

Name: _____ SID _____

Requirements for Track 1: Geology (GEOL unless noted)

- ____ 1010-3 Intro to Geology 1
- ____ 1030-3 Intro to Geology Lab
- ____ 1020 OR 1040 OR 1060-3 (Intro Earth History/Geol. Colorado/Global Change)
- The above 2 classes are prerequisites for all GEOL courses below
- ____ 2700-2 Intro to Field Geology
- ____ 3010-3 Intro to Mineralogy (prereq. CHEM 1113+1114)
- ____ 3020-3 Petrology (prereq. GEOL3010)
- ____ 3120-4 Structural Geology
- ____ 3320-3 Intro to Geochemistry (prereq. MATH1300, CHEM1113+1114)
- ____ 3430-4 Sedimentology and Stratigraphy
- ____ 4130-3 Principles of Geophysics (prereq. MATH1300, PHYS1110)
- One** of the following water-related courses:
 - ____ 3030-3 OR 3820-3 OR 4060-4 (Hydrogeology/Fluid Earth/Oceanography)
- Two** of the following advanced field courses:
 - ____/____ 4711/4712/4714/4715/4716/4717 (or 4700 with advisor approval)-2
- ____ One additional 3000 or higher GEOL course with the exception of: 3040, 3070, 3500, 3520, 3620, 3630, 3720, 3950, 4080, 4500. List course taken:

Math and science courses in other departments:

- ____/____ CHEM 1113-4 **AND** 1133-4 General Chemistry 1 and 2
- ____/____ CHEM 1114-1 **AND** 1134-1 General Chemistry 1 and 2 lab
- ____/____ MATH 1300 **AND** 2300 (or APPM 1350/1360) Calculus 1 and 2
- ____/____ PHYS 1110-4 **AND** 1120-4 General Physics 1 and 2
- ____ PHYS 1140-1 Experimental Physics 1

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Requirements for Track 2: Environmental Geosciences

____ 1010 OR 2100-3 (Intro to Geology/Environmental Geology)

____ 1030-3 Intro to Geology Lab

____ 2001-4 Planet Earth (prereq. GEOL1010 or 2100)

____ 3230-3 Earth Materials (prereq. GEOL2001)

____ 3320-3 Intro to Geochemistry (prereq. MATH1300, CHEM1113+1114)

Two of the following water-related courses:

____/____ 3030-3 OR 3820-3 OR 4060-4 (Hydrogeology/Fluid Earth/Oceanography)

One of the following courses in biogeochemistry:

____ 4160 OR 4270-3 (Biogeochemistry/Marine Chemistry and Geochemistry)

One of the following climate-related courses:

____ GEOL 4040-3 OR ATOC 3600-3 (Paleoclimatology/Principles of Climate)

One of the following advanced field courses:

____ GEOL 4711/4714/4715/4716/EBIO4630/EVEN4100-2

Four of the following courses (that were not used above to fulfill a different major requirement). At least two of the four must be from GEOL:

____/____ GEOL 3023/3030/3050/3410/3820/4040/4060/4093/4130/4160/4241/

____/____ 4270/4670

Water-related: CVEN 3454/4718/EBIO 4030/GEOG 4251/4260/4321

Biogeochemistry-related: GEOG 4401/EBIO 4060/4570/MCDB 4350

Climate-related: ATOC 4720/ENVS-GEOG 4201

Policy-related: ENVD 4023/ECON 3403/PSCI 4183/ATOC 4800

Math and science courses in other departments:

____/____ CHEM 1113-4 **AND** 1133-4 General Chemistry 1 and 2

____/____ CHEM 1114-1 **AND** 1134-1 General Chemistry 1 and 2 lab

____/____ MATH 1300 **AND** 2300 (or APPM 1350/1360) Calculus 1 and 2

____/____ PHYS 1110-4 **AND** 1120-4 General Physics 1 and 2

____ PHYS 1140-1 Experimental Physics 1

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Requirements for Track 3: Geophysics

- _____ 1010-3 Intro to Geology 1
- _____ 1030-3 Intro to Geology Lab
- _____ 1020 OR 1040 OR 1060-3 (Intro Earth History/Geol. Colorado/Global Change)
- The above 2 classes are prerequisites for all GEOL courses below
- _____ 2700-2 Intro to Field Geology
- _____ 3010-3 Intro to Mineralogy (prereq. CHEM 1113+1114)
- _____ 3020-3 OR 3320-3 Petrology (prereq. GEOL3010) OR
Intro to Geochemistry (prereq. MATH 1300, CHEM 1113+1114)
- _____ 3120-4 Structural Geology
- _____ 4130-3 Principles of Geophysics (prereq. MATH 1300, PHYS 1110)
- _____ 4714-2 Field Geophysics (prereq. GEOL2700, MATH 1300, PHYS 1110)

PHYS requirements:

- _____/_____ PHYS 1110-4 and 1120-4 General Physics 1 and 2
- _____ PHYS 1140-1 Experimental Physics 1
- _____ PHYS 2130-3 **OR** 2170-3 General Physics 3
- _____ PHYS 2210-3 (co-requisite is APPM 2360) Classical Mechanics

MATH requirements:

- _____/_____ MATH 1300 **AND** 2300 (or APPM 1350/1360) Calculus 1 and 2
- _____ MATH 2400-4 OR APPM 2350-4 Calculus 3
- _____ APPM 2360-4 Differential Equations w/ Linear Algebra

Two of the following MATH or PHYS courses:

- _____/_____ PHYS 3210/3310/MATH 4470/APPM 4350-3 Mech 2/ E&M/Part Diff Eq

CHEMISTRY requirements:

- _____/_____ CHEM 1113-4 **AND** 1133-4 General Chemistry 1 and 2
- _____/_____ CHEM 1114-1 **AND** 1134-1 General Chemistry 1 and 2 lab