

University of Idaho

Idaho Falls Center
for Higher Education
1776 Science Center Drive
P.O. Box 778
Idaho Falls, Idaho 83402
(208) 526-1388

October 10, 1988

Dr. John Hendee, Director
College of Forestry, Wildlife & Range Sciences
University of Idaho
Moscow, ID 83843

PROPOSED ES GRAD PROGRAM - Ti-226-88

Dear Dr. Hendee:

I received your draft of the proposed Graduate Program in Environmental Science for Moscow and Idaho Falls. I note that the prospectus fails to recognize the very vigorous Environmental Science program currently in place in Idaho Falls and through which several INEL students have obtained a master's degree. This program has many years of history and currently has a number of degree candidates enrolled. I have enclosed for your information a flyer we prepared when this degree was first announced.

You will note that our program is under the sponsorship of Interdisciplinary Studies. Originally, I would have preferred a degree labeled Environmental Science. However, experience has shown, at least with regard to our students, that the Environmental Science curriculum must span many disciplines in order to be relevant and programs must be customized to each student's background and objectives. Thus, I am now convinced a Master's in Interdisciplinary Studies with emphasis in Environmental Science is appropriate.

Another concern I have is that customized degrees or programs encouraged for sponsorship by the UofI for INEL cannot be viewed in isolation of other sponsored programs if funding is expected from INEL for their implementation. I am constantly being reminded by the EG&G INEL Education Contract Administrator that there are only so many dollars available from EG&G/DOE for INEL Education. Thus, unless the money anticipated from EG&G/DOE for the proposed specialized Environmental Science degree comes from a different pocket it will be competing for the same dollars as the existing program.

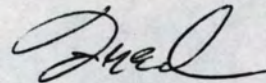
My final comment is that you should be extremely cautious in anticipating that DOE will provide scholarship money or release time for students to attend classes or release time for instructors during normal working hours

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for such selected programs here at INEL. Such an action would be precedent setting and could result in a demand by other students in the INEL Education Program for similar treatment. The cost would appear to prohibit such an action when you consider the some 1500 students involved.

Thus, I would suggest that if a new degreed program in Environmental Science is to be justified, it must be done on the basis of Moscow Campus demand and that the UofI be prepared to provide the necessary funding. This does not preclude joint faculty appointments, or even INEL sponsorship of students, but to anticipate or orient such a program to INEL with dependence on INEL for funding and students just doesn't seem feasible to me, at least over the next several years, and taking existing programs into consideration.

Yours very truly,



Fred H. Tingey
Director

FHT:lp

Enc: As stated

CC: T O Bell

UNIVERSITY OF IDAHO/IDAHO FALLS CENTER

M.S. Interdisciplinary Studies
Environmental Science Emphasis

General Information

The master's program in Interdisciplinary Studies with emphasis in Environmental Science requires a 3.0 grade point average for admission. A minimum of 30 credit hours are required; 18 of those credits must be at the graduate (500's) level, the remaining 12 credits taken in 300 or 400 level courses. No more than a combined total of 12 credits earned in another graduate school, through correspondence study, or while in non-matriculated status at the UofI may be transferred to the master's program.

The degree can be thesis or non-thesis. A maximum of 10 credits in Inter 500 Master's Research and Thesis can be used to fulfill the thesis degree requirements and will count toward the 18 credit minimum of 500's level courses. For both the thesis and non-thesis option, there must be a comprehensive examination that evaluates the student's ability to integrate all disciplines included in the program. In addition, the thesis option requires a thesis defense which is usually oral, but part may be written.

All credits submitted to meet the requirements for the master's degree must have been earned within the six consecutive years immediately preceding the academic session in which the degree is completed.

The objective of the program is to provide students with the opportunity to design specific programs of study of an interdisciplinary nature when the students' needs or desires do not fall within a currently prescribed program. The courses are available through the Idaho Falls Center evening program and recommended courses are on the following sheets. Other courses can be used to fulfill the requirements if identified in the student's study plan and are approved by the student's program committee.

The student and the major professor nominate a program committee subject to the following constraints: (1) the committee must have four members, (2) it must have at least one member from each of the principal departments or disciplines involved in the student's study plan, and (3) at least two of the committee members must be of UofI Graduate Faculty status.

Those students interested in participating in the program should apply through the University of Idaho/Idaho Falls Center, 1776 Science Center Dr., Idaho Falls, ID 83402, (208) 526-1388.

Environmental Science

The purposes of the Environmental Sciences program are: (1) to produce qualified environmental scientists which fulfill the needs of industry and/or government, and (2) to fill the academic gap between engineering and more traditional aspects of Environmental Sciences couched in forestry, wildlife, ecological and range sciences.

The following are courses intermittently given at the Idaho Falls Center which are appropriate for the Environmental Science emphasis master's program. Those starred (*) are particularly recommended for the degree.

<u>Course Number</u>	<u>Course Title</u>
* Bio 504	ST: Environmental Toxicology
* Chem 318	Environmental Chemistry
Chem 557	Analytical Methods for Environmental Monitoring
CE 431	Sanitary Engr
CE 432/533	Water Quality Mgt Tech
CE 460	Soil Mechanics
CE 539	Air Pollution Measurement Tech
* ES 490	Systems Analysis of Environmental Problems I
ES 590	Systems Analysis of Environmental Problems II
Engr 396	Society and Engr Decisions
Geog 427	Decision Making in Resource Management
* Geol 595	Geol Oriented Environmental Prob
IEd 362	Environmental Health I
IEd 364	Hazardous Materials
IEd 504	ST: Environmental Health III
Inter 394	Technology & Societal Decisions
* Inter 404	ST: Environmental Law
* Inter 404	ST: Principles of Environmental Science I
Inter 404/504	ST: Permitting Philosophy and Application
* Inter 404/504	ST: Environmental Modeling
Inter 490	Technology and Human Values
* Inter 504	ST: Environmental Economics
* Inter 504	ST: Principles of Environmental Science II
* Inter 504	ST: Sampling and Analysis of Environ Contaminants
* Inter 504	ST: Bioecology
Min 433	Environmental Health I
Min 434	Environmental Health II
Min 504	ST: Environmental Health III
Phys 311	Health Physics in Industrial Safety
Phys 518	Radiation Biol

Prerequisites or Preparation for the Graduate Program

Those entering the Master's Program in Interdisciplinary Studies with emphasis in Environmental Science should have as a minimum preparation the following:

- (1) College level course in Analytic Geometry and Calculus
- (2) An introductory course in Chemistry
- (3) An introductory course in Economics
- (4) An introductory course in Physics
- (5) An introductory course in Computers
- (6) An introductory course in Applied Statistics

Procedures for the Student

1. If you are interested in pursuing an advanced degree in environmental sciences in the interdisciplinary program, first consult with counselors at University Place, 1776 Science Center Dr.
2. Gain admission to the Graduate School. Secure the necessary forms from the registrar at University Place.
3. Select a major professor from one of the disciplines of your program (from the discipline most closely related to the anticipated topic of your thesis if you have selected the thesis option). Remember, your major professor must be a member of the graduate faculty.
4. Select at least two other members for your committee from among the disciplines represented in your proposed program; a counselor at University Place can assist you in the selection. You will need to get in touch with these affiliate faculty members and secure their assent to serve.
5. After preliminary discussion and planning with your major professor, arrange a meeting of your committee and decide on a program of study. This program (formal courses) must receive unanimous approval of the committee. Also, the kind and general nature of any examinations the committee will administer to you must be agreed to and outlined at that time (including the comprehensives and, where appropriate, the final or defense-of-thesis examination). Also secure the committee's tentative approval of the general topic of research if you are going to write a thesis.

6. It is important that you and your major professor have the entire program in writing and clearly agreed to by all members of the committee. This is done to protect the student, because there are no clear departmental lines or departmental requirements for an interdisciplinary program.
7. Submit your study plan through the UI/IFCHE Director, to the dean of the Graduate School. It must be accompanied by a narrative outlining your reasons for undertaking an interdisciplinary program and how you intend to use it professionally.
8. The graduate dean will, if appropriate, then provide written approval of the plan and appoint an additional member of the faculty to your committee, who will serve as the representative of the Graduate School.
9. Any changes in your study plan after it is submitted to the Graduate School must have the unanimous approval of your committee and the graduate dean.

Special Notes

Remember that a degree in interdisciplinary studies is not meant to be a watered down master's degree; it is to be a rigorous program that integrates two or more disciplines.

Your degree will read "Master's of Science", in Interdisciplinary Studies. Remember, however, that your transcript will show the courses taken in the program.

A student in the Environmental Science program must be willing to take the initiative in forming and bringing together his or her committee and be responsible for making sure that all requirements and procedures are followed.

Read the Graduate Bulletin carefully and be sure you are complying with all the requirements for graduation.

Consult frequently with your major professor, and do not hesitate to call or visit the Idaho Falls Center for Higher Education if you have questions or problems.

Remember that you will need to obtain and complete the following forms from the UI/IFCHE registrar: "Appointment of Major Professor", "Proposed Program and Study Plan", and "Changes in Study Plan or Committee".