



BACHELOR OF SCIENCE IN ENVIRONMENTAL STUDIES (B.S.ES)

120 credit hour, non-professional degree

The Bachelor of Science in Environmental Studies (BSES) recognizes the importance of sustainable development in today's world and, given its location within the School of Architecture and Planning, is intended to give graduates an understanding of how our built environment impacts the natural environment.

The program curriculum is centered on four principle themes of environmental literacy: knowledge (factual and science-based knowledge); competency (skill-sets regarding doing or analyzing problems and solutions); behavior (inculcating practices into one's own life or choices); disposition (belief that the topic is meaningful). The program also focusses on community engagement generated through environmental studies workshops which reinforce the social aspect of CUArch's mission of Building Stewardship.

Students also choose to pursue related minors in engineering, business and economics, sociology and management as a means of reinforcing the main theme of this program. Graduates from the B.S. Environmental Studies program might continue their graduate studies in our graduate Architecture, Facilities Management or City and Regional Planning programs. They would also be well equipped to seek jobs in government as well as non-governmental agencies that focus on the environment.

BACHELOR OF SCIENCE IN ENVIRONMENTAL STUDIES (B.S.ES)

Year One

Fall	ARPL101	Architectural Foundations 1: Introduction to Architecture	3	
	LC: PHIL201	Classical Mind	3	
	LC: ENG101	Rhetoric and Composition	3	
	HUM101	Classics in Conversation	3	
	MATH108	Precalculus	3	15
Spring	ARPL102	Architectural Foundations 2: Design Tools	3	
	LC: PHIL202	Modern Mind	3	
	LC: TRS201	Faith Seeking Understanding	3	
	PHYS101	20th-Century Concepts	3	
	MATH111	Calculus	3	15
Year One: Total Credit Hours				30

Year Two

Fall	ARPL201	Design Analysis & Synthesis	3	
	ARPL---	History of Architectural Technology	3	
	ARPL 231	Introduction to Sustainability	3	
	SSE	Social Science Elective	3	
	LSE	Liberal Studies Elective	3	15
Spring	ARPL---	Environmental Studies Workshop	4	
	ARPL---	Systems Thinking	3	
	ARPL232	Environmental Design 1	3	
	TRS	Religious Studies Elective	3	
		Free Elective	3	16
Year Two: Total Credit Hours				31

Year Three

Fall	ARPL---	Building Construction and Waste	3	
	ARPL---	Water Use and Infrastructure	3	
	BIO114	Field Biology for non-Science Majors	3	
	LSE	Liberal Studies Elective	3	
		Free Elective	3	15
Spring	ARPL---	Environmental Studies Workshop	4	
	ARPL538	LEEDlab	3	
	LSE	Liberal Studies Elective	3	
		Free Elective	3	
		Free Elective	3	16
Year Three: Total Credit Hours				31

Year Four

Fall	ARPL---	Environmental Studies Workshop	4	
	ARPL---	Environmental Assessment of the Built Environment	3	
	ENG 314	Introduction to Alternative Energy	3	
	SSE	Free Elective	3	16
Spring	ARPL---	Capstone Environmental Studies Project	3	
	ARPL---	Sustainable Materials	3	
	EE459	Introduction to Wind Energy Technology	3	
		Free Elective	3	12
Year Four: Total Credit Hours				30
Bachelor of Science in Architecture: Total Credit Hours				120