

# ENVS Single Major with a Concentration in Geographic Information Systems

## Required Courses Checklist

Name: \_\_\_\_\_

SID: \_\_\_\_\_

**To Declare the Major**, a student must have successfully completed the following lower-division courses:

- **ENVS 23** The Physical & Chemical Environment or **CHEM 1A** General Chemistry
  - **ENVS 24** General Ecology or **BIOE 20C** Ecology & Evolution
  - **ENVS 25** Environmental Policy & Economics
  - **STAT 7/L** Statistical Methods for the Biological, Environmental, and Health Sciences
- **Four-year students** must declare a major by the end of their Sophomore year (or 6th quarter).
  - **Transfer students** must declare a major by the end of their second quarter.

**All courses listed below are required for graduation in the major.**

The major is comprised of 15 courses: 6 lower divisions, and 9 upper divisions.

**LOWER DIVISION REQUIREMENTS** (6 courses) \*Asterisked courses are pre-requisites to ENVS 100/L

- \*  **ENVS 23** The Physical & Chemical Environment (Spring and Summer only) or **CHEM 1A** General Chemistry
- \*  **ENVS 24** General Ecology (Fall and Summer only) or **BIOE 20C** Ecology & Evolution
- \*  **ENVS 25** Environmental Policy & Economics (Winter and Summer only)
- Math 3** Precalculus or **AMS 3** Precalculus for the Social Sciences
- \*  **STAT 7/L** Statistical Methods for the Biological, Environmental, and Health Sciences
- \*  **One of the following:** **SOCY 1, 10, 15 ANTH 2 PHIL 22, 24, 28, 80G**

**UPPER DIVISION REQUIREMENTS** (9 courses)

In order to enroll in ENVS upper divisions, students **must be enrolled in or have completed ENVS 100/L.**

- ENVS 100/L** Ecology and Society (Winter and Spring only)  
*Prerequisites: Students must have completed (no exceptions) the asterisked lower division courses listed above, in addition to Writing 2, before enrolling in ENVS 100/L.*
- ENVS 115A/L** Geographic Information Systems & Environmental Applications (Fall)
- ENVS 115B** Intermediate Geographic Information Systems (Winter)
- ENVS 115C** Advanced Geographic Information Systems (Spring)
- 1 ENVS** upper division based in the **Social Sciences** (see list on front side)  
*Social Science ENVS upper divisions: ENVS 110, 130B, 140, 141, 143, 144, 145, 146, 147, 149, 150, 151, 152, 153, 154, 158, 165, 172, 173, 176*
- 1 ENVS** upper division based in the **Natural Sciences** (see list on front side)  
*Natural Science ENVS upper divisions: ENVS 104A/L, 106A, 107, 108, 109, 120, 121, 122, 123, 125, 129, 130A, 130C, 131, 133, 135, 138, 160, 161, 162, 163, 164, 166, 167, 168, 169, 170*
- 1 ENVS** upper division **of your choice**
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- 1 Senior Exit\*\*\***

\*\*\* Your **senior exit** is satisfied by completing one of the following:

- **ENVS 196:** Advanced Topics in Geographic Information Systems - Spring
- **ENVS 195A + ENVS 195B:** Senior Thesis
- **ENVS 183A + ENVS 183B:** Senior Internship

All senior exits **must be focused** on the topic of Geographic Information Systems.

DC Requirement is satisfied upon completion of ENVS 100/L and a senior exit.

Pre-requisites for senior exit:

- 135 units (Senior Standing)
- 3 upper divisions completed
- ENVS 100/L completed
- Must be taken for a letter grade.

## ENVS Major Declaration Advising with Faculty:

After attending a major declaration workshop, meet with an ENVS faculty member to discuss the following:

Advising checklist:

- Discuss student's interests and career goals
- Opportunities for internships and independent research
- Senior Exit options
- Review paperwork
  - Pre-requisites taken or planned BEFORE ENVS 100/L
  - Electives reflect a focus and student's intellectual and career goals

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Faculty Signature: \_\_\_\_\_ Date: \_\_\_\_\_