

Change of array for Environmental Science BS and Geology Minor

Some of the departments offering courses in these two degrees have changed their courses, and updates are needed to reflect these changes.

Geology Minor

The Geology Minor currently requires Math 1011 as an option, but this course no longer is listed in the Math department. It has been described as pre-college math so is probably not an appropriate level for a science minor. For students who already have another science major (such as BS in Environmental Science) their major provides a math requirement. However, students with a BA (such as Environmental Studies) do not have a math requirement. We suggest 1022 Precalculus to satisfy the math requirement for the Geology minor.

Environmental Science

Bio 2227 Ecology is a required course in the major. It has changed from 4 cr to 3 cr, which drops the minimum required credits in the major by 1 cr.

Stat 2101 is being phased out. It is one option for the statistics requirement, along with Math 2031. The Stat department suggested Stat 2103 as a replacement. This is a 4 cr course which covers more material and will be offered more regularly. We propose keeping both of the statistics options (for the occasional times Stat 2101 is still offered) and adding Stat 2031 as an option.

The Ambler campus offers a GIS course that should be added to our array of GIS options. CRP2524 Fundamentals of Geographic Information Systems covers the same material as GUS 3062 and we would like to add it as an option for students.

Several new courses have been added to biology and geology that need to be included as electives (new faculty offerings). These would be Natural Science (NS) electives:

EES 3042 Coastal Processes (NS)

BIO 3254 Animal Behavior (NS)

BIO 3307 Conservation Biology (NS)

BIO 3311 Herpetology (NS)

BIO 3321 Plant Community Ecology (NS)

Biology 3225 Evolutionary Genetic (3201 pre-req is not in the major) (NS)

We have been allowing Horticulture 2114 Soils and Landscape Architecture 2758 Summer Field Ecology as NS electives and they currently don't have that designation. I suggested allowing them as NS electives.