



Conservation Management Preparatory Subject Matter Requirements

Preparatory Subject Matter		Quarter(s) Offered	Units	Completed	Notes
Written and Oral Expression					
UWP 101, 102A-G, 104A-E	Upper Division Writing	I, II, III, IV	4	_____	<u>May test out of requirement</u>
CMN 1, 3V, 3Y, or DRA 10	Public Speaking	I, II, III, IV	4	_____	_____
Biological/Physical Science (<i>complete all</i>)					
BIS 2A or BIS 10	Essentials of Life on Earth or General Biology	I, II, III, IV	4-5	_____	_____
CHE 2A or CHE 10	General Chemistry or Concepts of Chemistry	I, II, IV	4-5	_____	<u>CHE 10 offered in fall only</u>
PHY 1A	Principles of Physics	I, II, IV	3	_____	_____
Biological/Physical Science (<i>select one</i>)					
BIS 2B	Principles of Ecology & Evolution	I, II, III, IV	5	_____	<u>BIS 2B recommended</u>
CHE 2B	General Chemistry	II, III, IV	5	_____	_____
PHY 1B	Principles of Physics	II, III	3	_____	_____
Computer Science (<i>select one</i>)					
CMN 12Y	Data Visualization	I, III	4	_____	_____
PLS 21	Applications of Computers in Technology	I, II, III	3	_____	_____
Economics					
ECN 1A	Principles of Microeconomics	I, II, III, IV	4	_____	<u>Need C- or better</u>
ECN 1B	Principles of Macroeconomics	I, II, III, IV	4	_____	<u>Need C- or better</u>
Environmental Science (<i>select one</i>)					
ANS 1	Domestic Animals and People	I	4	_____	_____
ATM 60	Introduction to Atmospheric Science	I	4	_____	_____
GEL 1	The Earth	I, II, III	4	_____	_____
PLS 12	Plants and Society	I, II, III	4	_____	_____
WFC 51	Introduction to Conservation Biology		3	_____	_____
Environmental Studies					
ESP 1	Environmental Analysis	I, IV	4	_____	_____
Mathematics					
MAT 16A, 17A, or 21A	Calculus	I, II, III, IV	3-4	_____	<u>Need C- or better</u>
MAT 16B, 17B, or 21B	Calculus	I, II, III, IV	3-4	_____	<u>Need C- or better</u>
Political Science					
POL 1	American National Government	Varies	4	_____	<u>POL 1 is generally offered twice a year</u>
Statistics (<i>select one</i>)					
STA 13	Elementary Statistics	I, II, III, IV	4	_____	_____
STA 32	Statistical Analysis through Computers	II, III	3	_____	_____

I = fall quarter, II = winter quarter, III = spring quarter, IV = summer session

*Course is offered in odd years only (2019, 2021, etc.)

**Course is offered in even years only (2020, 2022, etc.)

Depth Subject Matter Requirements

NOTE: Students graduating with this major are required to attain at least a C average (2.0 GPA) in all courses taken at the university in Depth Subject Matter *and* pass all coursework. See requirements of the College of Agriculture & Environmental Science in the UC Davis General Catalog.

Depth Subject Matter		Prerequisites	Qtr(s)	Units	Completed
Evaluation and Analysis					
ESP 110	Principles of Environmental Science	PHY 1A or 7A; MAT 16B, 17B, or 21B; BIS 2A or 10 recommended	II	4	_____
ESP 160	The Policy Process	POL 1; ECN 1A and STA 13 recommended	III	4	_____
ESP 168A	Methods of Environmental Policy Analysis	ESP 1 or 10; STA 13 or 100; ECN 1A; ECN 100A recommended	I	5	_____
ESP 168B	Methods of Environmental Policy Evaluation	ESP 168A	II	4	_____
Environmental Law					
ESP 161	Environmental Law	Upper division standing and one course in env science; POL 1 and UWP 1 recommended	I, III	4	_____
Environmental Impact Assessment					
ESP 179	Environmental Impact Assessment	ESP 1 or the equivalent	II, IV	4	_____
Research Design					
ESP 178	Applied Research Methods	ARE 106 or SOC 106 or STA 100 or 103 or 108 or equivalent	II	4	_____
Select one Quantitative Methods Course					
ARE 106	Quantitative Methods in Agricultural Econ	ARE 100A, STA 13, STA 103 all with a C- or better	I, II, III, IV	4	_____
SOC 106	Intermediate Social Statistics	SOC 45B or consent of instructor	I, II	5	_____
STA 100	Applied Statistics for Biological Sciences	MAT 16B or 17B or 21B with a C- or better	I, II, III, IV	4	_____
STA 103	Applied Statistics for Business & Economics	STA 13, 32, or 100; MAT 16B or 17B or 21B with a C- or better	I, II, III, IV	4	_____
STA 108	Applied Stat Methods: Regression Analysis	STA 13, 32, or 100 with a C- or better	I, II, III, IV	4	_____
Select one Microeconomics Course					
ARE 100A	Intermediate Microeconomics	ECN 1A-B; MAT 16C or 17B or 21B; All with C- or better	I, II, III, IV	4	_____
ECN 100A	Intermediate Micro Theory	ECN 1A-B; MAT 16A-B or 17A-B or 21A-B; All with C- or better	I, II, III, IV	4	_____
Select one resource economics course					
ARE/ESP 175	Natural Resource Economics	ARE 100A or ECN 100A or ECN 100 with a C- or better	III	4	_____
ARE 176	Environmental Economics	ARE 100A or ECN 100A or ECN 100 with a C- or better	I, III	4	_____
ECN 125	Energy Economics	ARE 100A or ECN 100A or ECN 100	Varies	4	_____
Geospatial Information Systems (GIS)					
ABT/LDA 150	Introduction to GIS	None	I, III	4	_____
Recommended but not required: One advanced GIS or remote sensing course					
ABT 181N*	Concepts & Methods in GIS	LDA 150 or consent of instructor	II	4	_____
ABT/HYD 182**	Environmental Analysis with GIS	LDA 150 or equiv GIS exp, bio and/or ecology courses rec.	II	4	_____
ESM 185	Aerial Photo Interpretation & Rmt Sensing	Upper division standing	I	4	_____
ESM 186	Environmental Remote Sensing	MAT 16B; PHY 7C or 9B; LDA 150 recommended	II	5	_____

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Conservation Management

Required Courses	Prerequisites	Qtr(s)	Units	Completed	
Note: The same course cannot be used to meet both a depth requirement and a track requirement at the same time.					
Select two environmental policy courses					
ESP 166	Ocean & Coastal Policy	ESP 1 or consent of instructor	I	3	_____
ESP 169**	Water Policy and Politics	ECN 1A or POL 1 recommended	III	3	_____
ESP 170*	Conservation Biology Policy	One course in env science, conservation, or government recommended	II	4	_____
ESP 172	Public Lands Management	ECN 1A and POL 1 recommended	I	4	_____
Select one ecology course					
ENH 160	Restoration Ecology	EVE 117, EVE 121, or PLS 147 or equivalent	III	3	_____
ESM 141**	Fire Ecology	BIS 2A or PLS 2; BIS 2B or 2C	II	4	_____
ESP 100	General Ecology	BIS 2A-C; MAT 16A-B or 17A-B or 21A-B; STA 13 recommended	I, II, IV	4	_____
ESP 121	Population Ecology	BIS 2B-C; MAT 16B or 17B or 21B or 21BH	II	4	_____
EVE 115*	Marine Ecology	ESP 100, EVE 101, or BIS 2B or consent of instructor	II	4	_____
EVE 138*	Ecology of Tropical Latitudes	One course in BIS, ENT, WFC, or GEO, or consent of instructor	III	5	_____
WFC 154	Conservation Biology	ESP 100 or EVE 101 (can be concurrent) or the equivalent	II	4	_____
WFC 155†	Habitat Conservation & Restoration	ESP 100 or EVE 101; WFC 154 and ENH 160 recommended		3	_____
Select one international development course					
AAS 176	The Politics of Resources	AAS 12 or 110	Varies	4	_____
AAS 177	Politics of Life in Africa	None	Varies	4	_____
ANT 103	Indigenous People & Nat Resource Consv	ANT 2 or GEL 1 or ESP 30 recommended	Varies	4	_____
ARE/ECN 115A	Economic Development	ECN 1A and 1B	I, II, III	4	_____
ASA 114	Asian Diasporas	None	Varies	4	_____
CHI 112	Globalization, Transnational Migration, and Chicana/o and Latina/o Communities	CHI 10	Varies	4	_____
CRD 153A, B, or C	International Community Development	Summer Abroad	IV	4	_____
IRE/SOC 104	The Political Economy of Int'l Migration	SOC 1 or 2 or 3 or 4 recommended	Varies	4	_____
NAS 161	CA Indian Environmental Policy I	None	Varies	4	_____
NAS 162	CA Indian Environmental Policy II	None	Varies	4	_____
SOC145A	Sociology of Third World Development	SOC 1 or 2 or 3 recommended	Varies	4	_____

†Future availability unknown

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