Degrees Offered with a Major in Geology

- Doctor of Philosophy
  - without a concentration
  - concentration in Climate Science
  - concentration in Hydrologic Sciences
  - concentration in Tropical Conservation and Development
  - concentration in Wetland Sciences
- Master of Science
  - without a concentration
  - concentration in Hydrologic Sciences
  - concentration in Tropical Conservation and Development
  - concentration in Wetland Sciences
  - concentration in Climate Science
- Master of Science in Teaching

Requirements for these degrees are given in the Graduate Degrees (http://catalog.ufl.edu/graduate/degrees/) section of this catalog.
Student Learning Outcomes

Geology (PHD)

SLO 1 Knowledge
Students will articulate orally and in writing the results and applications of their research and scholarship, using the basic concepts, theories, and observational findings related to Earth materials and processes, as they pertain to the student’s research.

SLO 2 Skills
Students will analyze data in the published literature; synthesize analog and digital datasets to produce original geologic maps and/or datasets; apply the scientific method to analysis of published and self-generated data.

SLO 3 Professional Behavior
Students will conduct research in an ethical and responsible manner.

Geology (MS)

SLO 1 Knowledge
Students will articulate orally and in writing the results and applications of their research and scholarship, using the basic concepts, theories, and observational findings related to Earth materials and processes, as they pertain to the student’s research.

SLO 2 Skills
Students will analyze data in the published literature; synthesize analog and digital datasets to produce original geologic maps and/or datasets; apply the scientific method to analysis of published and self-generated data.

SLO 3 Professional Behavior
Students will conduct research in an ethical and responsible manner.

Geology (MST)

SLO 1 Knowledge
Students articulate orally and in writing the results and applications of their scholarship, demonstrating a proficiency in the basic concepts, theories, and observational findings related to Earth materials and processes, as they pertain to educational standards established at the state or national level.

SLO 2 Skills

Students will create, select and implement: (1) specific learning goals, (2) appropriate pedagogy and instructional materials and (3) evaluation strategies aligned with goals, using knowledge of subject matter, learners and classroom management.

SLO 3 Professional Behavior
Students will conduct research and teach in an ethical and responsible manner.