Core Curriculum – 33 credits

GEOL 100 (or GEOL 101) and 100L (How Earth Works/Environmental Geology, 4 credits)
MTEOR 140 (Climate and Society, 3 credits)
AGRON/MTEOR 206 (Introduction to Weather and Climate, 3 credits)
CRP 293 (Environmental Planning, 3 credits)
or Soc 220 (Globalization and Sustainability, 3 credits)
GEOL 324 (Energy in the Environment, 3 credits)
JLMC 347 (Science Communication, 3 credits)
ECON 380 (Energy, Environmental and Resource Economics, 3 credits)
MTEOR 360X (Ocean/Atmosphere Interactions, 3 credits)
MTEOR 404 (Global Change, 3 credits)
GEOL 415 (Paleoclimatology, 3 credits)
CAPSTONE CHOICE (2 credits)

Supporting courses – 24 credits

ECON 101, (3 credits)
CHEM 163 and 163L, CHEM 167 and 167L, or CHEM 201 and 201L, (5 credits)
MATH 160 or Math 165, (4 credits)
STAT 305, STAT 101, or STAT 104,(3 credits)
PHYS 131 and 131L or PHYS 231 and 231L, (5 credits)

Advanced Climate Science Pathway – 20 credits

Math 166 (Calculus II, 4 credits)
PHYS 132 (General Physics II, 4 credits) or Phys 232 (Intro to Classical Phys II, 4 credits)

Choose 12 credits:
AGRON 405 (Environmental Biophysics, 3 credits)
AGRON 406 (World Climates, 3 credits)
GEOL 402 (Watershed Hydrology, 3 credits)
GEOL 411 (Hydrogeology, 4 credits)
GEOL 452 (GIS for Geoscientists I, or other advanced GIS course such as GEOL 488, 3 credits)
GEOL 468 (Applied Geostatistics for Geoscientists, 3 credits)
GEOL 474 (Glacial and Quaternary Geology, 3 credits)
GEOL 479 (Surficial Processes, 3 credits)
GEOL 483 (Environmental Biogeochemistry, 3 credits)
GEOL 489 (Survey of Remote Sensing Technologies, 3 credits)
MTEOR 227 or GEOL 559 (or other computer programming course, 3 credits)
MTEOR 301 (General Meteorology, 4 credits)
MTEOR 341 (Atmospheric Physics, 3 credits)
MTEOR 408X (Numerical Modeling, 3 credits)
MTEOR 452 (Climate Modeling, 3 credits)