and ENVR majors – the Honors Bachelor of Science Degree in Environmental Science and the Honors Bachelor of Arts Degree in Environmental Studies. These degree options offer an interesting and challenging course of study for students in the Honors Program. I am particularly excited about the inclusion of directed research and the senior year Honors capstone seminar in both of these degrees.

Each proposal specifies a clear academic plan for achieving the Honors Degree within a four-year timeline. The degree plans suggest an interesting selection of Honors courses in Environmental Science and in related disciplines in which there are ample Honors offerings to accommodate students pursuing these degrees. Because neither degree changes the total number of Honors students admitted to the University, they will not require additional resources from the Honors Program. In short, these degrees will be outstanding additions to the Honors Program, and I strongly support approval.

I thank you and your colleagues for moving forward with proposals that will enhance the Honors Program offerings at the University. Please feel free to contact me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Michael Arnold".

Michael Arnold
Director