I. Pathways Requirements (45 credit hours)

Pathway 1- Discourse (9 credits)
ENGL 1105-1106 First-Year Writing (1f)
3 credit hours from 1a

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)

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

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)

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**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.

☐ ________ (___CR)  ☐ ________ (___CR)  ☐ ________ (___CR)
☐ ________ (___CR)  ☐ ________ (___CR)  ☐ ________ (___CR)
☐ ________ (___CR)  ☐ ________ (___CR)  ☐ ________ (___CR)

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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).*