

## THREE COURSE SEQUENCES

Below are some *examples* of three-course sequences. You may develop your own. Minors or double-majors also may serve as three-course sequences. All three-course sequences, including majors, minors, and those below, **require your advisor's approval.**

### **Meet with your advisor *before* registering.**

Check prerequisites for all the courses in the sequence. Find out when the courses are generally taught (e.g. spring semester, rarely). If you start your three-course sequence in your junior year, you can take all the courses without major problems.

### **Why does EPIB require a three-course sequence?**

The intention of this “progressive sequence of courses” is to give you a specialized area of “science/technology.” The sequence may help you find a job. For example, if you are applying for a job in a department of agriculture, a sequence in sustainable agriculture will give you an advantage. Geomatics will give you access to many entry-level positions. A specialization may also help you get into graduate school. Talk with your advisor about which sequence might be best for you.

### **Agroecology/Sustainable Agriculture** (including courses in Plant Science, Entomology,

11:015:230. Fundamentals of Agroecology (3)

11:776:221. Principles of Organic Crop Production (3)

11:015:492. Tropical Agriculture (3)

This is just an example. There are numerous offerings under 015, 119, 370, 375, 770, 776 that do not have onerous prerequisites.

### **Physical Science** (Chemistry, Physics)

01:160:161-162 General Chemistry (3,3) or

01:750:203-204 General Physics (3.3) or

Calculus Mix and match!

### **Ecology/ Natural Resource Management** (including Urban-Community Forestry/LA)

After you take 11:704:351 Applied Ecology, you can take many courses in this area.

## **Environmental Planning**

11:372:231. Fundamentals of Environmental Planning (3)  
11:372:409. New Jersey Planning Practice (3)  
11:372:411. Environmental Planning and the Development Process (3)  
see also 10:975:XXX Urban Planning Courses

## **Environmental Science**

11:375:101. Introduction to Environmental Science (3)  
11:375:231. Fundamentals of Environmental Planning (3)  
11:375:301. The Environment and Health (3)  
Main problem here is that most Env. Sci courses have many prerequisites; many of the exceptions are not taught.

## **Forestry**

11:704:365 Arboriculture  
11:704:403 Urban Forestry  
Summer internship with NJ DEP Urban and Community Forestry

## **Geomatics**

11:372:232. Fundamentals of Environmental Geomatics (3)  
11:372:362. Intermediate Environmental Geomatics (3)  
11:372:369. Analytical Methods for Environmental Geomatics (3)  
*with 2 more courses a student could gain a certificate*  
11:372:371. Air-Photo Interpretation (3)  
11:372:462. Advanced Environmental Geomatics (3) or  
11:372:474. Advanced Remote Sensing (3)

## **Marine/Fisheries Sciences**

11:628:200. Marine Sciences (4)  
Two of the following.  
11:628:321. Ichthyology (4)  
11:628:352. Ocean, Coastal, and Estuarine Circulation (3)  
11:374:308. Human Ecology of Maritime Regions (3) or 11:374:428: 01. Topics: Natural Resource Policy: Marine Fisheries Conservation and Policy (3)

## **Meteorology**

11:670:201. Elements of Meteorology (3)  
11:670:202. Elements of Climatology (3)  
11:670:306. Weather, Climate, and Environmental Design (3)  
Most meteorology courses require prerequisites.