

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 students graduating in calendar year 2022 &

For student date of entry under UG Catalog 2020-2021

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 (overall and in-major) is required for graduation.

Satisfactory Progress: To make satisfactory progress within the SSC major, students must complete UAP 1024, PSCI 1014, SPIA 2114, 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 minoring: 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 checksheet 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 1105-1106 First-Year Writing (1f)

3 credit hours from 1a

ENGL 1105

ENGL 1106

Pathway 2- Critical Thinking in the Humanities (6 credits)

3 credit hours must be from either:

PHIL 1304 Morality and Justice or PHIL 2304 Global Ethics

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

ECON 2005-2006 Principles of Economics or

AAEC 1005-1006 Economics of the Food and Fiber System

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

No Labs are required

Pathway 5- Quantitative and Computational Thinking (9 credits)

MATH 1014 Precalculus with Transcendental Functions (5f), 3 additional credit hours from 5f, and SPIA 4464 Data and the Art of Policy-Making and Planning (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)

SPIA 2554 Collaborative Policy-Making and Planning

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)
- SPIA 2114 Public Service Leadership (1)
- STAT 3604 Statistics for Social Science (3) (pre: MATH 1004 or MATH 1025 or MATH 1225 or MATH 1524 or MATH 1525)
- 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) (pre: Junior Standing)
- UAP 4914 Seminar in Public and Urban Affairs (3) (pre: SPIA 2554, SPIA 3554, and UAP 4754)

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)

Choose nine (9) credit hours from the elective courses listed below. All courses listed below are 3 credit hours.

- _____ (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 and Junior Standing)

- SPIA 4964 Field Study
- SPIA 2314 Active Transportation for a Healthy, Sustainable Planet (cross-listed with HNFE 2314)
- HD 3024 Community Analytics (pre: Sophomore Standing)
- PSCI 3424 State and Local Government (pre: PSCI 1014)
- PSCI 3434 Urban Politics (pre: PSCI 1014)
- UAP 4964 Field Study

GIS/Data

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

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)
- GEOG 3244 The U.S. City (pre: Junior Standing)
- HIST 3156 History of American Cities

Economics

- UAP 2004 Principles of Real Estate (cross-listed with REAL 2004)
- ECON 3024 Economic Justice (pre: 2005 or 2025H), (2006 or 2026H))
- ECON 4014 Environmental Economics (pre: 2005 or 2116 or 2126 or 2025H)
- AAEC 3324 Environment and Sustainable Development Economics (pre: 1005, 1006, or ECON 2005)

International

- 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 Smart and Sustainable Cities 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).