

**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)  
Checksheet for Students Graduating in Calendar Year 2020

I. Core Degree Requirements	29 Credit Hours
II. Requirements for SSC Major	24 Credit Hours
III. Curriculum for Liberal Education	36 Credit Hours
IV. Free Electives	31 Credit Hours
<b>Total Required for Environmental Policy and Planning Major</b>	<b>120 Credit Hours</b>

**Departmental Policies**

**Hours Requirement:** A total of 120 hours is required to graduate with a PUA degree of which there are fifty-three (53) required hours for the Smart and Sustainable Cities major (PUA Core + SSC major core).

**In-major GPA:** All of the courses in sections I and II 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 proceed satisfactorily toward a degree, a student must complete UAP 1024, PSCI 1014, SPIA 2114, STAT 3604, SPIA 2005, SPIA 2006, and SPIA 2104 by the end of the semester in which 60 hours have been attempted; and maintain an in-major GPA of 2.0 or above.

**Dual Use of Courses:** No course can double count within or between SPIA-related majors or minors with the exception of the Core Degree Requirements (Section I below).

**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.

**I. PUA Core Degree Requirements (29 Credit Hours)**

**Required PUA Degree Core Courses (29 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)
- ☐ SPIA 2554 Collaborative Policy-Making & Planning (3)
- ☐ STAT 3604 Statistics for the Social Sciences (3) (pre. MATH 1015 or 1014)
- ☐ 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)

**II. Requirements for the SSC Major (24 Credit Hours)**

**Required Core Courses for the SSC Major (15 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)
- ☐ SPIA 4464 Data and the Art of Policy-Making and Planning (3)

**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)
- SPIA 4964 Field Study
- PSCI 3424 State and Local Government (pre. PSCI 1014)
- PSCI 3434 Urban Politics (pre. PSCI 1014)
- SPIA 2314 Active Transportation for a Healthy, Sustainable Planet (cross-listed with HNFE 2314)
- SPIA 4964 Field Study

**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)
- GEOG 3244 US Cities (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. 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**

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



### III. CURRICULUM FOR LIBERAL EDUCATION (CLE) Requirements (34-36 Credit Hours)

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|--|--|
| <p><b>Area 1 Writing and Discourse (6 credits)</b></p>   | <input type="checkbox"/> ENGL 1105<br><input type="checkbox"/> ENGL 1106 |
| <p><b>Area 2 Ideas, Cultural Traditions, and Values (6 credits)</b><br/>         3 credit hours must be from either:<br/>         PHIL 1304 or<br/>         PHIL 2304</p>                            | <input type="checkbox"/> _____<br><input type="checkbox"/> _____         |
| <p><b>Area 3 Society and Human Behavior (6 credits)</b><br/>         ECON 2005 and 2006 or<br/>         AAEC 1005 and 1006</p>   | <input type="checkbox"/> _____<br><input type="checkbox"/> _____         |
| <p><b>Area 4 Scientific Reasoning and Discovery (6 credits)</b><br/> <i>Complete any Area 4 lecture sequence.</i><br/> <i>No Labs are required</i></p>   | <input type="checkbox"/> _____<br><input type="checkbox"/> _____         |
| <p><b>Area 5 Quantitative and Symbolic Reasoning (6 credits)</b><br/>         MATH 1014 and one additional 3 credit Area 5 course<br/>         STAT 3604 cannot be used to meet this requirement</p> | <input type="checkbox"/> MATH 1014<br><input type="checkbox"/> _____     |
| <p><b>Area 6 Creative and Aesthetic Experience (1-3 credits)</b></p>   | <input type="checkbox"/> _____   |
| <p><b>Area 7 Critical Issues in a Global Context (3 credits)</b></p>   | <input type="checkbox"/> UAP 3344  |

*The full list of approved courses for each area above can be found in the "Curriculum for Liberal Education Guide" on the Provost's Office web page ([www.provost.vt.edu](http://www.provost.vt.edu)).*

### IV. Free Electives (minimum of 31 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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|---|---|---|
| <input type="checkbox"/> _____ (___ CR) | <input type="checkbox"/> _____ (___ CR) | <input type="checkbox"/> _____ (___ CR) |
| <input type="checkbox"/> _____ (___ CR) | <input type="checkbox"/> _____ (___ CR) | <input type="checkbox"/> _____ (___ CR) |
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### University and Admissions Foreign Language Requirement (No Credits Count Toward the Degree)

Complete one of the following options

- ☐ 2 years of a single foreign, classical, or sign language in high school.
- OR**
- ☐ Complete FL 1105-1106 or the equivalent in college (these 6 hours do not count toward the 120 required for graduation)