

ARCHITECTURE - BACHELOR OF ENVIRONMENTAL DESIGN (BEV)

The BEV in Architecture focuses on the design and development of the built environment. Architecture encompasses broad topics such as sites, program, materiality, structural systems, modern technologies, human interconnectedness and social interaction. This major endeavors to teach students to be responsible citizens and stewards of aesthetic, ethical, social, economic and environmental concerns.

Required Courses and Credits

The curriculum for the Bachelor of Environmental Design (BEV) is subdivided into two parts:

1. The first part consists of a design core program lasting one and a half years and provides a balanced introduction to each of the BEV majors offered. The design core outcome establishes shared core competencies across disciplines and provides critical context for the inherently interdisciplinary and cross-cultural built environment. By the end of the core studies, students select or confirm their intended major.
2. The second part is focused on a selected major. Studies culminate in a degree in Bachelor of Environmental Design (BEV) with a major in either environmental products of design, architecture, landscape architecture and sustainable planning and urban design. Each has unique requirements for completing the major.

Credit Hours

Students must complete a minimum of 120 credit hours subject to the maximum outlined in this catalog, including all ENVD design core requirements, major requirements and maintain a GPA of 2.00 or better. Students must complete courses with a grade of C- or better to fulfill university and degree requirements.

Note: In addition, majors in the Department of Environmental Design must complete CMDI Core Curriculum requirements. The Core Curriculum requirements for the College of Communication, Media, Design and Information can be found in Policies & Requirements.

Code	Title	Credit Hours
Environmental Design core		37
The first part of the Environmental Design curriculum consists of a design core program lasting one and a half years and provides a balanced introduction to each of the BEV majors. The design core outcome establishes shared core competencies across disciplines and provides critical context for the inherently interdisciplinary and cross-cultural built environment. By the end of the design core program, students select or confirm their intended major.		
Environmental Design major		54

The second part of the Environmental Design curriculum is focused on a selected major, which culminates in a Bachelor of Environmental Design (BEV) degree with a major in either environmental products of design, architecture, landscape architecture, or sustainable planning and urban design. Each has unique requirements to complete the major.

ENVD Electives (9 credits, incl in the above)

CMDI Core Curriculum (min. 22 credits)

The CMDI Core Curriculum has requirements for any major in the college, however the ENVD majors have required courses that satisfy some these requirements. See each BEV major plan of study for additional information.

Lower-Division Composition and Expression requirement 3

Choose one:

ARSC 1150	Writing in Arts and Sciences
ENVD 1150	First Year Writing for Environmental Design
ENVS 1150	First-Year Writing in Energy, Environment and Sustainability
WRTG 1100	Extended First-Year Writing and Rhetoric
WRTG 1150	First-Year Writing and Rhetoric
WRTG 1160	CMDI First-Year Writing and Rhetoric

Upper-Division Composition and Expression requirement ¹ 3

People and Society requirement ² 3

Humanities and the Arts requirement ³ 6

Quantitative Thinking requirement min. 3

Meet with Academic Advisor to determine requirement for specific major.

The Natural World requirement (1 course + a lab/recitation) ⁴ min. 4

Meet with an Academic Advisor to determine requirements for specific major.

Non-ENVD Electives 9

Total Credit Hours 122

- ¹ May be fulfilled by courses in Upper-Division Composition and Expression requirement list or ENVD 3150.
- ² May be fulfilled by courses in People in Society requirement list. ENVD 2001 already applies to this college requirement with 3 credits remaining for most students in a BEV major Plan of Study.
- ³ May be fulfilled by courses in Humanities and the Arts requirement list. It is strongly encouraged that students meet with an advisor to register for at least one course that also satisfies the college's Diversity & Global Culture requirement, otherwise an additional 3 credits of Point-of-View may be required.
- ⁴ May be fulfilled by courses in The Natural World requirement list. ENVD 2003 applies to this requirement with 4 credits (1 course plus lab) remaining for most students in a BEV major Plan of Study.

Plan(s) of Study

Sample Four-Year Plans of Study

The first three semesters of the BEV curriculum is the design core curriculum, which is a prerequisite for: Environmental Products of Design, Architecture, Landscape Architecture, and Sustainable Planning and Urban Design. There are corequisite design core courses each semester that are typically sequential from semester to semester.

Design Core

First Year

Fall Semester		Credit Hours
ENVD 1010	Studio 1: Introduction to Environmental Products of Design	3
ENVD 1020	Studio 1: Introduction to Architecture	3
ENVD 1002	Technology 1: Applications for Environmental Design	2
ENVD 1004	Introduction to Environmental Design	3
ENVD 1976	Colloquium - Exploring Careers, Research and Practice	1
Lower-Division Composition and Expression requirement (choose one: ARSC 1150, ENVD 1150, ENVS 1150, WRTG 1100 or WRTG 1150)		3
Credit Hours		15

Spring Semester

ENVD 1030	Studio 1: Introduction to Landscape Architecture	3
ENVD 1040	Studio 1: Introduction to Sustainable Planning and Urban Design	3
ENVD 1012	Technology 2: Visual Communications	2
ENVD 1024	History of the Built Environment ¹	3
Humanities and the Arts requirement ²		3
Credit Hours		14

Second Year

Fall Semester

ENVD 1110	Studio 2: Fundamentals of Environmental Design 1	3
ENVD 1120	Studio 2: Fundamentals of Environmental Design 2	3
ENVD 1022	Technology 3: Intermediate Applications for Environmental Design	2
ENVD 2003	Ecological Systems in Design ³	3
ENVD 2101	Context of Design: Planning and Implementation	3
People and Society requirement ⁴		3
Credit Hours		17

Total Credit Hours 46

¹ ENVD 1024 counts toward the CMDI Core Curriculum Historical Views requirement.

² May be filled by courses in the CMDI Core Curriculum Humanities and the Arts requirements list. It is advised that at least one course should also satisfy the CMDI Core Curriculum Diversity and Global Culture (D) requirement, otherwise additional credits may be needed.

³ ENVD 2003 satisfies the CMDI Core Curriculum The Natural World requirement with 1 course plus lab remaining for most students in the Plan of Study.

⁴ ENVD 2001 applies to the CMDI Core Curriculum People and Society requirement with 3 credits remaining for most students in the Plan of Study.

Second Year

Spring Semester

ARCH 2100	Studio 1: Foundations of Architecture	6
ARCH 2115	Architecture Materials and Methods	3
ENVD 2001	Human Behavior and Design ⁴	3
Quantitative Thinking requirement (choose one: MATH 1150 & 1151 or MATH 1300)		5
Credit Hours		17

Third Year

Fall Semester

ARCH 3100	Studio 2: Intermediate Architecture	6
ARCH 3114	History and Theory of Architecture 1 ⁵	3
PHYS 2010	General Physics 1 ⁶	5
ENVD Elective ⁷		3
Credit Hours		17

Spring Semester

Professional development requirement ⁸		6
ARCH 3214	History and Theory of Architecture 2	3
Upper-Division Composition and Expression or ENVD 3150		3
Elective		3
Credit Hours		15

Fourth Year

Fall Semester

Elective Studio (choose one: ENVD 3100, ARCH 3100 or an approved Design study abroad) ⁹		6
ARCH 4115	Architecture Building Technology	3
Upper-Division Humanities and the Arts requirement ²		3
ENVD elective ⁷		3
Credit Hours		15

Spring Semester

ARCH 4100	Studio 3: Capstone in Architecture	6
ENVD elective ⁷		3
Electives		6
Credit Hours		15
Total Credit Hours		79

¹ ENVD 1024 counts toward the CMDI Core Curriculum Historical Views requirement.

² May be filled by courses in the CMDI Core Curriculum Humanities and the Arts requirements list. It is advised that at least one course should also satisfy the CMDI Core Curriculum Diversity and Global Culture (D) requirement, otherwise additional credits may be needed.

³ ENVD 2003 satisfies the CMDI Core Curriculum The Natural World requirement with 1 course + lab remaining for most students in the Plan of Study.

⁴ ENVD 2001 applies to this CMDI Core Curriculum People and Society requirement with 3 credits remaining for most students in the Plan of Study.

⁵ ARCH 3114 counts toward the CMDI Core Curriculum Historical Views (H) and Diversity and Global Culture (D) requirements.

⁶ PHYS 2010 accounts for the remaining course + lab credits in the CMDI College Core The Natural World requirement.

⁷ ENVD Electives list.

- ⁸ Application for professional development requirement.
- ⁹ Students can enroll in an additional 3100 studio in their major to fulfill the elective studio requirement. Please meet with your advisor to address course options.

Learning Outcomes

By the completion of the program, students will be able to:

- Use creative, critical and convergent thinking to address social and environmental issues, analyzing the need for and impact of design solutions by examining precedents, applying theoretical knowledge, conducting research and using problem-defining techniques.
- Develop conceptual or material solutions to socio-environmental issues through iterative design processes, synthesizing critical feedback and collaborative findings with peers and communities they engage with.
- Employ graphic, verbal, written, spatial and other communication strategies to organize, demonstrate and effectively argue for their design concepts and proposals.
- Apply principles of social and environmental justice in their work, prioritizing design stewardship and sustainability to ensure the health, safety and welfare of all project constituents.
- Demonstrate foundational technical skills and the ability to apply methodologies essential for entering academic and professional disciplines in environmental design.