

# Soils and Biogeochemistry Track

38-46 units

SSC 100 (5) I Prin. of Soil Science (Prereq. CHE 2A & B, PHY 1A & B, BIS 1 or 2A, GEL 50, BIS 1 or 2C rec.)

## Select 4 17-21 units

ERS/ESM 100 (4) I Prin. Of Hydrological Sci. (Prereq. CHE 2B, MAT 16B, PHY 7A)  
 HYD 134 (6) III Aqueous Geochemistry (Prereq. CHE 2B)  
 SSC 105 (5) SS Field Studies of Soils in California Ecosystems (Prereq: SSC 100 and 120 or equiv. rec.)  
 SSC 107 (5) I Soil Physics (Prereq. SSC 100, ERS 100, MAT 16A or equiv.)  
 SSC 109 (4) III Sustainable Nutrient Mgmt. (Prereq. SSC 100 or equiv.)  
 SSC 111 (4) II Soil Microbiology (Prereq. CHE 2C and BIS 1 or 2C)  
 SSC 112 (3) I Soil Ecology (Prereq: BIS 1B, 1C, 100)  
 SSC 120 (5) III Soil Genesis, Morphology, and Classification (Prereq. SSC 100, GEL 50 rec.)

## Select 2 7-8 units

ERS/ESM 121(3) I Water & Society (Prereq. PHY 10 or GEL 1)  
 ESP 171 (4) III Urban & Regional Planning (Prereq. ESP 1, a course in Soc. Science and one in Env. Sci.)  
 ESP 172 (4) I Public Lands Mgmt. (Prereq. ECN 1A)  
 ESP 179 (4) II Environ. Impact Rptg. (Prereq. upper div., & BIS 1A or 2A plus one of these ESP 1, 10, 110)

## Select 1 3-4 units

ERS/ESM 185 (4)II Aerial Photo Interpretation & Remote Sensing (No Prereqs.) offered every other year  
 GEL 134 (3) II Environ. Geo. & Land Use Planning (Prereq. GEL 50 or 1 or consent)  
 HYD 147 (3) SS Runoff, Erosion, & Water Qual. Mgmt. in Tahoe (Prereq. Physics, Calc., ECI 141 or 142 or ERS 100)  
 SSC 118 (4) III Soil Science- Soils in Land Use & Env. (Prereq: SSC 100 or consent)

## Select 2

ERS/ESM 144 (4) I Trees and Forests (Prereq. BIS 1C or 2C)  
 ESP 116N (3) II Oceanography (Prereq. GEL 1 or 2 or 16 or 50)  
 ESP 150A (4) I Physical & Chem. Oceanography (Prereq. ESP 116N, Physics, MAT 22C, CHE 2C)  
 ESP 150C (4) SS Biological Oceanography (Prereq. BIS 1 or 2A and general ecology or consent)  
 ESP 151 (4) III Limnology (Prereq. BIS 1A or 2A and junior stand.)  
 ESP 155 (3) I Wetland Ecology (Prereq. ESP 100 or PLB 117 req., 110 or 151 rec.)  
 PLB 117 (4) I Plant Ecology (Prereq. BIS 1 or 2 series, PLB 111 rec.)  
 PLS 130 (3) II Rangeland: Eco., Cons. & Restor. (Prereq. BIS 1C or 2C, intro. ecology, Jr. standing rec.)  
 offered every other year