Environmental Design (ENVD)

Bachelor of Science in Environmental Design

The bachelor of science in environmental design is a flexible multi-disciplinary degree. It emphasizes the blend of sustainable practices from local and global context with comprehensive design and systems thinking. The degree content includes environmental design courses, directed electives (electives within CADC) and free electives. Students are encouraged to utilize the free electives to earn minor, and therefore customize their educational experience. Two summers of coursework are required for the environmental design workshop course series. While this degree is a good option for students who are interested in pursuing graduate studies in design, planning and construction related programs, it also enables students to seek employment opportunities in a variety of different fields upon graduation.

Students who pursue the environmental design degree will learn core knowledge of design and construction disciplines and business practices related to human-designed environments, including awareness of national and global perspectives. Exposure to national/global environmental design issues, focus on interdisciplinary concepts, hybrid practices, and sustainability are key aspects of the curriculum. A two part workshop course series allows students to focus on developing a general technical skill set for environmental design foundations. Digital media introduction, structure and fabrication techniques, design communication development are included. A capstone workshop requires students to initiate and complete a community engagement environmental design project using principles of collaboration, leadership and effectiveness training, hands-on experience, civic engagement and design communication skills. Minimum GPA for transfer students is 2.5.

Freshman

Fall	Hours	Spring	Hours
ENGL 1100 English Composition I	3	ENGL 1120 English Composition II	3
History Core I	3	History Core II	3
Directed Elective 1	3	Core Science I	4
Free Elective[2]	3	ENVD 2010 Introduction to Design and Design Methods	3
Core Math	3-4		
	15-16		**13**

Sophomore

Fall	Hours	Spring	Hours	Summer	Hours
Core Literature (Humanities)	3	Core Humanities (Philosophy)	3	**ENVD 2100 Environmental Design Workshop I[1]**	**6**
Core Science II	4	Directed Elective 2	3	Directed Elective 3	3
ENVD 2040 Design, Invention and Society *or* ARCH 2600 The Art of Architecture, Place, and Culture	**3**	Social Science	3		
Free Elective(s)[2]	6	**ENVD 2000 Environmental Design Concepts and Practices I**	**3**		
		Free Elective[2]	3		
	16		**15**		**9**

Junior

Fall	Hours	Spring	Hours	Summer	Hours
Core Social Science	3	**ENVD 3100 Civic Engagement and Research Methods[1]**	3	**ENVD 4100 Environmental Design Workshop II - Capstone[1]**	**6**

ENVD 3000 Environmental Design Concepts and Practices II[1]	**3**	**ENVD 5030 Studies in Design Thinking and Entrepreneurship (Studies in Design Thiking and Praxis)**	**3**	Free Elective[2]	3
ENVD 4010 Elements of Design Thinking and Communication	**3**	ENVD 4970 Special Topics in Environmental Design	3		
ENVD 3200 Systems in Built Environment I	3	ENVD 3300 Systems in Built Environment II	3		
Free Elective*	3	ENVD 4500 Professional Practice	3		
	15		**15**		**9**

Senior

Fall	Hours
Core Humanities	3
Free Elective[2]	4
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Directed Elective 4	3
Directed Elective 5	3
	13

Total Hours: 120-121

[1]   Professional Fee Charged
[2]   Students are required to complete 10 credit hours of 1000-level free electives and 12 credit hours of 2000-level free electives.