

SUSTAINABLE URBAN DEVELOPMENT (MA)

Cities across the world face many questions about their urban future:

- How can urban communities be made more sustainable?
- How can low carbon urban transitions be equitable?
- What should cities do with old industrial sites?
- Can urban transportation networks modernize?
- Where should cities invest their economic development dollars?
- What is the role for community organizations in these debates?

These questions are at the center of the Master of Arts in Sustainable Urban Development (MASUD). With classes in Chicago's Loop and Lincoln Park campuses, this 13-course (52 credit hour) interdisciplinary graduate program integrates academics with practical learning. Instructors draw on the city's resources and incorporate expert guest speakers, site visits, and industry-standard Geographic Information Systems (GIS) digital mapping and spatial analysis technology. A genuinely interdisciplinary program that incorporates perspectives from fields such as Urban Planning, Public Policy, Geography, Sociology, Public Service Management, Environmental Studies and Real Estate, the MASUD introduces students to sustainable urban development policy, data collection and analysis, planning processes, strategies for implementation, modes of communication, and evaluation mechanisms. The first year of study provides a theoretical background as well as an introduction to the technologies used in urban development and planning. The second year of the curriculum is dedicated to teaching advanced courses and completing a required internship and a capstone/ portfolio component.

The MA in Sustainable Urban Development may also be expanded to include select graduate certificate programs covering particular areas of interest. Students participating in a combined MA/certificate program should consult with their academic advisor to determine what coursework might count toward both programs. A separate application process for the certificate is required. Students who are interested in any of the following combination programs should contact the Graduate Student Services Office for additional information.

- Sustainable Urban Development + Graduate GIS Certificate
- Sustainable Urban Development + Community Development Certificate
- Sustainable Urban Development + Global Health Certificate
- Sustainable Urban Development + Metropolitan Planning and Development Certificate
- Sustainable Urban Development + Sustainable Urban Food Systems Certificate
- Sustainable Urban Development + Social Research Certificate

Program Requirements	Quarter Hours
Degree Requirements	52
Total hours required	52

Learning Outcomes

Students will be able to:

- Identify and describe the practical and theoretical links between sustainable urban development and issues of economic development, community development, social justice and the environment.
- Articulate details and apply critical insights about strategies being used to transform U.S. urban areas to make them more environmentally, economically, and socially sustainable.
- Define and describe contemporary urban issues and debates by citing and critiquing contemporary scholars and through employing either qualitative or quantitative methodologies using either primary (including fieldwork) or secondary sources.
- Articulate, research, and present publicly an assessment of critical social, environmental, and economic issues facing contemporary U.S. cities.
- Use with competence geographical information systems and/or other technology to assess and analyze sustainable urban development and design.

Degree Requirements

Course Requirements

Students complete 13 courses (52 credit hours).

Required Core (5 courses)

Course	Title	Quarter Hours
SUD 401	SUSTAINABLE URBAN DEVELOPMENT I: PLANNING, POLICY & COMMUNITY DEVELOPMENT	4
SUD 402	SUSTAINABLE URBAN DEVELOPMENT II: APPLIED ANALYSIS OF URBAN ENVIRONMENTAL POLICY	4
SUD 404	URBAN DESIGN LABORATORY	4
SUD 501	PROFESSIONAL SEMINAR IN SUSTAINABLE URBAN DEVELOPMENT	4
SUD 502	CAPSTONE - PROFESSIONAL PORTFOLIO	4

Interdisciplinary Requirements (5 courses)

Geography

Course	Title	Quarter Hours
GEO 441	GEOGRAPHIC INFORMATION SYSTEMS (GIS) FOR COMMUNITY DEVELOPMENT	4
GEO 442	GEOGRAPHICAL INFORMATION SYSTEMS (GIS) FOR SUSTAINABLE URBAN DEVELOPMENT	4

Public Service

Course	Title	Quarter Hours
Select two of the following:		8
MPS 511	SUSTAINABLE INTERNATIONAL DEVELOPMENT	
MPS 526	LOCAL GOVERNMENT ADMINISTRATION	
MPS 541	ECONOMIC FOUNDATIONS OF PUBLIC SERVICE	
MPS 571	METROPOLITAN PLANNING	
MPS 572	POVERTY, INEQUALITY AND PUBLIC POLICY	

MPS 573	HOUSING AND COMMUNITY DEVELOPMENT
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Statistics

Course	Title	Quarter Hours
Select one of the following:		4
SOC 402	STATISTICS FOR THE SOCIAL SCIENCES	
MPS 533	APPLIED STATISTICS FOR PUBLIC SERVICE (USING EXCEL)	
MPS 536	APPLIED STATISTICS FOR PUBLIC SERVICE (USING SPSS)	
GEO 491	STATISTICAL DATA ANALYSIS FOR GIS	
IT 403	STATISTICS AND DATA ANALYSIS	
MAT 448	STATISTICAL METHODS USING SAS	

Electives (3 courses)

Course	Title	Quarter Hours
Select three of the following:		12
ENV 402	URBAN ECOLOGY	
ENV 506	SUSTAINABILITY SCIENCE: ENVIRONMENTAL LIMITS, HUMAN NEEDS, & SYSTEMS THINKING	
GEO 445	PROGRAMMING IN PYTHON FOR GIS	
GEO 446	GIS ANALYSIS OF ENVIRONMENTAL AND PUBLIC HEALTH	
GEO 447	WEB GIS AND SPATIAL DATA VISUALIZATION ON THE WEB	
GEO 448	SPATIAL DATA SCIENCE	
GEO 491	STATISTICAL DATA ANALYSIS FOR GIS	
INT 408	NATURE, SOCIETY, AND POWER	
MLS 404	THE CITY	
MGT 512	DEVELOPING SUSTAINABLE STRATEGIES (FORMERLY GSB 595)	
MPH 557	ENVIRONMENTAL EPIDEMIOLOGY	
MPS 511	SUSTAINABLE INTERNATIONAL DEVELOPMENT (if not taken as an Interdisciplinary Requirement)	
MPS 526	LOCAL GOVERNMENT ADMINISTRATION (if not taken as an Interdisciplinary Requirement)	
MPS 541	ECONOMIC FOUNDATIONS OF PUBLIC SERVICE (if not taken as an Interdisciplinary Requirement)	
MPS 542	POLICY DESIGN AND ANALYSIS	
MPS 546	ADVOCACY AND LOBBYING	
MPS 571	METROPOLITAN PLANNING (if not taken as an Interdisciplinary Requirement)	
MPS 572	POVERTY, INEQUALITY AND PUBLIC POLICY (if not taken as an Interdisciplinary Requirement)	
MPS 573	HOUSING AND COMMUNITY DEVELOPMENT (if not taken as an Interdisciplinary Requirement)	
MPS 576	ENERGY POLICY AND THE ENVIRONMENT	

MPS 577	ENVIRONMENTAL CONFLICTS AND MEDIATED SOLUTIONS
MPS 578	URBAN RESILIENCE AND CLIMATE ADAPTATION POLICY
MPS 579	SUSTAINABLE DEVELOPMENT POLICY AND INTERNATIONAL INSTITUTIONS
RE 525	PROJECT MANAGEMENT: DESIGN AND CONSTRUCTION
RE 798	SPECIAL TOPICS (Sustainability & the Built Environment)
SOC 412	DATA ANALYSIS (if not taken as an Interdisciplinary Requirement)
SOC 426	URBAN DEVELOPMENT POLICIES
SOC 495	SPECIAL TOPICS IN SOCIOLOGY
SUD 403	BROWNFIELDS REDEVELOPMENT: PRACTICE AND IMPLEMENTATION
SUD 420	SUSTAINABLE URBAN FOOD SYSTEMS
SUD 430	SUSTAINABLE URBAN TRANSPORTATION
SUD 433	URBAN PLANNING
SUD 451	SUSTAINABLE CITIES AND FOOD JUSTICE
SUD 490	SPECIAL TOPICS
SUD 499	INDEPENDENT STUDY
WRD 521	TECHNICAL WRITING
WRD 526	GRANT AND PROPOSAL WRITING

Other courses may be taken as electives, with advisor approval.

Non-Credit Courses

Course	Title	Quarter Hours
SUD 600	CANDIDACY CONTINUATION	0
SUD 601	CANDIDACY MAINTENANCE	0