

Industry Sector: Agriculture and Natural Resources

Pathway: Natural Resources – AS



California Program of Study

Level	Grade	English Language Arts	Math	Social Studies	Science	Career Technical Education Course	Other Required Courses or Recommended Electives		Sample Occupations relating to this pathway (Including SOC Code)	
High School	9	English	Math	Social Science	Science		Physical Education		Occupations requiring a high school diploma <ul style="list-style-type: none"> ➤ Tree Planter ➤ Truck Driver ➤ Mill Laborer 	
	10	English	Math	World History	Science		Physical Education	Visual/Performing Arts or Foreign Language		
High School	11	English		US History					Occupations requiring some post-secondary <ul style="list-style-type: none"> ➤ Interpretive Guide ➤ Recreation Tech ➤ Biology Crew Member 	
	12	English (Recommended)		Civics and American Government						
(High School courses listed in the light green and yellow areas are the Minimum State High School Graduation requirements)									Occupations requiring a 2 year Degree <ul style="list-style-type: none"> ➤ Utility Forester ➤ Wilderness Ranger ➤ Land Surveyor Occupations requiring a BA/BS Degree <ul style="list-style-type: none"> ➤ Wildlife Biologist ➤ Forester ➤ Watershed Manager ➤ Resource Officer Industry recognized certifications, licenses, credentials or apprenticeships related to this pathway. <ul style="list-style-type: none"> ➤ Applicators License ➤ Registered Professional Forester ➤ Certified Arborist 	
13	As Degree Suggested Course Sequence Years 1&2									
		Fall Year 1	Spring Year 1	Summer	Fall Year 2	Spring Year 2				
	14	FNR 1 Environmental Conservation (3) <i>(Meets GE – AREA D)</i>	CCTIS 59 –or– GEOGR 59 Geographic Info/Global Positioning (1-3) CCTIS 60 –or– GEOGR 60 Introduction to Arc GIS (3) (Offered Spring only)	Complete three courses (3-9 units): BIOL 39 (1-2), 40 (1), 158 (1), 159 (1.5), 160 (1.5), 179 (1); ESC 35 (1); FNR 11 (3), 12 (3), 50 (2), 71 (1), 86 (3), 172 (1.5), 173 (3), 182 (2), 183 (1), 185 (1)	Complete two courses (4-8 units): BIOL 24 (4); ESC 5 (4); FNR 2 (3), 10 ((3), 22 (2), 24 (3), 53 (3), 62 (2), 81 (3)	FNR 3 Natural Resources Law and Policy (3)				
		Complete one course: FNR 30 , 61, 63, 64, 65, 66, 67	GE (3)	Complete three courses (3-9 units): BIOL 39 (1-2), 40 (1), 158 (1), 159 (1.5), 160 (1.5), 179 (1); ESC 35 (1); FNR 11 (3), 12 (3), 50 (2), 71 (1), 86 (3), 172 (1.5), 173 (3), 182 (2), 183 (1), 185 (1)	FNR 60 Introduction to Maps and Remote Sensing (2)	Complete three courses (3-9 units): BIOL 39 (1-2), 40 (1), 158 (1), 159 (1.5), 160 (1.5), 179 (1); ESC 35 (1); FNR 11 (3), 12 (3), 50 (2), 71 (1), 86 (3), 172 (1.5), 173 (3), 182 (2), 183 (1), 185 (1)				
	Complete two courses (4-8 units): BIOL 24 (4); ESC 5 (4); FNR 2 (3), 10 ((3), 22 (2), 24 (3), 53 (3), 62 (2), 81 (3)	GE (3)		GE (3)	FNR 11 (3), 12 (3), 50 (2), 71 (1), 86 (3), 172 (1.5), 173 (3), 182 (2), 183 (1), 185 (1)					
	GE (3)	Physical Education Activity Course (1)		GE (3)	GE (3)					
						Physical Education Activity Course (1)				
GE requirements – One each from the following areas: (A.1 or A.3, A.2, B.1 or B.2, Math 104, C.1 or C.2, one course from DO-D9, one course E, plus 1 Physical Education activity courses and one additional unit of activity.)										