



DEPARTMENT OF EARTH, ATMOSPHERIC AND PLANETARY SCIENCES



## Course 1-12 DEGREE SAMPLE ROADMAP

## Sophomore Fall Start

SOPHOMORE YEAR	
FALL	SPRING
6.100A Introduction to Computer	1.020 Engineering Sustainability (12
Science Programming in Python (6	units)
units)	
6.100B Introduction to Computational	12.307 Weather and Climate Laboratory
Thinking and Data Science (6 units)	(12 units)
12.003 Introduction to Atmosphere,	Restricted Elective (12 units)
Ocean, and Climate Dynamics (12	
units)	
18.03 Differential Equations (12 units)	HASS subject (12 units)
HASS subject (12 units)	

JUNIOR YEAR	
FALL	SPRING
1.010A Probability: Concepts and Applications (6 units)	1.086 Physics of Renewable Energy Systems and Computational Analysis (12 units)
1.010B Causal Inference for Data Analysis (6 units)	Restricted Elective (12 units)
1.073 Introduction to Environmental Data Analysis (6 units)	Restricted Elective (6 units)
Restricted Elective (12 units)	Unrestricted Elective (12 units)
Unrestricted Elective (12 units)	HASS subject (12 units)
HASS subject (12 units)	

SENIOR YEAR	
FALL	SPRING
1.067 Energy Systems for Climate	1.108 Climate and Sustainability Lab
Change Mitigation (12 units)	(12 units)
12.301 Climate Science (12 units)	12.349 Mechanisms and Models of the
	Global Carbon Cycle (12 units)
Unrestricted Elective (12 units)	Unrestricted Elective (12 units)
HASS subject (12 units)	HASS subject (12 units)

## Sophomore Spring Start

SOPHOMORE YEAR	
FALL	SPRING
Unrestricted Elective (12 units)	6.100A Introduction to Computer
	Science Programming in Python (6
	units)
Unrestricted Elective (12 units)	6.100B Introduction to Computational
	Thinking and Data Science (6 units)
HASS subject (12 units)	12.307 Weather and Climate Laboratory
	(12 units)
	18.03 Differential Equations (12 units)
	HASS subject (12 units)

JUNIOR YEAR	
FALL	SPRING
1.010A Probability: Concepts and	1.086 Physics of Renewable Energy
Applications (6 units)	Systems and Computational Analysis
	(12 units)
1.010B Causal Inference for Data	1.020 Engineering Sustainability (12
Analysis (6 units)	units)
1.073 Introduction to Environmental	Restricted Elective (12 units)
Data Analysis (6 units)	
12.003 Introduction to Atmosphere,	Restricted Elective (6 units)
Ocean, and Climate Dynamics (12	
units)	
Restricted Elective (12 units)	HASS subject (12 units)
HASS subject (12 units)	

SENIOR YEAR	
FALL	SPRING
1.067 Energy Systems for Climate	1.108 Climate and Sustainability Lab
Change Mitigation (12 units)	(12 units)
12.301 Climate Science (12 units)	12.349 Mechanisms and Models of the
	Global Carbon Cycle (12 units)
Restricted Elective (12 units)	Unrestricted Elective (12 units)
HASS subject (12 units)	HASS subject (12 units)

## **Junior Fall Start**

SOPHOMORE YEAR	
FALL	SPRING
Unrestricted Elective (12 units)	Unrestricted Elective (12 units)
Unrestricted Elective (12 units)	Unrestricted Elective (12 units)
HASS subject (12 units)	HASS subject (12 units)

JUNIOR YEAR	
1.010A Probability: Concepts and	1.020 Engineering Sustainability (12
Applications (6 units)	units)
1.010B Causal Inference for Data	12.307 Weather and Climate Laboratory
Analysis (6 units)	(12 units)
6.100A Introduction to Computer	Restricted Elective (12 units)
Science Programming in Python (6	
units)	
6.100B Introduction to Computational	Restricted Elective (6 units)
Thinking and Data Science (6 units)	
12.003 Introduction to Atmosphere,	HASS subject (12 units)
Ocean, and Climate Dynamics (12	
units)	
18.03 Differential Equations (12 units)	
HASS subject (12 units)	

SENIOR YEAR	
FALL	SPRING
1.067 Energy Systems for Climate	1.086 Physics of Renewable Energy
Change Mitigation (12 units)	Systems and Computational Analysis
	(12 units)
1.073 Introduction to Environmental	1.108 Climate and Sustainability Lab
Data Analysis (6 units)	(12 units)
12.301 Climate Science (12 units)	12.349 Mechanisms and Models of the
	Global Carbon Cycle (12 units)
Restricted Elective (12 units)	Restricted Elective (12 units)
HASS subject (12 units)	HASS subject (12 units)