Bachelor of Arts in Environmental Design and Sustainability

This major explores how the process of design and the science of sustainability can be integrated to solve pressing environmental, social, and governance issues facing society today and in the future such as climate change and environmental justice. With a flexible and interdisciplinary curriculum, students gain education and skills to enter careers in a wide range of fields and professions, especially those focused on intersections between people and environment in urban built environments. The degree accommodates double majors allowing students to pursue a cross-disciplinary education.

1 Degree | 3 Areas of Concentration

All students in the major take foundational courses in design thinking, built environmental and sustainability history, visual representation, community engagement, and possible career paths. For advanced courses, students select an Area of Concentration based on their interests and career goals. Each concentration is organized around different knowledge and skills acquisition and includes courses in theory, methods, and application.

Environmental Design **Technologies**

Investigate applications of technologies and methods in sustainable design – geospatial analysis, lifecycle analysis, carbon budgeting, energy modelling, and fabrication using digital software.

Environmental Design **Practice**

Explore environmentally-conscious site design to create sustainable built environments through problem-framing, imaginative design approaches, and cultivating creative thinking for context-based issues.

Environmental Design **Equity**

Center equity, justice, and community engagement in environmental design that incorporates climate justice policy and advocacy and communication methods that integrate multiple points of view.

Admissions

Students in good academic standing may declare this major at any time. BA EDS accepts freshman direction admission. Freshman applicants who meet UW admissions criteria and who list Environmental Design and Sustainability as their first-choice major on the application are automatically enrolled. To declare the major, email landarchinfo@uw.edu and include "Declare EDS Major" in the subject line.

Courses and Requirements

General Education Requirements – 69 cr. min

*Writing and Diversity credits may be met by Areas of Inquiry or by BA EDS major courses.
No courses required for the BA EDS major may be applied towards the Areas of Inquiry.

Basic Skills – 9 cr. min	Areas of Inquiry – 60 cr. total
• English Composition (C) – 5 cr. • Reasoning (RSN)– 4 cr. • Additional Writing (W)* – 10 cr. • Diversity (DIV)* – 5 cr.	• Arts & Humanities (A&H) – 20 cr. • Social Sciences (SSc) – 20 cr. • Natural Sciences (NSc)– 20 cr.

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Major Requirements – 50 cr.

Minimum GPA Requirement: A 2.0 cumulative GPA across all courses applied to the major.

Core Foundation Courses – 22 credits

- L ARCH 210 – Environmental Design & Sustainability (5 cr) Aut
- L ARCH 211 – Design Justice (5 cr) Win
- L ARCH 212 – Designing the Future (5 cr) Spr
- L ARCH 300 – Introductory Landscape Architecture Design Studio (6 cr) Win, Sum
- L ARCH 370 – Professional Paths in Environmental Design & Sustainability (1 cr)

Historical Context Course – 5 credits

Choose one:

- L ARCH 352 – History of Landscape Architecture (5 cr) W Aut
- L ARCH 353 – History of Modern Landscape Architecture (5 cr) W Win
- L ARCH 454 – History of Urban Landscapes and Environments (5 cr) W

Area of Concentration Courses – 11 credits

Students select one concentration (Technologies, Practice, or Equity). Each requires a theory course, a methods course, and an application course.

Environmental Design Technologies

Theory: L ARCH 342 Design Technologies in Env. Design + Sustainability	(5 cr)	Aut
Methods: L ARCH 435 Sustainable Methods in Environmental Design	(3 cr)	Spr
Application: L ARCH 412 Landscape Representation	(3 cr)	Win

Environmental Design Practice

Theory: L ARCH 341 Site Design + Planning	(3 cr)	Aut
Methods: L ARCH 435 Sustainable Methods in Environmental Design	(3 cr)	Spr
Application: (students select one environmental design studio course)		
L ARCH 301 Environmental Design Studio I	(5 cr)	Aut
L ARCH 302 Environmental Design Studio II	(5 cr)	Win
L ARCH 303 Environmental Design Studio III	(5 cr)	Spr

Environmental Design Equity

Theory: L ARCH 361 Human Experience of Place	(3 cr)	Win
Methods: L ARCH 465 Practice of Community Engagement	(3 cr)	Aut
Application: L ARCH 303 Environmental Design Studio III	(5 cr)	Spr

Interdisciplinary Selectives – 12 credits

Students must complete 12 credits of approved interdisciplinary courses, with a minimum of 3 credits at the 300–400 level. Students may not use required courses to fulfill interdisciplinary selective credits. Although students may select any course from the list (see end of document) to fulfill degree requirements, recommended courses for each Area of Concentration are indicated with a **T** (technology), **P** (practice), or **E** (equity).

General Electives/Double Major/Minor(S) – 61 cr. min

The University of Washington requires a minimum of 180 academic credits to earn a Bachelor's degree. These remaining credits can be fulfilled with any courses taken at UW. You may also choose to pursue a double major or minor to guide your course selection. See next page for list of potential majors, concurrent degrees, and minors.

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Course Sequencing

The core and historical context courses are generally intended, but not required, to be taken prior to students selecting an area of concentration. Within the program, the only required course sequence is for the environmental design studio courses. Students must complete the introductory design studio course (L ARCH 300) prior to taking an advanced environmental design studio course (L ARCH 301, L ARCH 302, or L ARCH 303). Note: L ARCH 301, L ARCH 302, and L ARCH 303 are not sequential courses, rather each course has a different thematic focus within environmental design.

Continuation Policy

All students must make satisfactory academic progress in the major. In order to remain in good academic standing, students in the BA EDS degree must:

- earn a minimum 2.0 cumulative GPA for courses required for the major
- earn a minimum grade of 0.7 in each course required for the major
- maintain progress towards completing major degree requirements
- maintain good academic standing by the University

See Department website for the full policy including the process for reinstatement if dropped from the major.

Potential Double Majors

BA Architectural Design
BA Architectural Studies
BA Community Environment Planning
BA Environmental Studies
BA Earth and Space Sciences
BA Oceanography
BA Geography

Potential Concurrent Degrees

BS Construction Management
BS Real Estate
BS Environmental Science and Terrestrial Resource Management
BS Earth and Space Sciences
BS Aquatic and Fishery Sciences
BS Climate and Atmospheric Science
BS Oceanography
BS Environmental Public Health

Potential Minors

Minor Architecture Studies
Minor Construction Management
Minor Urban Design + Planning
Minor Environmental Studies
Minor Ecological Restoration
Minor Earth and Space Sciences
Minor Aquatic and Fishery Sciences
Minor Climate Science
Minor Oceanography
Minor Geography

List of Interdisciplinary Selectives

Students must complete 12 credits of approved interdisciplinary courses, with a minimum of 3 credits at the 300–400 level. Students may not use required courses to fulfill interdisciplinary selective credits. Although students may select any course from the list below to fulfill degree requirements, recommended courses for each Area of Concentration are indicated with a **T** (technology), **P** (practice), or **E** (equity). "*" indicates a required course for the Area of Concentration, course cannot fulfill interdisciplinary selective credits for that Area of Concentration.

	P		ARCH 200 Architectural Design and Representation I (5)
	P		ARCH 201 Architectural Design and Representation II (5)
	P		ARCH 231 Making and Craft (5)
			ARCH 410 Introduction to Architectural Photography (3/5)
	P		ARCH 431 Energy and Building (3-5)
T	P		ARCH 425 Life Cycle Assessment and Architecture (3)
			ARCH 442 Africa and Middle East Seminar (3)
			ARCH 445 South Asian Architecture I (3)
			ARCH 446 South Asian Architecture II (3)
			ARCH 452 History of Architecture in Seattle and Environs (3)
T			ARCH 487 Fundamentals of Building Information Modeling (3)
		E	ATM S 100 Climate, Justice, and Energy Solutions (5) DIV
	P		ATM S 111 Global Warming: Understanding the Issues (5)
	P		ATM S 211 Climate and Climate Change (5)
			B E 200 Introduction to Built Environments (3)
			B E 210 A Global History of the Built Environment I (5)
			B E 211 A Global History of the Built Environment II (5)
			B E 220 Cities, Health, and Well-Being (3)
	P	E	CEP 200 Introduction to Community and Environmental Planning (5)
	P		CM 220 Collaborative Communication for Built Environment Professions (5) SSc
	P		CM 250 Construction and Culture (5)
			CM 310 Introduction to the Construction Industry (3)
	P		CM 335 Sustainable Construction (3)
	P	E	ENV H 306 Health and Sustainability (3) DIV
		E	ENV H 445 Solid Waste Management (3)
		E	ENV H 475 Environmental Justice and Population Health (3) DIV
			ENVIR 239 Sustainability: Personal Choices, Broad Impacts (5)
		E	ENVIR 386 Environmental Justice Seminar (1, max. 2) DIV
			ENVIR 439 Attaining a Sustainable Society (5)
		E	ENVIR 460 Power, Privilege, and Preservation (5) DIV
	P		ENVIR 480 Sustainability Consulting Practicum (5)
T	P		ESRM 325 Application of Plants: Bioenergy and Bioremediation
	P		ESRM 331/BIOL 331 Landscape Plant Recognition (3)
	P		ESRM 362/ENVIR 362 Introduction to Restoration Ecology (5)
T	P		ESRM 430 Remote Sensing of the Environment (5)
T			ESRM 475 Life Cycle Assessment: Fundamentals and Bio-Based Applications (5)
T			GEOG 258 Digital Geographies (5)

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		E	GEOG 272 Geographies of Environmental Justice (5) SSc, DIV
T			GEOG 317 Geographic Information and Spatial Analysis (5)
T			GEOG 327 Critical Remote Sensing (5)
T			GEOG 328 Web-Based Geographic Information Systems (5)
		E	GEOG 342 Geography of Inequality (5) DIV
T			GEOG 360 GIS and Mapping (5)
	P*		L ARCH 301 Sustainable Site Design Studio (5 cr)
	P		L ARCH 302 Environmental Planning Design Studio (5 cr)
	P	E*	L ARCH 303 Equitable Communities Design Studio (5 cr)
	P		L ARCH 322 Introduction to Planting Design (3 cr)
	P*		L ARCH 341 Site Design + Planning (3 cr)
T*			L ARCH 342 Design Technologies in the Built Environment (5 cr)
		E*	L ARCH 361 Human Experience of Place (3 cr)
	P		L ARCH 363 Ecological Design + Planning (3 cr)
T*			L ARCH 412 Landscape Representation (3 cr)
	P		L ARCH 423 Plant ID + Management (3 cr)
	P		L ARCH 424 Planting Design Seminar (3 cr)
T*	P*		L ARCH 435 Sustainable Design Methods (3 cr)
		E*	L ARCH 465 Practice of Community Engagement (3 cr)
			L ARCH 476 Internship (1-6 cr)
			L ARCH 491 Landscape Architecture History - Study Abroad
			L ARCH 498 Special Topics in Landscape Architecture
			R E 250 Introduction to Real Estate (3)
	P		R E 418 Best Practices in Sustainable Real Estate (3) NSc
	P		R E 459 Risk and Reward in Sustainable Development (3) SSc
	P		URBAN 300 Introduction to Urban Planning (5) SSc
	P		URBAN 370 Reading the City (5) A&H/SSc
T	P		URBAN 404 Introduction to Geographic Information Systems (3)
T			URBAN 422 Urban and Regional Geospatial Analysis (5)
	P		URBAN 423 Introduction to Urban Design (3) A&H/SSc
	P		URBAN 424 Site Planning: Issues and Techniques (3)
T			URBAN 467 Urban Planning Uses of Remote Sensing (3)
	P		URBAN 480 Planning as a Profession (1)