Geology Track Requirements: Earth Science Major, University of Oregon

- All courses must be taken for a grade (C- or better)
- Check prerequisites for upper division courses
- Total credits: 106

Core requirements (55 credits):

- ERTH 201, 202, 203: Intro Earth Sciences (12)
- or ERTH 101, 102, 103 (12)
  *(ERTH 10x and 20x are interchangeable, average grade of B or better required for 101, 102, 103)*
- ERTH 315: Earth Physics (4)
- ERTH 316: Intro Hydrology (4)
- ERTH 318: Intro Field Methods (3)
- ERTH 363: Computational Tools for Earth Sciences (4)
  or CIS 122: Intro Programming and Problem Solving (4)
- PHYS 201, 202: General Physics (8)
  or PHYS 251, 252: Foundations of Physics (8)
- CH 221, 222: General Chem I, II (8)
  or CH 224H, 225H: Honors General Chem I, II (8)
- MATH 251, 252: Calculus I, II (8)
  or MATH 246, 247: Calculus for Biological Sciences (8)
- ERTH 418: Data Analysis for Earth and Environmental Science (4)
  or select one of the following: MATH 253: Calculus III (4) | MATH 343: Stat Models (4) | MATH 425: Stat Methods (4)

Track requirements (31 credits):

- ERTH 331: Mineralogy (5)
- ERTH 332: Petrology (5)
- ERTH 334: Sedimentology and Stratigraphy (4)
- ERTH 350, 351, 352: Structural Geology, Laboratory, and Problems (5)
- ERTH 406: Field Studies (12 credits)

Track electives (Select 20 credits from the following): *suggested

- ERTH 304 to 310 (up to 4 credits)
- ERTH 353: Geologic Hazards (4)
- ERTH 401: Research (up to 4 credits; may be taken for P or P* grade)
- ERTH 403: Thesis (up to 4 credits; may be taken for P or P* grade)
- ERTH 407: Current Topics Seminar (up to 3 credits; may be taken for P or P* grade)
- ERTH 410 and above (includes >20 courses spanning a broad swath of Earth Science topics) *
  - GEOG 481, 482: GIScience I, II (4 each) *
  - BI 306 and above
- CH 331 and above (4 each)
- CIS 210, 211, 212: Computer Science I, II, III (4 each)
- PHYS 203: Gen Physics (4) | 204, 205, 206: Phys Lab (2 each) | 253: Foundations Physics (4) | 290: Foundations Physics Lab (1) | 351, 352, 353: Foundations Physics II (4 each) | 411, 412, 413: Mechanics, Electricity, and Magnetism (4 each)

Update: 30 June 2020