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

Student Name (printed) _____ Faculty Advisor (printed) _____

Student Name (signed) _____ Faculty Advisor (signed) _____

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 together 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.

	Course Options	Course Title	Cr	Term	Year
Science, Technology, and Environmental Policy Courses (9 credits)					
I	PA 5711	Science, Technology, and Environmental Policy	3	F	
II	PA 5715 (2 sections)	Deliberating STEP: _____	1.5		
		Deliberating STEP: _____	1.5		
III	PA 5722	Economics Environmental Policy	3	F	
Social and Policy Processes (4.5 credits)					
IV	PA 5002	Introduction to Policy Analysis	1.5		
V	PA 5012	The Politics of Public Affairs	3		
Foundational Methods (10 credits)					
VI	PA 5031 -or-	Statistics for Public Affairs -or-	4	F	
	PA 5045	Statistics for Public Affairs, Accelerated	4	F	
VII	PA 5032 -or-	Applied Regression -or-	2	S (1st half)	
	PA 5044 -or-	Applied Regression, Accelerated -or-	2	S (1st half)	
	PA 5041	Qualitative Methods for Policy Analysis	4		

Additional Methods (Sum of Requirements VI, VII, and VIII must equal 10 credits)				Sum VI – VIII
VIII	See list of approved options on next page	_____	___	___	___	
		_____	___	___	___	
		_____	___	___	___	

	Course Options	Course Title	Cr	Term	Year
Applications of STEP: choose two courses below (6 credits)					
IX	PA 5721 -or-	Energy Systems and Policy -or-	3		
	PA 5723 -or-	Water Policy -or-	3		
	PA 5724 -or-	Climate Change Policy -or-	3		
	PA 5731 -or-	Emerging Sciences and Tech: Policy, Ethics, & Law -or-	3		
	PA 5751 -or-	Addressing Climate & Energy Challenges at Local Scale -or-	3		
	PA 5761 -or-	Env Systems Analysis at the Food/Energy/Water Nexus -or-	3		
	PA 5771 -or-	Change Leadership for ESG -or-	3		
	PA 5243	Environmental Justice in Urban Planning & Public Policy	3		
Electives: to be arranged with advisor (at least 3.5 credits)					
X	_____	_____	___	___	___
	_____	_____	___	___	___
	_____	_____	___	___	___
	_____	_____	___	___	___
	_____	_____	___	___	___
Final Paper: choose Plan C or Plan A (3-10 credits)					
Plan C: Capstone or Individual Professional Paper					
XI (opt 1)	PA 8081 -or-	Capstone Workshop *(requires 1-cr PA 5080 in Fall)* -or-	(1)+3	(F)+S	
	PA 8082 -or-	Professional Paper-Writing Seminar -or-	3	S	
	PA 8921	Master's: Professional Paper (Individual Option) *(ind. study)*	3		
Plan A: Master's Thesis					
XI (opt 2)	PA 8777	Thesis Credits: Master's	10		
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.

Fall Year 1

- PA 5711: Science, Technology, and Environmental Policy (3 cr)
- PA 5722: Econ. of Environmental Policy (3 cr)
- PA 5002: Introduction to Policy Analysis (1.5 cr)
- PA 5045: Statistics for Public Affairs, Accelerated (4 cr)

11.5 credits total

Spring Year 1

- PA 5715: Deliberating STEP (1.5 cr)
- PA 5044: Applied Regression, Accelerated (2 cr; 1st half of semester)
- PA 5033: Multivariate Techniques (2 cr; 2nd half of semester)
- Applications of STEP course (3 cr)

8.5 credits total

Fall Year 2

- PA 5012: The Politics of Public Affairs (3 cr)
- PA 5929: Data Visualization: Telling Stories with Number (2 cr)
- PA 5080 Capstone Prep Workshop (1 cr)
- Applications of STEP course (3 cr)
- Elective (3 cr)

12 credits total

Spring Year 2

- PA 5715: Deliberating STEP (1.5 cr)
- PA 8081 Capstone Workshop (3 cr)
- Focus Area Course (3 cr)
- Elective (3 cr)

10.5 credits total