

# COMMUNICATION AND URBAN SUSTAINABILITY (PH.D. DUAL-TITLE)

Students admitted to the Ph.D. program in Communication can apply to earn a Ph.D. in Communication with a dual title in Urban Sustainability. This dual title degree is designed to prepare researchers and professionals to solve challenging urban problems that require working across disciplines. Students enrolled in this dual title program will take courses in topics and develop specific skills relating to urban sustainability across several departments. Students in the program will also undertake activities such as community service, participate in colloquiums, and prepare a funding proposal related to urban sustainability. The dual-title coursework follows competencies outlined by the Transformative Research in Urban Sustainability Training program.

## Admission Requirements

Applicants must meet the admissions standards of the Graduate School (<http://bulletins.wayne.edu/graduate/general-information/admission/>) and the Department of Communication and be first offered admission to the Communication doctoral program.

## Program Requirements

Students in the Communication and Urban Sustainability dual-title program are required to take eight core classes, at least three research methods/tools courses, and two electives from a list of elective courses (one of which must be from outside the Department of Communication).

Code	Title	Credits
<b>Core Courses</b>		
ANT 5060	Urban Anthropology	
BIO 7310	Sustainability of Urban Environmental Systems	
CE 5410	Energy, Emissions, Environment (E3) Design	
COM 7170	Health and Risk Communication	
COM 7810	Seminar in Communication Education	
COM 8000	Introduction to PhD Studies	
GS 0900	Essential Research Practices: Responsible Conduct of Research	
UP 6470	Environmental Planning	
<b>Methods/Tools Courses</b>		
Three research methods courses. It is expected that students will bring at least two additional research methods courses from their M.A. coursework.		
<b>Elective Courses</b>		
ANT 5565	Urban Archaeology	
ANT 6570	Archaeological Laboratory Analysis	
BIO 5040	Biometry	
BIO 5180	Field Investigations in Biological Sciences	
BIO 6420	Ecotoxicology and Risk Assessment	
BIO 7011/ PHC 7410	Principles of Toxicology	
CE 6270	Sustainability Assessment and Management	
CE/PSC 6910	Pharmaceutical Waste: Environmental Impact and Management	
CE 7280	Applied Environmental Microbiology	
CE 7995	Special Topics in Civil Engineering II <sup>1</sup>	
COM 6140	Public Relations Theory	

COM 6250	Organizational Communication
COM 7160	Crisis Communication
ECO 6200	Advanced Regulation and Regulated Industries
ECO 6800	Advanced Urban and Regional Economics
FPH 7420	Principles of Environmental Health
ESG 5000	Geological Site Assessment
ESG 5510	Environmental Fate and Transport of Pollutants
ESG 5610	Special Topics in Environmental Science and Geology
ESG 5650	Applied Geologic Mapping
LEX 7231	Environmental Law
SOC 6750	Sociology of Urban Health
SOC 7200	Advanced Survey of Approaches and Techniques of Social Research
SOC 8802	Topics in Urban Sociology
SOC 8805	Sociology of Urban and Labor Studies
UP 5110	Urban Planning Process
UP 5430	Cities and Food
UP 6120	Planning Studies and Methods
UP 6260	Land Use Policy and Planning
UP 6700	Geographic Information Systems

<sup>1</sup> In order to satisfy the elective requirement, the topic area must be relevant to the program. Students should consult with their advisor for details.