### MS-STEP Program Planning Worksheet (Revised 11/7/2022)

This worksheet is designed to help MS-STEP students plan their course schedules to meet all degree requirements. Students must meet eleven requirements (I – XI). Requirements I–VII require specific courses, whereas requirements VIII – XI may be met through different course options selected in consultation with your advisor. Courses from requirements I–IX total 29.5 credits. Students also enroll additional electives (requirement X) and complete a final paper (Plan A or C under requirement XI) to meet the 36-credit minimum of the degree.

#### Science, Technology, and Environmental Policy Courses (9 credits)

<table>
<thead>
<tr>
<th>Course Options</th>
<th>Course Title</th>
<th>Cr</th>
<th>Term</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>PA 5711 Science, Technology, and Environmental Policy</td>
<td>3</td>
<td>F</td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>PA 5715 Deliberating STEP: __________________________</td>
<td>1.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Deliberating STEP: __________________________</td>
<td>1.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>PA 5722 Economics Environmental Policy</td>
<td>3</td>
<td>F</td>
<td></td>
</tr>
</tbody>
</table>

#### Social and Policy Processes (4.5 credits)

<table>
<thead>
<tr>
<th>Course Options</th>
<th>Course Title</th>
<th>Cr</th>
<th>Term</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV</td>
<td>PA 5002 Introduction to Policy Analysis</td>
<td>1.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>PA 5012 The Politics of Public Affairs</td>
<td>3</td>
<td></td>
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</tbody>
</table>

#### Foundational Methods (10 credits)

<table>
<thead>
<tr>
<th>Course Options</th>
<th>Course Title</th>
<th>Cr</th>
<th>Term</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>VI</td>
<td>PA 5031 Statistics for Public Affairs -or-</td>
<td>4</td>
<td>F</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA 5045 Applied Regression -or-</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VII</td>
<td>PA 5032 Statistics for Public Affairs, Accelerated</td>
<td>2</td>
<td>F</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA 5044 Applied Regression, Accelerated -or-</td>
<td>2</td>
<td>S (1st half)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA 5041 Qualitative Methods for Policy Analysis</td>
<td>2</td>
<td>S (1st half)</td>
<td></td>
</tr>
</tbody>
</table>

Additional Methods (Sum of Requirements VI, VII, and VIII must equal 10 credits)

#### Applications of STEP: choose two courses below (6 credits)

<table>
<thead>
<tr>
<th>Course Options</th>
<th>Course Title</th>
<th>Cr</th>
<th>Term</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>IX</td>
<td>PA 5721 Energy Systems and Policy -or-</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA 5723 Water Policy -or-</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>PA 5724 Climate Change Policy -or-</td>
<td>3</td>
<td></td>
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<tr>
<td></td>
<td>PA 5731 Emerging Sciences and Tech: Policy, Ethics, &amp; Law -or-</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA 5751 Addressing Climate &amp; Energy Challenges at Local Scale -or-</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>PA 5761 Env Systems Analysis at the Food/Energy/Water Nexus -or-</td>
<td>3</td>
<td></td>
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<td></td>
<td>PA 5771 Change Leadership for ESG -or-</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA 5243 Environmental Justice in Urban Planning &amp; Public Policy</td>
<td>3</td>
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</tr>
</tbody>
</table>

Electives: to be arranged with advisor (at least 3.5 credits)

#### Final Paper: choose Plan C or Plan A (3-10 credits)

**Plan C: Capstone or Individual Professional Paper**

<table>
<thead>
<tr>
<th>Course Options</th>
<th>Course Title</th>
<th>Cr</th>
<th>Term</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>XI (opt 1)</td>
<td>PA 8081 Capstone Workshop (requires 1-cr PA 5080 in Fall) -or-</td>
<td>(1)+3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA 8082 Professional Paper-Writing Seminar -or-</td>
<td>3</td>
<td>S</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PA 8921 Master’s: Professional Paper (Individual Option) (ind. study)</td>
<td>3</td>
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<td></td>
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</tbody>
</table>

**Plan A: Master’s Thesis**

<table>
<thead>
<tr>
<th>Course Options</th>
<th>Course Title</th>
<th>Cr</th>
<th>Term</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>XI (opt 2)</td>
<td>PA 8777 Thesis Credits: Master’s</td>
<td>10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits to meet 36 credit minimum

(*) Indicates that the course may not be offered every year
Pre-Approved Additional Methods Courses (to meet Requirement VIII above)

- PA 5033 Multivariate Techniques (2cr) [prerequisite: PA 5032/5044]
- PA 5043 Economic and Demographic Data Analysis (2cr)
- PA 5271 GIS: Applications in Planning and Policy Analysis (3cr)
- PA 5311 Program Evaluation (3cr)
- PA 5521 Development Planning and Policy Analysis (4cr)
- PA 5928 Data Management and Visualization with R (1cr)
- PA 5929 Data Visualization: Telling Stories with Numbers (2cr)
- PA 5932 Working with Data: Finding, Managing, and Using Data (1.5cr)
- PA 5933 Survey Methods: Designing Effective Questionnaires (2cr)
- Other credits from non-PA courses with approval from faculty advisor and STEP DGS

Note: students may take both PA 5032/5044 and PA 5041 to jointly meet requirement VII and VIII.

Example 2-Year MS-STEP Course Plan

Below is an example 2-year plan to meet all MS-STEP requirements. This course plan is only an example and is not a recommended sequence. Students should discuss their course plan with their advisor.

<table>
<thead>
<tr>
<th>Fall Year 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA 5711: Science, Technology, and Environmental Policy (3 cr)</td>
</tr>
<tr>
<td>PA 5722: Econ. of Environmental Policy (3 cr)</td>
</tr>
<tr>
<td>PA 5002: Introduction to Policy Analysis (1.5 cr)</td>
</tr>
<tr>
<td>PA 5045: Statistics for Public Affairs, Accelerated (4 cr)</td>
</tr>
</tbody>
</table>

11.5 credits total

<table>
<thead>
<tr>
<th>Spring Year 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA 5715: Deliberating STEP (1.5 cr)</td>
</tr>
<tr>
<td>PA 5044: Applied Regression, Accelerated (2 cr; 1st half of semester)</td>
</tr>
<tr>
<td>PA 5033: Multivariate Techniques (2 cr; 2nd half of semester)</td>
</tr>
<tr>
<td>Applications of STEP course (3 cr)</td>
</tr>
</tbody>
</table>

8.5 credits total

<table>
<thead>
<tr>
<th>Fall Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA 5012: The Politics of Public Affairs (3 cr)</td>
</tr>
<tr>
<td>PA 5929: Data Visualization: Telling Stories with Number (2 cr)</td>
</tr>
<tr>
<td>PA 5080 Capstone Prep Workshop (1 cr)</td>
</tr>
<tr>
<td>Applications of STEP course (3 cr)</td>
</tr>
<tr>
<td>Elective (3 cr)</td>
</tr>
</tbody>
</table>

12 credits total

<table>
<thead>
<tr>
<th>Spring Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA 5715: Deliberating STEP (1.5 cr)</td>
</tr>
<tr>
<td>PA 8081 Capstone Workshop (3 cr)</td>
</tr>
<tr>
<td>Focus Area Course (3 cr)</td>
</tr>
<tr>
<td>Elective (3 cr)</td>
</tr>
</tbody>
</table>

10.5 credits total