# Minor in Civic Analytics

Students must complete 15 semester hours as outlined below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPOL 105</td>
<td>Programming and Data Analysis for Public Policy I</td>
<td>3</td>
</tr>
<tr>
<td>PPOL 210 or PPOL 300</td>
<td>Introduction to Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>PPOL 220</td>
<td>Introduction to Civic Technology</td>
<td>3</td>
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## Electives

Select at least 6 hours from the following courses:

- PPOL 205: Programming and Data Analysis for Public Policy II
- PPOL 210: Introduction to Public Policy
- PPOL 212: Evidence-Based Public Policy
- PPOL 296: Special Topics in Public Policy
- PPOL 300: Urban Policy and Metropolitan Governance
- PPOL 303: Policy Implementation and Management
- PPOL 307: Policy Analysis III: Identifying and Developing Alternatives
- PPOL 396: Special Topics in Public Policy
- PPOL 405: Evaluating Public Policies and Programs
- UPP 405: Researching the City
- UPP 458: Introduction to Geospatial Analysis and Visualization I
- UPP 459: Introduction to Geospatial Analysis and Visualization II
- UPP 460: Introduction to Geospatial Analysis and Visualization
- UPP 465: Topics in Geospatial Analysis and Visualization
- US 208: Mapping the Urban: Cartography and its Alternatives
- US 250: Analyzing the City
- US 261: Mapping, Data, and Geographic Information Systems
- US 304: Visualizing the City: Methods and Tools for Representing the City
- US 361: Introduction to Geographic Information Systems

**Total Hours** 15

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*a When students complete both PPOL 210 and PPOL 300, PPOL 300 may be applied as an elective.

*b Prerequisites: Admission to the BA in Public Policy or BA in Urban Studies and college-level Microeconomics; or consent of the instructor.

*c Prerequisites: PPOL 210 and admission to the BA in Public Policy or Urban Studies; or consent of the instructor.

*d Prerequisites: PPOL 210; and grade of C or better in ENGL 161.

*e Credit is not given for UPP 458 or UPP 459 if a student has credit in UPP 460. Extensive computer use required.

*f Prerequisites: Grade of B or better in UPP 458; and senior standing or above; or consent of the instructor.

*g Prerequisites: Junior standing or above; and approval of the department.

*h Prerequisites: Grade of B or better in UPP 460 or UPP 461; and appropriate score on the department placement test; and senior standing or above; and consent of the instructor.

*i Prerequisites: Grade of C or better in US 240; Grade of B or better in ECON 120; and junior standing or above; or consent of the instructor.