THE UNIVERSITY OF MICHIGAN
SCHOOL OF NATURAL RESOURCES
& ENVIRONMENT

UNDERGRADUATE INDIVIDUALIZED CONCENTRATION PROGRAM (ICP) GUIDELINES

PROCEDURES

Undergraduate students interested in pursuing an individualized concentration program should make an appointment with an academic advisor to discuss their academic goals and interests and complete required paperwork. Students are required to meet with faculty in their area of interest and obtain support from the faculty advisors for their proposed program. Following this discussion, interested students will have to complete a formal application and provide documentation. These materials are then submitted to the Office of Academic Programs for review and approval. Any changes need to be approved by the two faculty advisors and reported to the Office of Academic Programs.

APPLICATION MATERIALS

Application materials must include:

- title, program description, and supporting statement describing the proposal and academic rationale (see page 3)
- the proposed course of study (see page 4)
- signatures of two faculty members (one SNRE faculty member and one non-SNRE faculty member) who have reviewed and support the proposed ICP and are willing to advise the student

APPROVAL DEADLINE

On February 15, 1994, the Academic Affairs Committee set the policy that the Individualized Concentration Programs need to be approved by the end of the second week of the Junior year, or by the end of the first semester in SNRE if a student transfers into SNRE at the Junior level. Students transferring into SNRE in the Senior year will not be permitted to declare an ICP.

CONTENT OF AN INDIVIDUALIZED CONCENTRATION PROGRAM

The ICP within the SNRE leads to a Bachelor of Science in Natural Resources and Environment. Therefore it is critical that students take a sufficient number of prerequisite science courses to earn a B.S. All students pursuing an ICP are required to take specific prerequisite courses and core courses, a minimum of 50 Natural Resource and Environment credit hours (or a minimum of 36 NRE hours for students admitted to SNRE prior to Fall 1995), and a minimum of 120 total credit hours. Specific requirements are outlined on the back of this page.

INDIVIDUALIZED CONCENTRATION PROGRAM REQUIREMENTS

I. Prerequisite Courses	(29-37 Credits)
English 124, 125, or equivalent (Introductory Composition)	4
Introductory Social Science Course	3-4
Microeconomics (Economics 101)	4
Upper Level Writing Course	3-4
Math 115 (Calculus I)	4
Second analytics course for students who entered SNRE in F'98 or later	3-4
NRE 438 or Statistics 402	4
Chemistry 130 or 210/211	3 or 5
Biology 162 or (Bio 152 and 154) for students entering F'98 or later	5
General Ecology- Bio 281 and 282	6
II. Natural Resources and Environment Core Courses	(21-25 Credits)
NRE 100- Introduction to Natural Resource Problems*	3
Interdisciplinary course for students who entered SNRE in F'98 or later	3-4
NRE 210 - Introduction to Environmental Policy Making	3
NRE 239 – Map, Photo and Computer Applications	3
Applied Social & Behavioral Science (NRE 443 or approved substitute)	3
NRE 375 -Natural Resource Economics	3
Two applied ecology courses (one must have a lab and one must be a field course)	8
One resource management course	3-5
III. Natural Resources and Environment Concentration Courses	15 credits at **300 level or higher**
IV. Concentration Courses outside SNRE	15 credits at **300 level or higher**
V. Elective Courses	
IV. Total of 120 Credits	

CRITERIA FOR PROPOSAL REVIEW

1. Is the proposed program an appropriate SNRE program or is it really more appropriate in another school or college?

2. Is the proposed program a coherent, focused program of study?

3. Is the supporting statement written in a literate, clearly stated fashion?

4. Does the course of study indicate that the student will receive a strong foundation in natural resources and environment?

* NRE 100 may be waived for transfer students

5. Does the course of study include sufficient coursework in one or two other disciplines to form a strong foundation?

School of Natural Resources & Environment
Application for Individualized Concentration Program

Please type or print legibly
Fill out both pages completely

Name _____ Date _____

Local Address _____

Telephone _____ E-mail _____

Student Number (on M-card) _____

Social Security Number (optional) _____

Proposed Program Title _____

Supporting Statement (attach a separate sheet if necessary)

Note to Faculty Advisors: Before approving the proposed ICP, please review it carefully with the student to help him or her consider the alternatives and construct a coherent plan. Your signature implies that you have reviewed the proposed program with sufficient care to feel that it is the educational equivalent of regular concentration programs.

Approval of Faculty Advisors

SNRE Faculty Advisor
Name (printed)
Signature
Date

Non-SNRE Faculty Advisor
Name (printed)
Signature
Date

Department _____

Individualized Concentration Course of Study

Prerequisite Courses

Introductory Composition Course _____ Term _____
Introductory Social Science Course _____ Term _____
Microeconomics (Economics 101) Term _____
Upper Level Writing Course Term _____
Calculus (Math 115) Term _____
Second analytics course for students entering SNRE in Fall '98 or later Term _____
NRE 438 or Statistics 402 Term _____
Chemistry 130 or 210/211 Term _____
Biology 162 (Bio152/154) Term _____
General Ecology- Bio 281 and 282 Terms _____

Natural Resources and Environment Core Courses

NRE 100 Term _____
Interdisciplinary course for students who entered SNRE in F'98 or later Term _____
NRE 210 Term _____
NRE 239 Term _____
Applied Social & Behavioral Science Course _____ Term _____
NRE 375 Term _____
Applied Ecology Courses _____ Term _____
(must be lab/field courses) _____ Term _____
Resource Management Course _____ Term _____

Natural Resources and Environment Concentration Courses *(min. 15 hours at 300 level or above)*

NRE _____ Title _____ Credit _____ Term _____
NRE _____ Title _____ Credit _____ Term _____
NRE _____ Title _____ Credit _____ Term _____
NRE _____ Title _____ Credit _____ Term _____
NRE _____ Title _____ Credit _____ Term _____

Non-SNRE Concentration Courses *(min. 15 credit hours at 300 level or above)*

_____ Title _____ Credit _____ Term _____
_____ Title _____ Credit _____ Term _____
_____ Title _____ Credit _____ Term _____
_____ Title _____ Credit _____ Term _____
_____ Title _____ Credit _____ Term _____

Electives (additional courses bringing total credit in program to minimum 120 credit hours)

Total NRE credit hours : _____ (Minimum 50 NRE hours required if admitted to SNRE Fall '95 or later)
(Minimum 36 NRE hours required if admitted to SNRE prior to Fall '95)