



# Program/Major or Minor/Concentration Revision Form

(07/2004)

1.0 Degree Title Specify the two degrees for concurrent degree programs	2.0 Administering Faculty/Unit	
1.1 Major (Legacy= Subject) (30-char. max.)	Offering Faculty/Department	
1.3 Minor (with Concentration, if applicable) (30 char. max.)	4.0 Existing Credit Weight	Proposed Credit Weight
1.4 Category		



---

## Major Earth System Science (Complementary Courses Continued)

ATOC 215 (3) Oceans, Weather and Climate  
ATOC 309 (3) Weather Radars and Satellites  
ATOC 315 (3) Thermodynamics and Convection  
ATOC 412 (3) Atmospheric Dynamics  
ATOC 419 (3) Advances in Chemistry of Atmosphere  
ATOC 512 (3) Atmospheric and Oceanic Dynamics  
ATOC 513 (3) Waves and Stability  
[ATOC 515 \(3\) Turbulence in Atmosphere and Oceans](#)  
[ATOC 521 \(3\) Cloud Physics](#)  
[ATOC 525 \(3\) Atmospheric Radiation](#)  
ATOC 530 (3) Paleoclimate Dynamics  
ATOC 531 (3) Dynamics of Current Climates  
ATOC 540 (3) Synoptic Meteorology 1  
ATOC 541 (3) Synoptic Meteorology 2  
BIOL 308 (3) Ecological Dynamics  
BIOL 309 (3) Mathematical Models in Biology  
[BIOL 310 \(3\) Biodiversity and Ecosystems](#)  
BIOL 432 (3) Limnology  
BIOL 434 (3) Theoretical Ecology  
BIOL 441 (3) Biological Oceanography  
BIOL 465 (3) Conservation Biology  
BIOL 540 (3) Ecology of Species Invasions  
[BIOL 573 \(3\) Vertebrate Palaeontology Field Course](#)  
[BREE 217 \(3\) Hydrology and Water Resources](#)  
BREE 319 (3) Engineering Mathematics  
[BREE 509 \(3\) Hydrologic Systems and Modelling](#)  
[BREE 510 \(3\) Watershed Systems Management](#)  
[BREE 515 \(3\) Soil Hydrologic Modelling](#)  
[BREE 533 \(3\) Water Quality Management](#)  
ECON 347 (3) Economics of Climate Change  
ECON 405 (3) Natural Resource Economics  
EPSC 212 (3) Introductory Petrology  
EPSC 312 (3) Spectroscopy of Minerals  
EPSC 320 (3) Elementary Earth Physics  
EPSC 330 (3) Earthquakes and Earth Structure  
EPSC 331 (3) Field School 2  
[EPSC 340 \(3\) Earth and Planetary Inference](#)  
EPSC 334 (3) Invertebrate Paleontology  
EPSC 341 (3) Field School 3  
EPSC 350 (3) Tectonics  
EPSC 423 (3) Igneous Petrology  
EPSC 425 (3) Sediments to Sequences  
EPSC 445 (3) Metamorphic Petrology  
EPSC 452 (3) Mineral Deposits  
EPSC 455 (3) Sedimentary Geology  
EPSC 519 (3) Isotope Geology  
EPSC 530 (3) Volcanology  
EPSC 542 (3) Chemical Oceanography  
EPSC 549 (3) Hydrogeology  
[EPSC 561 \(3\) Ore-forming Processes 1](#)  
EPSC 580 (3) Aqueous Geochemistry  
EPSC 590 (3) Applied Geochemistry Seminar  
GEOG 272 (3) Earth's Changing Surface  
GEOG 305 (3) Soils and Environment  
GEOG 307 (3) Socioeconomic Applications of GIS  
GEOG 321 (3) Climatic Environments  
GEOG 322 (3) Environmental Hydrology  
GEOG 350 (3) Ecological Biogeography  
GEOG 351 (3) Quantitative Methods  
GEOG 372 (3) Running Water Environments

See attached



