

Courses in the Major

BS - Environmental Science and Policy

Prerequisites[#]

Credits

Term*

Required Courses

MATH 110 Single Variable Calculus I	MATH 104 or Equivalent	3	F / S
MATH 203 Introduction to Statistics	MATH 099 or Equivalent	3	F / S
CHEM 140/140L General Chemistry I / Laboratory	N/A	4	F / S
CHEM 150/150L General Chemistry II / Laboratory	CHEM 140/140L	4	S
PHYS 107/107L General Physics for Life Sciences I / Laboratory	MATH 110	4	F / S
BIOL 205/205L Evol. & Diversity in Multicellular Organisms / Laboratory	N/A	4	S
ENV 101 Introduction to Environmental Science	N/A	3	F
ENV 102 Introduction to Environmental Policy	N/A	3	S
ENV 111/111L Physical Geology / Laboratory OR	N/A	4	F
ENV 112 Intro to Hazards and Global and Environmental Change	N/A	3	S
ENV 205 Seminar Series	N/A	1	S
ENV 374 Environmental Politics and Policy	N/A	3	S
ENV 375 Public Policy Process	ENV 102 or POSC 110	3	F
ENV 310/310L Geographic Information Systems / Laboratory	N/A	4	S
ENV 330 Energy and Matter Flow	ENV 101, PHYS 107, CHEM 150, BIOL 205	3	F
ENV 498 Senior Capstone Research and Seminar	ENV 310, ENV 330, ENV 374	3	S

CHOOSE ONE AREA OF STUDY:

Area of Study: Ecology (select 9-12 credits from the following); 1 course if not primary area of study

BIOL 301/301L Plant Biology / Laboratory	BIOL 205	4	S - Even
BIOL 319/319L Ecosystem Ecology Laboratory	BIOL 205	4	F - Odd
BIOL 324/324L Ecology / Laboratory	BIOL 205	4	F - Even
BIOL 333/333L Animal Behavior / Laboratory	BIOL 205	4	S - Odd
BIOL 440/440L Marine Biology / Laboratory	BIOL 205	4	S - Odd
ENV 490 Independent Internship	approval of program advisor	1-3	F / S
ENV 491 Student-Faculty Research	faculty permission	1-3	F / S

Area of Study: Earth Systems (select 9-12 credits from the following); 1 course if not primary area of study

CHEM 325 Atmospheric Chemistry	CHEM 331, CHEM 340	3	Var.
CHEM 326 Aquatic Chemistry	CHEM 331, CHEM 340	3	Var.
CHEM 327 Environmental Geochemistry	CHEM 331, CHEM 340	3	S - Odd
ENV 301 Environmental Geology	ENV 111 or ENV 112	3	S - Even
ENV 320 Earth System Science	ENV111 or ENV 112	3	F - Odd
ENV 420 Environmental Hydrology	ENV111 or ENV112	3	Var.
ENV 440 Remote Sensing of the Environment	ENV111 or ENV112	3	F - Even
ENV 490 Independent Internship	approval of program advisor	1-3	F / S
ENV 491 Student-Faculty Research	faculty permission	1-3	F / S

Area of Study: Policy (select 9-12 credits from the following); 1 course if not primary area of study

ECON 465 Environmental and Natural Resource Economics	ECON 200	3	F
ENG 374 Environmental Rhetoric	N/A	3	Var.
HIST 301 U.S. Environmental History	N/A	3	Var.
PHIL 303 Environmental Ethics	N/A	3	Var.
PHIL 321 Philosophy of Science	N/A	3	Var.
POSC 320 International Law, Int. Organizations and World Order	N/A	3	Var.
POSC 335 Political Economy	N/A	3	F / S
POSC 346 Environmental Law	POSC 110	3	Var.
POSC 378 Special Topics in Public Policy	POSC 375	3	Var.
SOC 335 Society and the Environment	SOC 101 or ENV102	3	F / S
ENV 490 Independent Internship	approval of program advisor	1-3	F / S
ENV 491 Student-Faculty Research	faculty permission	1-3	F / S

Experimental Courses (e.g., ENV329) are frequently offered and can be applied to the relevant Area of Study

[#]Prerequisites may be waived with permission of the instructor.

*Course scheduling often changes. Check my.chapman.edu for actual availability. F = Fall. S = Spring. Var.= Variable.

ENVIRONMENTAL SCIENCE AND POLICY
 SUGGESTED 4 YEAR PLAN
 2016-2017 CATALOG

YEAR 1					
Fall			Spring		
Course	Course Title	Credits	Course	Course Title	Credits
ENV 101	Introduction to Env. Science	3	ENV 102	Introduction to Env. Policy	3
CHEM 140(L)	General Chemistry (+Lab)	4	CHEM 150(L)	General Chemistry (+Lab)	4
			BIOL 205(L)	Evol. & Div. Multicellular Organ. (+Lab)	4

YEAR 2					
Fall			Spring		
Course	Course Title	Credits	Course	Course Title	Credits
ENV 111(L)	Physical Geology (+Lab)	4	ENV 112	Hazards and Global and Env. Change	3
<i>Students are required to take either ENV111(L) or ENV112</i>			ENV 205	Env. Seminar	1
MATH 110	Single Variable Calculus	3	MATH 203	Introduction to Statistics	3
			ENV 374 or	Env. Politics and Policy	3
			ENV 310(L)	Geographic Inf. Systems (+Lab)	4

YEAR 3					
Fall			Spring		
Course	Course Title	Credits	Course	Course Title	Credits
ENV 375	Public Policy Process	3	ENV 374 or	Env. Politics and Policy	3
PHYS 107(L)	General Physics (+Lab)	4	ENV 310(L)	Geographic Inf. Systems (+Lab)	4
Upper-Division Elective(s)		var.	Upper-Division Elective(s)		var.

YEAR 4					
Fall			Spring		
Course	Course Title	Credits	Course	Course Title	Credits
ENV 330	Env. Problem Solving	3	ENV 498	Senior Capstone	3
Upper-Division Elective(s)		var.	Upper-Division Elective(s)		var.