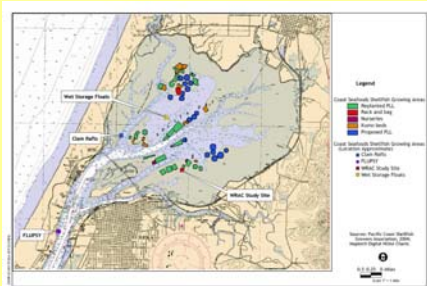


Enhance your skills with geospatial technology

The Certificate of Study is a post-baccalaureate program in Geographic Information Systems (GIS) and Remote Sensing (RS).

The goal of the program is to prepare students to apply the technologies of GIS and multispectral remote sensing, including digital image processing, to various disciplines.

The program provides students an opportunity to focus and document training in GIS, remote sensing, computer science, computer cartography and related spatial analysis technologies.



A student project to locate and map oyster beds in northern Humboldt Bay using GPS and GIS.

The certificate program had a huge impact on my life; I really don't think that I could have been better prepared for my current career.

— Matthew Savage (2005)
GIS Developer/Analyst
CH2M HILL
Colorado Springs, CO



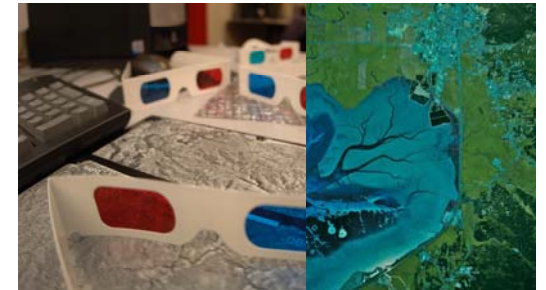
Humboldt State University
ENRS Department
1 Harpst Street
Arcata, CA 95521

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HSU

HUMBOLDT STATE
UNIVERSITY

CERTIFICATE OF STUDY IN
GEOGRAPHIC
INFORMATION SYSTEMS
AND REMOTE SENSING



go humboldt
go further

What Makes us Different

Welcome to Humboldt State University on California's magnificent Redwood Coast! As a prospective student you may be wondering what sets HSU apart from other universities. In a word, **innovation**.

You are the Focus Here

Innovation begins with the way we approach the teacher-student relationship. Many colleges boast prestigious, but distant, faculty members. Our students actually know their world-renowned professors. In addition to being leaders in the sciences and humanities, HSU professors are committed to mentoring their students by including them in all kinds of experiments, lab research, and field work.

Our Approach Equals Your Success

At Humboldt State, **learning isn't limited** to sitting in a classroom and taking notes. Our students take that knowledge and apply it in the real world. Why is this important? Because success in the job market requires strong entrepreneurial and critical thinking skills.

Our emphasis on combining classroom learning with hands-on experience, will help you gain those critical skills. It's an innovative approach to education that yields results.

Core Courses (17-20 units)

- NRPI 270 Global Positioning Systems Lab
OR
- GEOG 216 Intro to Mapping Sciences
- NRPI 277 Introduction to Remote Sensing
OR
- FOR 216 Forest Remote Sensing and GIS
- CIS 310 Databases for Non-Majors
OR
- CIS 315 Database Design and Implementation
- NRPI 376 GIS for the Social Sciences
OR
- NRPI 377 Introduction to GIS
- GEOG 316 Computer Cartography
- NRPI 470 Intermediate GIS



Our faculty are highly respected scholars in their disciplines, and their research makes them better teachers. At HSU you'll develop close working relationships with faculty.

Emphasis Courses (9-10 units)

Two additional emphasis courses in GIS, Remote Sensing and/or Computer Cartography:

- GEOG 416 Advanced Cartography Design Seminar
- FOR 506 Advanced Principles of Remote Sensing and GIS
- NRPI 540 Raster Analysis Techniques in GIS Seminar
- NRPI 570 Vector Analysis Techniques in GIS Seminar

Plus 3 additional units of programming in one or more of the following languages:

C++, Visual Basic, Java/Javascript, Python, and/or PHP

All certificate courses must be completed with a grade of C- or better.

Internships and Research

In addition to your formal classroom studies, you will also have opportunities to participate in applied research projects and community internships while attending Humboldt State.



A 3-dimensional visualization of proposed subdivisions in McKinleyville, California conducted as part of a student Internship.

Humboldt State University

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