

SUSTAINABLE DESIGN, BS AND URBAN PLANNING, MUP

For the degrees of Bachelor of Science Major in Sustainable Design and Master of Urban Planning in Urban Planning

The five-year joint BSSD/MUP 4 + 1 program combines a B.S. in Sustainable Design with a M.U.P. in Urban Planning. Current University of Illinois at Urbana-Champaign undergraduate students enrolled in the Sustainable Design undergraduate major who have completed between 60 and 96 credit hours and maintain superior academic performance are eligible to apply for this program. Students admitted to the program will receive the B.S. degree after four years and the M.U.P. degree after one additional year.

Students interested in the BSSD/MUP 4 + 1 program will need to plan their schedules well in advance of their Junior year to ensure they have taken the appropriate course work. By judicious selection of general education courses and major electives in their sophomore and junior years, students will be prepared to apply to the 4+1 program in their junior year.

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For additional details and requirements refer to the Sustainable Design Department website (<https://faa.illinois.edu/bachelor-science-sustainable-design/>) and the Graduate College Handbook (<https://grad.illinois.edu/handbooks-policies/>).

Bachelor of Science in Sustainable Design degree requirements

Minimum hours for graduation is 120, to include a minimum of 40 hours of upper-division coursework generally at the 300- and 400-level. These hours can be drawn from all elements of the degree.

Code	Title	Hours
General Education Requirements		
	Composition I	4
	Advanced Composition (fulfilled by required course listed below)	3
	Humanities & the Arts (fulfilled by required courses listed below)	6
	Cultural Studies: Western/Comparative Culture(s)	3
	Cultural Studies: Non-Western Culture(s)	3
	Cultural Studies: US Minority Culture(s) (fulfilled by required course listed below)	3
	Natural Sciences and Technology	6
	Social and Behavioral Sciences (fulfilled by required courses listed below)	6
	Quantitative Reasoning I and II (fulfilled by required courses listed below)	6
	Language Other than English	0-12
	Total Hours (with Language requirement fulfilled, not counting UP/SD required courses)	16

Code	Title	Hours
Major Requirements		
Students should plan to complete all requirements prior to senior year, except for FAA 430 and FAA 431 which will be taken during senior year.		
FAA 101	Arts at Illinois	1
FAA 201	Black Arts Today (Gen Ed: Humanities & the Arts & U.S. Minority Cultures)	3
LA 101	Introduction to Landscape Arch	2
UP 136	Urban Sustainability (Gen Ed: Social/ Behavioral Sci)	3
ARCH 171	Concepts and Theories of Architectural Design	3
ARCH 172	Drawing and Modeling	3
ARTH 211	Design History Survey (Gen Ed: Humanities & the Arts)	3
ARTD 225	Design Drawing	3
or LA 280	Design Communications I	
FAA 230	Sustainable Design of the Built Environment	3
ARTD 451	Ethics of a Designer in a Global Economy	4
ARCH 321	Environment, Architecture, and Global Health	3
ARTD 326	Sustainability & Manufacturing	3
FAA 330	Making Sustainable Design	5
FAA 430	Capstone Seminar	3
FAA 431	Capstone Studio	5
Total Hours		47

Code	Title	Hours
Major Electives		
All 16 hours of major electives are met with the full completion of the requirements below.		
Code		
Title		
Hours		
UP Coursework taken prior to Senior Year		
Students who follow this program will be eligible for a minor in Urban Studies and Planning regardless of their admission to the 4+1 program		
UP 101	Introduction to City Planning	3
UP 116	Urban Informatics I (Gen Ed: Quant Reasoning I)	3
or STAT 100	Statistics	
UP 210	Environmental Economics (Gen Ed: Social/ Behavioral Sci)	3
or ECON 102	Microeconomic Principles	
or ACE 100	Introduction to Applied Microeconomics	
UP 203	Cities: Planning & Urban Life	3
or UP 204	Chicago: Planning & Urban Life	
UP 312	Communication for Planners (Gen Ed: Advanced Composition)	4
UP 316	Urban Informatics II (Gen Ed: Quant Reasoning II)	3
Pick one:		3-4
UP 405	Watershed Ecology and Planning	

UP 406	Urban Ecology
UP 418	GIS for Planners
UP 420	Plng for Historic Preservation
UP 430	Urban Transportation Planning
UP 434	Pedestrian and Bicycle Planning
UP 456	Sustainable Planning Workshop
UP 479	Community Engagement in Planning
UP 486	Planning with Climate Change
UP 494	Special Topics in Planning (section LB, Public Transportation Planning, or section SK Food Systems Planning)

One additional course at the 400 level in the Department of Urban & Regional Planning (may also pick an additional course from pick one list above)	3
Total	25

Code Title Hours

Senior Year Courses

A BSSD student admitted to the 4+1 program is expected to enroll in the first year MUP core courses in their senior year, although they are not yet admitted to the MUP program. Typically, a 4+1 student will take FAA 430 & FAA 431 (3 & 5 hours), as required by the BSSD program, plus at least four of the five first-year MUP core courses:

Select at least four courses from:	16-20
UP 501	Planning History and Theory
UP 503	Physical Planning
UP 504	Urban History and Theory
UP 505	Urban and Regional Analysis
UP 511	Law and Planning

Code Title Hours

Free Electives 12

Select approximately 12 credit hours with approval of advisor to complete degree requirements.

Master of Urban Planning in Urban Planning degree requirements

Code	Title	Hours
Complete any of the 500-level courses not completed in year four (UP 501, 503, 504, 505, 511)		0-4
UP 510	Plan Making	4
UP 591	Capstone Seminar (enrollment required for two terms- 0 hours each for Thesis students or 4 in fall, 0 in spring for Non-Thesis students)	0 or 4
UP 598 or UP 599	Master's Project (UP 598 for 4 total hours or UP 599 for 8 total hours) Thesis Research	4 or 8

Once admitted to the MUP program, a 4+1 student must take 32 hours of graduate courses, 20 of which must be UP courses. These courses include the capstone requirement and master's project or thesis. Up to two MUP core courses may be included among the 32 hours. The 32 hours of graduate courses is a minimum requirement for the MUP degree; it cannot be reduced by UP 590 internship or course waivers.

Minimum GPA:	3.0
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Summary of Credits for the Joint BSSD/MUP Program

Code	Title	Hours
BS in Sustainable Design		120
General Education		16
Major Requirements		47
Major Electives		0
Additional UP Course Requirements		25
Senior Year Graduate Courses		20
Free Electives		12
A minimum of 40 credits at the 300 or 400 course level are required.		
MUP in Urban Planning		32
A minimum of 16 credits at the 500 course level are required, 12 must be in UP.		

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Sample Sequence

This sample sequence is intended to be used only as a guide for degree completion. All students should work individually with their academic advisors to decide the actual course selection and sequence that works best for them based on their academic preparation and goals. Enrichment programming such as study abroad, minors, internships, and so on may impact the structure of this plan. Course availability is not guaranteed during the semester indicated in the sample sequence.

Students must fulfill their Language Other Than English requirement by successfully completing a third level of a language other than English. This may require up to three semesters of language depending on high school coursework or placement. For more information, see the corresponding section on the Degree and General Education Requirements page (<http://catalog.illinois.edu/general-information/degree-general-education-requirements/>).

First Year

First Semester	Hours	Second Semester	Hours
FAA 101		1 UP 136	3
UP 101		3 UP 116	3
LA 101		2 UP 203	3
ARCH 171		3 ARCH 172	3
Composition I or Language Other than English (3rd level)		4 Composition I or Language Other than English (3rd level)	4
Free Electives	2		
	15		16

Second Year

First Semester	Hours	Second Semester	Hours
FAA 230		3 FAA 330	5
ARTD 225 or LA 280		3 UP 316	3
ECON 102		3 ARTH 211	3
FAA 201		3 Gen Ed: Natural Science & Technology	3
Gen Ed: NW Cultural Studies		3	
		15	14

Third Year

First Semester	Hours	Second Semester	Hours
UP 312		4 ARTD 326	3
ARTD 451		4 UP 4xx	3
ARCH 321		3 Gen Ed: Natural Science & Technology	3
UP 4xx		3 Gen Ed: Western Cultural Studies	3
Free Elective		1 Free Elective	3
		15	15

Fourth Year

First Semester	Hours	Second Semester	Hours
FAA 430		3 FAA 431	5
UP 501		4 UP 505	4
UP 503		4 UP 511	4
UP 504		4 Free Elective	2
		15	15

Fifth Year

First Semester	Hours	Second Semester	Hours
UP 510		4 UP 599 or 598	0 or 4
UP 591		0 or 4 UP 591	0
UP 598 or 599		4 Other graduate coursework	12
Other graduate coursework		8	
		20	12

Total Hours 152

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Bachelor of Science in Sustainable Design:

The Student Learning objectives (SLO) are:

1. Students will have a deep level of understanding of the fundamentals of sustainability and their functional links to the built environment.
2. Students will have a deep level of understanding of the fundamentals of design thinking and practice.
3. Students will be proficient in applying basic principles of visual and material communication, including sketching, drafting, model-making, 2-d and 3-d design software and geographic information systems.

4. Students will be able to combine design theory and practice with sustainability principles to address environmental issues at the product, building, neighborhood, city, landscape and global levels.
5. Students will be comfortable working in multidisciplinary teams to solve complex design problems.

Master of Urban Planning:

Students who complete a degree in the Department of Urban and Regional Planning will be able to:

1. Identify and understand the planners' role in:
 - a. advocating for racial and economic equity;
 - b. planning for the needs of disadvantaged groups;
 - c. expanding choice and opportunity;
 - d. reducing inequities through critical evaluation of systems and institutions;
 - e. planning for sustainable communities;
 - f. reducing impacts of climate change; and
 - g. creating equitable and climate-adapted futures.
2. Demonstrate planning proficiency in a global context in the areas of:
 - a. history, theory, law and institutions;
 - b. the evolution of the practice of planning; and
 - c. urban and regional development.
3. Build and put into practice a set of skills that are central to the planning profession, including skills specific to:
 - a. communication, community engagement, and the planning process;
 - b. research and critical thinking;
 - c. mapping and data visualization; and
 - d. data collection and analysis, and data analytics.
4. Illustrate professional leadership values including collaborative skills and ethical behavior in research, client representation and decision-making.
 1. a. Quantitative and Qualitative Methods
 - b. Plan Creation and Implementation
 - c. Planning Process Methods
 - d. Leadership
2. Values and ethics
 - a. Professional Ethics and Responsibility
 - b. Governance and Participation
 - c. Sustainability and Environmental Quality
 - d. Growth and Development
 - e. Social Justice

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Sustainable Design Department website (<https://faa.illinois.edu/bachelor-science-sustainable-design/>)
Sustainable Design faculty (<https://faa.illinois.edu/units/sustainable-design/program-staff-faculty/>)

Master of Urban Planning department website (<https://urban.illinois.edu>)
Urban & Regional Planning faculty (<https://urban.illinois.edu/people/meet-our-faculty/>)

Fine & Applied Arts catalog page (<http://catalog.illinois.edu/schools/faa/>)

Fine & Applied Arts website (<https://www.faa.illinois.edu/>)