



Climate Change Policy Preparatory Subject Matter Requirements

Preparatory Subject Matter		Quarter(s) Offered	Units	Completed	Notes
Written and Oral Expression					
UWP 101, or any 102 or 104	Upper Division Writing	I, II, III, IV	4	_____	<u>May test out of requirement</u>
CMN 1, 3V, 3Y, or DRA 10	Communication	I, II, III, IV	4	_____	_____
Biological/Physical Science (complete all)					
BIS 2A or 2B or BIS 10	Essentials of Life on Earth or General Biology	I, II, III, IV	4-5	_____	<u>Can't use BIS 2B both here and below</u>
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 (select one)					
BIS 2B or 2C	Principles of Ecology & Evolution	I, II, III, IV	5	_____	<u>Can't use BIS 2B both here and above</u>
CHE 2B	General Chemistry	II, III, IV	5	_____	_____
PHY 1B	Principles of Physics	II, III	3	_____	_____
Computer Science (select one)					
CMN 12Y	Data Visualization	I, II, III	4	_____	_____
PLS 21 or PLS 21V	Applications of Computers in Technology	I, II, III	3	_____	_____
Economics					
ECN 1A, 1AV, or 1AY	Principles of Microeconomics	I, II, III, IV	4	_____	<u>Need C- or better</u>
ECN 1B or 1BV	Principles of Macroeconomics	I, II, III, IV	4	_____	<u>Need C- or better</u>
Environmental Science (select one)					
ANS 1	Domestic Animals and People	I	4	_____	_____
ATM 60	Introduction to Atmospheric Science	I	4	_____	_____
AVS 13	Birds, Humans, & the Environment	I	3	_____	_____
GEL 1	The Earth	I, II, III	4	_____	_____
HYD/SAS 10	Water, Power, Society	III	3	_____	_____
PLS/SAS 12	Plants and Society	I, II, III	4	_____	_____
SSC 10	Soils in Our Environment	I	3	_____	_____
Environmental Studies					
ESP 1	Environmental Analysis	I, IV	4	_____	_____
Mathematics					
MAT 16A, 17A, 19A, or 21A	Calculus	I, II, III, IV	3-4	_____	<u>Need C- or better</u>
MAT 16B, 17B, 19B, or 21B	Calculus	I, II, III, IV	3-4	_____	<u>Need C- or better</u>
Political Science					
POL 1 or 1Y	American National Government	Varies	4	_____	<u>POL 1 is generally offered twice a year</u>
Statistics (select one)					
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 (2023, 2025, etc.)

**Course is offered in even years only (2024, 2026, 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	4	_____
ESP 160	The Policy Process	POL 1; ECN 1A and STA 13 recommended	4	_____
ESP 168A	Methods of Environmental Policy Analysis	ESP 1 or 10; STA 13 or 100; ECN 1A; ECN 100A recommended	5	_____
ESP 168B	Methods of Environmental Policy Evaluation	ESP 168A	4	_____
Environmental Law				
ESP 161	Environmental Law	Upper division standing and one course in env science; POL 1 and UWP 1 recommended	4	_____
Environmental Impact Assessment				
ESP 179	Environmental Impact Assessment	ESP 1 or the equivalent	4	_____
Research Design				
ESP 178	Applied Research Methods	ARE 106 or SOC 106 or STA 100 or 103 or 108 or equivalent	4	_____
Select one Quantitative Methods Course				
SOC 106	Intermediate Social Statistics	SOC 46B or SOC 56 or consent of instructor	5	_____
STA 100	Applied Statistics for Biological Sciences	MAT 16B or 17B or 21B with a C- or better	4	_____
STA 103	Applied Statistics for Business & Economics	STA 13, 32, or 100; MAT 16B or 17B or 21B with a C- or better	4	_____
STA 108	Applied Stat Methods: Regression Analysis	STA 13, 32, or 100 with a C- or better	4	_____
Select one Microeconomics Course				
ARE 100A	Intermediate Microeconomics	ECN 1A-B; MAT 16C or 17B or 21B; All with C- or better	4	_____
ECN 100A	Intermediate Micro Theory	ECN 1A-B; MAT 16B or 17B or 21B; All with C- or better	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	4	_____
ARE 176	Environmental Economics	ARE 100A or ECN 100A or ECN 100 with a C- or better	4	_____
ECN 125	Energy Economics	ARE 100A or ECN 100A or ECN 100	4	_____
Select one Environmental Data Science Course				
ABT/LDA 150	Introduction to GIS	None	4	_____
ESP 106	Environmental Data Science	STA 13, 32, or 100 (can be concurrent)	4	_____
Recommended but not required: One advanced GIS or remote sensing course				
ABT 181N*	Concepts & Methods in GIS	LDA 150 or consent of instructor	4	_____
ABT/HYD 182**	Environmental Analysis with GIS	LDA 150 or equiv GIS exp, bio and/or ecology courses rec.	4	_____
ESM 185	Aerial Photo Interpretation & Rmt Sensing	Upper division standing	4	_____
ESM 186	Environmental Remote Sensing	MAT 16B; PHY 7C or 9B; LDA 150 recommended	5	_____

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Climate Change Policy

Track Courses	Prerequisites	Qtr(s)	Units	Completed
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Note: The same course cannot be used to meet both a depth requirement and a track requirement at the same time.

Complete

ESP 165	Climate Policy	ECN 1A, ESP 1, or consent of instructor	I	3	_____
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Select one environmental policy course

ARE 176	Environmental Economics	ARE 100A or ECN 100A or ECN 100 with a C- or better	I	4	_____
ECN 125	Energy Economics	ARE 100A or ECN 100A or ECN 100	Varies	4	_____
ESP/ECI 163**	Energy & Env Aspects of Transportation	Upper division standing in engineering or environmental studies	I	4	_____
ESP 167**	Energy Policy	ECN 1A, MAT 16B, or consent of instructor	II	4	_____
ESP 171	Urban & Regional Planning	ESP 1 or ESP 161 or ESP 179 recommended	III, IV	4	_____
ESP 174	Environmental Justice Policy & Practice	ESP 1 or equivalent recommended	III	4	_____

Select two climate science and meteorology courses

ATM 116	Modern Climate Change	None	I	3	_____
ATM 133	Biometeorology	MAT 16B; one course in a biological discipline; or consent of instructor	II	4	_____
ATM 160**	Intro to Atmospheric Chemistry	CHE 2B	II	4	_____
ESM 131	Air as a Resource	CHE 2A or CHE 10; CHE 2B	II	3	_____
ESP 116N	Oceanography	GEL 1 or 2 or 16 or 50	II or III	3	_____
SAS 25 or 25V	Global Climate Changes (25V is online)	None	II	3	_____

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