Paleontology Track Requirements: Earth Science Major, Univ. of Oregon

- All courses must be taken for a grade (C- or better)
- Check prerequisites for upper division courses
- Total credits: 105 or 110

Core requirements (60 or 65 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)*

- _BI 211: Cells (4)_
- _BI 213: Populations (4)_
  
  *(or BI 212: Organisms (4))*

- _CH 221, 222: General Chem I,II (8)_
  
  *(or CH 224, 225: Honors General Chem I,II (8))*

- _PHYS 201: General Physics (4)_
  
  *(or PHYS 251: Foundations of Physics (4))*

- _MATH 251, 252: Calculus I,II (8)_
  
  *(or MATH 246, 247: Calculus for Biological Sciences (8))*

- _ERTH 311: Earth Materials (5)_
  
  *(or ERTH 331: Mineralogy (5) and ERTH 332: Petrology (5))*

- _ERTH 315: Earth Physics (4)_
  
  *(or 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))*

- _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 (29 credits):

- _ERTH 334: Sedimentology and Stratigraphy (4)_

- _ERTH 350,351,352: Structural Geology, Laboratory, and Problems (5)_

- _ERTH 406: Field Studies (12 credits)_

- _ERTH select two from 433: Paleobotany (4) | 434: Vertebrate Paleontology (4) | 435: Paleopedology (4)_

Track electives (Select 16 credits from the following): *suggested

- _ERTH 304 to 310 (up to 4 credits)_

- _ERTH 316: Intro Hydrology (4) or ERTH 315: Earth Physics (4) (whichever not taken for core requirements)_

- _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)_
  
  *(or ERTH 410 and above (includes >20 courses spanning a broad swath of Earth Science topics))*

  
  *(468: Evolutionary Theory (4) | 471: Zooarchaeology (4) | 479: Taphonomy: Bones, Bugs, and Burials (4)*

- _BI 306 and above_


- _CH 331 and above_

- _CIS 210, 211, 212: Computer Science I, II, III (4 each)_
  
  *(or GEOG 481, 482: GIScience I, II (4 each)*)


- _PHYS 202, 203: Gen Physics (4 each) | 204, 205, 206: Phys Lab (2 each) | 253: Foundations of Phys I (4) | 290: Foundations Physics Lab (1) | 351, 352, 353: Foundations Physics II (4 each) | 411, 412, 413: Mechanics, Electricity, and Magnetism (4 each)_

*Updated: 30 June 2020*