ENVIRONMENTAL DESIGN, B.ENV.D.

Overview/Entrance Requirements

Supplies and Expenses

The Faculty of Architecture has an Information Technology Program fee for all enrolling students. A portion of those fees contributes to a Technology Endowment Fund managed by a student-run committee. Remaining funds will be expended on current technology items of direct benefit to students. Further details regarding fees may be found at: https://umanitoba.ca/registrar/tuition-fees/undergraduate (https://umanitoba.ca/registrar/tuition-fees/undergraduate/)

In addition to tuition, student fees, and related expenses, students will be accountable for any additional expenses related to required materials, equipment, and textbooks.

The Environmental Design Program offers Field Studies in Years 2, 3 and 4 either as stand alone courses or in conjunction with a design studio offering. These may be regional, national or international. All related costs are to be borne by the students. A valid passport is required. A visa may also be required.

Please refer to the Environmental Design website for camera, laptop computer and software specifications.

The Environmental Design Program has an Urban Media Lab fee. The Urban Media Lab course is offered at the start of Year 2 and is hosted off campus in advance of the regular academic session in late August.

For information about professional studies leading to the degrees of Master of Architecture, Master of City Planning, Master of Interior Design and Master of Landscape Architecture, please refer to the University of Manitoba's Graduate Calendar (https://catalog.umanitoba.ca/graduate-studies/).

Degree Requirements

Course	Title	Hours
Year 1		
EVDS 1600	Introduction to Environmental Design	3
EVDS 1602	Visual Literacy	3
EVDS 1660	History of Culture, Ideas and Environment 1	3
EVDS 1670	History of Culture, Ideas and Environment 2	3
EVDS 1680	Environmental Technology	3
University Written English Course [1]		3
University Mathematics Course [1]		3
Open Elective Credits		9
	Hours	**30**
Year 2		
EVDS 2100	Urban Media Lab	3
EVDS 2200	Ecology and Design	3
EVDS 2300	Materials, Structures and Assemblies	3
EVDS 2400	Visual Media 1	3
EVDS 2500	Design Studio 1	6
EVDS 2600	Tectonic Precedent	3
EVDS 2702	Natural and Human Systems	3
EVDS 2800	Visual Media 2	3
EVDS 2900	Design Studio 2	6
	Hours	**33**
Years 3-4		
One of the following options:		66
	Architecture Option	
	Interior Environments Option	
	Landscape + Urbanism Option	
	Hours	**66**
	Total Hours	**129**

[1]   The University Written English (W) and Mathematics (M) course (https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/) requirements and Open Electives must be at the 1000 level or higher.

Architecture Option

Course	Title	Hours
Year 3		
EVAR 3000	Pre-Modern Architectural History and Theory I	3
EVAR 3002	Pre-Modern Architectural History and Theory II	3
EVAR 3004	ARCH TECH 1	3
EVAR 3006	Architectural Technology 2-Building Construction, Structures & Envelopes	3
EVAR 3008	Architecture Design Studio 1	9
EVAR 3010	Architecture Design Studio 2	9
EVAR 3014	Drawing: Freehand/Digital	3
	Hours	**33**
Year 4		
EVAR 4000	Modern Architectural History and Theory I	3
EVAR 4002	Architectural Technology 3-Building Systems	3
EVAR 4004	Architecture Design Studio 3	9
EVAR 4006	Modern Architectural History and Theory II	3
EVAR 4008	Arch Tech 4: Comprehensive Design Technology Report	3
EVAR 4010	Architecture Design Studio 4	9
Elective		3
	Hours	**33**
	Total Hours	**66**

Interior Environments Option

Course	Title	Hours
Year 3		
EVIE 3002	Interior Design History and Theory 1	3
EVIE 3004	Materials, Assemblies and Detailing	3
EVIE 3006	Interior Design Media	3
EVIE 3008	Interior Design Studio 3.1	6
EVIE 3010	Interior Design Studio 3.2	6
EVIE 3012	Interior Light and Colour	3
EVIE 4006	Design Methods and Processes	3
EVIE 4008	Digital Media (AutoCAD)	3

Elective		3
	Hours	**33**
Year 4		
EVIE 3014	Human Factors and Environmental Experience	3
EVIE 4000	Interior Design History and Theory 2	3
EVIE 4002	Indoor Systems 1	3
EVIE 4004	Indoor Systems 2	3
EVIE 4010	Interior Design Studio 4.1	6
EVIE 4012	Interior Design Studio 4.2	6
EVIE 4014	Advanced Interior Design Media	3
Electives [1]		6
	Hours	**33**
	Total Hours	**66**

[1] Please note: All students in 4th Year IE Option must complete 6 credit hours of Elective courses. EVIE 3000 and/or EVIE 3016 can be used towards this requirement, if offered.

Landscape + Urbanism Option

Course	Title	Hours
Year 3		
EVLU 3000	History of Designed Environments	3
EVLU 3002	Site Planning	3
EVLU 3004	Ecology and Design 2	3
EVLU 3006	Studio 3: Dwelling/ Precinct/ Everyday Life	9
EVLU 3008	Studio 4: Networks and Infrastructure	9
EVLU 3010	Landscape and Urbanism Theory	3
EVLU 3012	Site Morphology and Grading	3
	Hours	**33**
Year 4		
EVLU 4000	Philosophy, Ethics and Aesthetics	3
One of the following:		3
EVLU 4002	Construction Materials [1,2]	
EVLU 4004	Inquiry by Environmental Design: Researching Space-Place Transformation [1]	
EVLU 4006	Special Topics in Community Design [1]	
EVLU 4008	Plants, Ecosystems and Design [1,2]	
EVLU 4010	Community Design Process and Method: Advanced Placemaking [1]	3
EVLU 4012	Studio 5: Possible Urbanism(s)	9
EVLU 4014	Studio 6: Emergent Futures	9
EVLU 4016	History of Landscape and Urbanism	3
EVLU 4018	Principles of Urban Design	3
	Hours	**33**
	Total Hours	**66**

[1] Students must complete at least 2 of these courses.

[2] Students progressing to the Master of Landscape Architecture at the University of Manitoba are required to take courses EVLU 4002 and EVLU 4008.

Electives

University credit courses may be taken as electives. They may come from the Faculties of Arts, Science, Engineering, Fine Arts, Management, Agricultural and Food Sciences among others, or with the permission of the Environmental Design Program Chair in special circumstances.