

College of Architecture and Urban Studies

School of Public and International Affairs (SPIA)

Bachelor of Arts in Public and Urban Affairs (PUA)

Major – Smart and Sustainable Cities (SSC)

For student date of entry under UG Catalog 2021-2022

I. Pathways	45 Credit Hours
II. PUA Degree Core	26 Credit Hours
III. SSC Major	21 Credit Hours
IV. Free Electives	28 Credit Hours
Total Required for Smart and Sustainable Cities Major	120 Credit Hours

Departmental Policies

Hours Requirement: A total of 120 hours is required to graduate with a PUA degree. Forty-seven (47) credit hours are required to complete the Smart and Sustainable Cities (SSC) major (Section II + Section III).

In-major GPA: All of the courses in sections II and III are included in the in-major GPA calculation. A GPA of 2.0 or above both overall and in-major GPA is required for graduation.

Satisfactory Progress: To make satisfactory progress within the SSC major, students must complete UAP 1024, PSCI 1014, STAT 3604, and SPIA 2244 by the end of the semester in which 60 hours have been attempted; and maintain an in-major GPA of 2.0. **Dual Use of**

Courses: No course can double count within or between SPIA-related majors or minors with the exception of the PUA Core Degree Requirements (Section II below). In accordance with university guidelines, courses satisfying degree core requirements may not be used to satisfy other areas of a degree (e.g. Pathways).

Intra-SPIA Program majoring and minor: Students may pursue more than one major or minor associated with the School of Public and International Affairs Program. In this case, the policy pertaining to the “Dual Use of Courses” will apply.

Prerequisites: Some courses listed on this checklist have prerequisites. Be sure to consult the University Catalog and/or check with your advisor regarding course planning.

I. Pathways Requirements (45 credit hours)

Pathway 1- Discourse (9 credits)

ENGL 1105, ENGL 1106, and 3 credit hours from 1a

- ENGL 1105
- ENGL 1106
- Advanced/Applied

Pathway 2- Critical Thinking in Humanities (6 credits)

3 credit hours must be from either:

PHIL 1304 or

PHIL 2304

- _____
- _____

Pathway 3- Reasoning in the Social Sciences (6 credits)

Students must take: ECON 2005 and 2006 or

AAEC 1005 and 1006

- _____
- _____

Pathway 4- Reasoning in the Natural Sciences (6 credits)

No Labs are required

- _____
- _____

Pathway 5- Quantitative and Computational Thinking (9 credits)

MATH 1014 (covers 5f), 3 additional credits from 5f, and SPIA 4464 (covers 5a)

- MATH 1014
- _____
- SPIA 4464

Pathway 6- Critique and Practice in the Design and Arts (6 credits)

3 credit hours in 6a and 3 credit hours in 6d

- _____

Pathway 7- Critical Analysis of Identity and Equity in the U.S. (3 credits)

Students must take SPIA 2554

- SPIA 2554

II. PUA Core Degree Requirements (26 Credit Hours)

Required PUA Degree Core Courses (26 credit hours)

- UAP 1004 Intro to Careers in Urban Affairs and Planning (1)
- UAP 1024 Public Issues in an Urban Society (3)
- PSCI 1014 Introduction to US Government and Politics (3)
- STAT 3604 Statistics for the Social Sciences (3) (pre. MATH 1014 or MATH 1015)
- SPIA 3554 Transdisciplinary Problem Solving for Social Issues (3)
- UAP 3714 The U.S. Policy Process (3) (cross-listed with PSCI 3714, pre. PSCI 1014)
- UAP 3744 Public Policy Analysis (3) (cross-listed with PSCI 3744, pre. PSCI 1014)
- UAP 4754 Legal Foundations of Planning (3)
- UAP 4914 Seminar in Public and Urban Affairs (3) (pre. SPIA 2554, SPIA 3554, and UAP 4754)
- SPIA 2114 Public Service Leadership (1)

III. Requirements for the SSC Major (21 Credit Hours)

Required Core Courses for the SSC Major (12 credit hours)

- SPIA 2244 Sustainable Urbanization (3) (cross-listed with GEOG 2244)
- SPIA 2005 Introduction to Urban Analytics (1)
- SPIA 2006 Introduction to Urban Analytics (1)
- SPIA 2104 Urban Analytics for Decision-Making (1)
- UAP 3024 Urban and Regional Analysis (3)
- SPIA 4454 Future of Cities (3) (pre. SPIA 2244 or GEOG 2244)

Required Elective Courses for the SSC Major (9 credit hours)

Nine (9) hours of elective courses are required.

- _____ (3) _____ (3) _____ (3)

Urban Policy and Decision-Making

- UAP 3014 Urban Policy and Planning (pre. UAP 1024)
- UAP 3264 Contemporary Urban Issues (pre. Junior Standing)
- UAP 4344 Law of Critical Environmental Areas
- UAP 4374 Land Use and Environment: Planning and Policy (pre. Junior Standing)
- UAP 4394 Community Renewable Energy Systems (pre. MATH 1025 or MATH 1016)
- UAP 4854 Planning the Urban Infrastructure (pre. UAP 4754)
- UAP 4624 Washington Sem: Seminar in American Politics and Public Policy (cross-listed with PSCI 4624, pre. Junior Standing)
- UAP 4644 Washington Sem: Politics, Policy, and Administration in a Democracy (cross-listed with PSCI 4644, pre. UAP 3714)
- UAP 4964 Field Study
- SPIA 4964 Field Study
- SPIA 2314 Active Transportation for a Healthy, Sustainable Planet (cross-listed with HNFE 2314)
- HD 3024 Community Analytics
- PSCI 3424 State and Local Government (pre. PSCI 1014)
- PSCI 3434 Urban Politics (pre. PSCI 1014)

GIS/Data

- GEOG 2084 Principles of Geographic Information Systems
- GEOG 4084 Modeling with GIS (cross-listed with GEOS 4084, pre: GEOG 2084 and Senior Standing)
- CS 1064 Introduction to Programming in Python
- LAR 3044 Land Analysis and Site Planning (pre. LAR 1004)

Cities, Culture, and Place

- LAR 2254 Social and Cultural Landscapes
- LAR 3264 People, Community, and Place (pre: LAR 2254)
- LAR 4034 Evolution of the American Landscape
- FREC 2134 Plants and Greenspaces in Urban Communities (cross-listed with HORT 2134)
- FREC 4454 Urban and Community Forestry (pre. Junior Standing)
- GEOG 3244 US Cities (pre. Junior Standing)
- HIST 3156 History of American Cities
- RED 4464 Environmental and Sustainability Issues in Housing
- SBIO 3324 Green Building Systems

Economics

- UAP 2004 Principles of Real Estate (cross-listed with REAL 2004)
- ECON 3024 Economic Justice (pre. ECON 2005 & ECON 2006)
- ECON 4014 Environmental Economics (pre. ECON 2005 or 2116 or 2126 or 2025H)
- AAEC 3324 Environmental and Sustainable Development Economics (pre. AAEC 1005 or ECON 2005)

International

- PSCI 3344 Global Environmental Issues (cross-listed with UAP 3344)
- UAP 3954 Study Abroad
- UAP 4764 International Development Policy and Planning (cross-listed with SOC 4764 & GEOG 4764, pre. Junior Standing)

IV. Free Electives (minimum of 28 credit hours)

Free electives make up the remainder of the credits for the Environmental Policy and Planning major. Take as many as needed to reach 120 credits.

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University and Admissions Foreign Language Requirement (No Credits Count Toward the Degree)

- 2 years of a single foreign, classical, or sign language in high school.
OR complete FL 1105-1106 (these credits will not count toward the 120 required for graduation).