EARTH SCIENCES  B.S. with Science Education concentration

Name: ___________________________ Date: ___________________________

(Quarter offered: F=Fall, W=Winter, S=Spring, *=Not offered this year) ID#: ___________________________

NOTE: Courses appearing in more than one category can fulfill only one requirement.

INTRODUCTORY REQUIREMENTS

Calculus: MATH 11A (FWS) ___ OR MATH 19A (FWS)
MATH 11B (FWS) ___ OR MATH 19B (FWS)

Chemistry: CHEM 1A (FWS) ___ + CHEM 1B/M (FWS) ___ + CHEM 1C/N (FWS) ___

Biology: BIOL 20A (FWS) ___
BIOE 20B (FWS) ___
BIOE 20C (FWS) ___ OR ENVS 24 (F) ___

Geology: One from the following...
EART 5/L California Geology (preferred) (F) ___ (strongly recommended)
EART 10/L Geological Principles (S) ___
EART 20/L Environmental Geology (W) ___

Physics: PHYS 6A/L (FWS) ___ + PHYS 6B/M (WS) ___

Astronomy: ASTR 2 Overview of the Universe (FWS) ___

Advanced Math: ONE from the following...
AMS 5 Statistics (FWS) ___
EART 111 Mathematics in Earth Sciences (F) ___
MATH 21 Linear Algebra (FWS) ___
MATH 22 Calculus of Several Variables (WS) ___

Education: EDUC 50C Cal Teach 1: Science (2 units) (FW) ___

ADVANCED REQUIREMENTS

Earth Science: EART 110A/L Evolution of the Earth (F) ___
EART 110B/M Earth as a Chemical System (W) ___
EART 109/L Elements of Field Geology (FS) ___ OR BOTH EART 120/L (S) ___ +
EART 150/L (F) ___

Ocean Science: OCEA 102 Oceans and Climates: Past, Present, and Future (*) ___

Education: EDUC 100C Cal Teach 2: Science (2 units) 2 (FS) ___
EDUC 185C Introduction to Teaching Science (W) ___
EDUC 185L Introduction to Teaching: Cal Teach 3 (3 units) (W) ___

Science Elective: ONE upper-division EART or OCEA course ___

Laboratory: ONE upper-division course in EART or OCEA that requires a 1 or 2 unit lab ___

Education Elective: ONE from the following...
EDUC 128 Immigrants and Education (S) ___
EDUC 141 Bilingualism and Schooling (S) ___
EDUC 164 Urban Education (W) ___
EDUC 181 Race, Class, and Culture in Education (F) ___

COMPREHENSIVE REQUIREMENT
EDUC 194F Group Projects (2 units) (FWS) ___