



## Integrative Policy

### Preparatory Subject Matter Requirements

Preparatory Subject Matter	Quarter(s) Offered	Units	Completed	Notes
<b>Written and Oral Expression</b>				
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	
<b>Biological/Physical Science (complete all)</b>				
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	
<b>Biological/Physical Science (select one)</b>				
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	
<b>Computer Science (select one)</b>				
CMN 12Y	Data Visualization	I, III	4	
PLS 21 or PLS 21V	Applications of Computers in Technology	I, II, III	3	
<b>Economics</b>				
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>
<b>Environmental Science (select one)</b>				
ANS 1	Domestic Animals and People	I	4	
ATM 60	Introduction to Atmospheric Science	I	4	
GEL 1	The Earth	I, II, III	4	
GEL 134*	Environmental Geology	II	3	
PLS/SAS 12	Plants and Society	I, II, III	4	
<b>Environmental Studies</b>				
ESP 1	Environmental Analysis	I, IV	4	
<b>Mathematics</b>				
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>
<b>Political Science</b>				
POL 1	American National Government	Varies	4	<u>POL 1 is generally offered twice a year</u>
<b>Statistics (select one)</b>				
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 (2022, 2024, 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
<b>Evaluation and Analysis</b>					
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	_____
<b>Environmental Law</b>					
ESP 161	Environmental Law	Upper division standing and one course in env science; POL 1 and UWP 1 recommended	I, III	4	_____
<b>Environmental Impact Assessment</b>					
ESP 179	Environmental Impact Assessment	ESP 1 or the equivalent	II, IV	4	_____
<b>Research Design</b>					
ESP 178	Applied Research Methods	ARE 106 or SOC 106 or STA 100 or 103 or 108 or equivalent	II	4	_____
<b>Select one Quantitative Methods Course</b>					
SOC 106	Intermediate Social Statistics	SOC 46B or SOC 56 or consent of instructor	I, III	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	_____
<b>Select one Microeconomics Course</b>					
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	_____
<b>Select one Resource Economics Course</b>					
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	4	_____
ECN 125	Energy Economics	ARE 100A or ECN 100A or ECN 100	Varies	4	_____
<b>Select one Environmental Data Science Course</b>					
ABT/LDA 150	Introduction to GIS	None	I, II, III	4	_____
ESP 106	Environmental Data Science	STA 13, 32, or 100 (can be concurrent)	II	4	_____
<b>Recommended but not required: One advanced GIS or remote sensing course</b>					
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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# Integrative Policy

Students choosing this individualized track must consult with a faculty adviser to identify an area of emphasis within this track and to select four upper division courses with a common theme. Possible areas of emphasis are marine policy, pollutants in the environment, planning in the presence of environmental hazards, sustainable development, or environmental and natural resource economics. If you are considering this track, please contact the major adviser as soon as possible.

Track Courses	Units	Completed	Notes

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