**Department of Mathematics and Statistics**

**Natural Science Correlate Requirement  
Mathematics Major: Applied Mathematics Specialization**

Students must choose two courses from the following list to satisfy the natural science correlate for the Applied Mathematics Specialization. One of the courses must have a lab component.

CHE 201 General Chemistry I  
CHE 202 General Chemistry II

PHY 201 General Physics I

PHY 202 General Physics II

PHY 220 Advanced Geology (writing intensive)

PHY 261 Advanced General Astronomy

PHY 345 Physics of Clouds and Climate

PHY 361 Extragalactic Astronomy

BIO 201 Foundations of Biological Inquiry

BIO 211 Biology of the Eukaryotic Cell  
BIO 221 Ecology and Field Biology

BIO 301 and 302 -- Human Anatomy and Physiology I & II

BIO 315 -- Plants and People

BIO 332 -- Biology of the Vertebrates

BIO 341 -- Biology of Seed Plants

BIO 342 -- Biology of the Invertebrates

BIO 350 -- Biology of the Fungi

BIO 352 -- Biostatistics (students who choose this course may not count STA 215  
 as one of their math options)

BIO 365/366 -- Natural History of the Galapagos Islands and Ecuador I & II (both  
 must be taken to earn 1 course unit)

BIO 370 -- Topics in Biology (topics and prerequisites vary from year to year)