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

All courses must be taken for a grade (C- or better)
Check prerequisites for all upper division courses
Total Credits: 104

Core requirements (40 credits):	
ERTH 315: Earth Physics (4)	
ERTH 363: Computational Tools for Earth Sciences (4)	
or CIS 122: Intro Programming and Problem Solving (4)	
PHYS 251, 252, 253: Foundations of Physics I (12)	
MATH 251, 252, 253: Calculus I,II,III (12)	
CH 221, 222: General Chem I,II (8)	
or CH 224H, 225H: Honors General Chem I,II (8)	
Track requirements (36 credits):	
ERTH 455: Mechanical Earth (4)	
ERTH 441 to 470 (choose two from the following) 441: Hillslope Geomorph (4) 451: Hydrogeology (4) 453:	
Tectonics (4) 454: Fluid Dynamics (4) 462: Environmental Geomechanics (4) 463: Computational Eart	h
Science (4) 467: Fault Mechanics (4) 468: Intro Seismology (4)	
MATH 256: Intro Differential Equations (4)	
MATH 281, 282: Several Variable Calculus I,II (8)	
PHYS 351, 352, 353: Foundations of Physics II (12)	
or PHYS 411,412,413: Mechanics, Electricity, Magnetism (12)	
Track electives (select 28 credits from the following):	
ERTH 410 and higher (includes >20 courses spanning a broad swath of Earth Science topics)	
ERTH 101 to 310 (up to 8 credits with average grade of B or higher)	
ERTH 311: Earth Materials (5) (note pre-reqs)	
ERTH 316: Intro Hydrology (4)	
ERTH 318: Intro Field Methods (3) (note pre-reqs)	
ERTH 331, 332: Mineralogy (5), Petrology (5) (note pre-reqs)	
ERTH 334: Sedimentology/Stratigraphy (4) (note prereqs)	
ERTH 350, 351, 352: Structural Geology, Laboratory, and Problems (3+) (note preregs)	
ERTH 353: Geologic Hazards (4) (note prereqs)	
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 406: Field Studies (up to 12 credits)	
CH (up to 4 credits) from 223: Gen Chem III (4) 226: Hon Gen Chem III (4) 411: Phys. Chem (4)	
MATH (up to 8 credits) from 341, 342: Elementary Linear Algebra I,II (4 each) 411,412: Functions of Complex	
Variable I,II (4 each) 421,422: Partial Differential Eqns I,II (4 each)	
CIS (up to 8 credits) from 210.211.212; Computer Science LILIII (4 each)	

Update: 30 June 2020