

# ANALYTICS AND PUBLIC POLICY DUAL DEGREE (M.S./M.P.P.)

<https://carsey.unh.edu/master-public-policy-analytics-dual-degree>

## Description

**Beginning in the 2020-2021 academic year, the Analytics program will no longer be accepting new students. Current Analytics students will continue to have access to the same high-quality education and resources until they graduate.**

The Public Policy and Analytics Dual Degree equips you with the skills and knowledge required to analyze critical societal issues, develop effective policy solutions, and translate analysis into action.

You can choose to start the program with either the **Master in Public Policy (fall term)** or the **Master of Science in Analytics (summer term)** and study a mix of content from both programs each year. Your capstone experience during the second year for both paths will demonstrate your command of skills from each program. In just two years, you will graduate with two highly marketable and sought-after degrees: Master in Public Policy and MS in Analytics.

**Program Delivery & Location:** Academic courses for both programs are offered in person on the UNH Durham campus with a portion of the MPP experiential learning taking place offsite: Washington, DC, for the Colloquium and at the Internship site location during the internship experience.

**NEBHE Tuition Break for New England Residents of These States:** MA, ME, RI, VT

**Accelerated Masters Eligible:** Yes

## Requirements

Students enrolled in the Public Policy and Analytics Dual Degree program (MPP/MS in Analytics) are required to earn a minimum of thirty-one (31) credits in the Master in Public Policy program (MPP) and thirty (30) credits in the MS in Analytics program, resulting in a minimum of 61 credits in total. Students completing this MPP/MS in Analytics Dual Degree program will graduate with two master's degrees: Master in Public Policy and Master of Science in Analytics.

Students can choose to start their MPP/MS in Analytics Dual Degree program in the fall term with MPP coursework or in the summer term with MS in Analytics coursework. It is highly recommended that students meet with their Academic Advisors for both programs prior to starting this MPP/MS in Analytics Dual Degree program to insure they have a clear understanding of the dual degree program requirements and course schedule.

Below are the courses required for the MPP and MS in Analytics programs to successfully complete this MPP/MS in Analytics Dual Degree program:

## MPP CURRICULUM for the Dual Degree Program:

Code	Title	Credits
<b>MPP CORE Curriculum Courses (4 Courses):</b>		
PPOL 806	Fundamentals of Policy Analysis	3
PPOL 902	Strategy and Practice of Public Policy	3
PPOL 904	Economics for Public Policy	3
PPOL 910	Policy Across Borders	3
<b>MPP EXPERIENTIAL LEARNING Activities (4 Courses):</b>		
PPOL 950	Washington DC Colloquium	3
PPOL 990A	Policy Capstone Planning <sup>1</sup>	1
PPOL 990	Policy Capstone <sup>1</sup>	3
PPOL 998A or PPOL 998	Policy Internship <sup>2</sup> Policy Internship	0
MPP Elective Courses: Choose 2 courses from the MPP Strategy and Communication Track		6
Elective Courses: Choose 2 MPP-Approved Elective Courses (or 3 MPP-Approved Elective Courses if the DATA 911 / DATA 912 courses fulfill the PPOL 990 Policy Capstone requirements) <sup>1,3</sup>		6
<b>Total Credits</b>		<b>31</b>

## MS IN ANALYTICS CURRICULUM for the Dual Degree Program:

Code	Title	Credits
<b>MS in Analytics BEGINNER Courses (4 Courses):</b>		
DATA 800	Introduction to Applied Analytic Statistics	3
DATA #801	Foundations of Data Analytics	3
DATA #802	Analytical Tools and Foundations	3
DATA #803	Introduction to Analytics Applications	3
<b>MS in Analytics INTERMEDIATE &amp; ADVANCED Courses (4 Courses):</b>		
DATA 900	Data Architecture	3
DATA 901	Analytics Applications I	3
DATA 902	Analytics Methods	3
DATA 903	Analytics Applications II	3
<b>MS in Analytics EXPERIENTIAL LEARNING Activities (2 Courses):</b>		
DATA 911	Analytics Practicum I <sup>1</sup>	3
DATA 912	Analytics Practicum II <sup>1</sup>	3
<b>Total Credits</b>		<b>30</b>

## Master in Public Policy and MS in Analytics Dual Degree Credit Summary

Code	Title	Credits
<b>Master in Public Policy Program Course Credits</b>		<b>31</b>
<b>MS in Analytics Program Course Credits</b>		<b>30</b>
<b>Total Credits</b>		<b>61</b>

## NOTES:

- <sup>1</sup> With your MPP Academic Advisor's approval, DATA 911 Analytics Practicum I and DATA 912 Analytics Practicum II courses can fulfill the PPOL 990 Policy Capstone requirements if there is a policy-relevant component to the Practicum. If this is the case, an additional MPP-approved elective course is required. All students are required to take the PPOL 990A Policy Capstone Planning course.
- <sup>2</sup> PPOL 998A Policy Internship is a non-credit-bearing experience supervised by a faculty member who will provide the academic structure to parallel the applied experience.
- <sup>3</sup> MPP-Approved elective courses are available in many substantive areas. Students may also propose additional electives if they make sense in terms of the student's interests and academic plan. Discussion with your MPP Academic Advisor should inform this choice.

## Degree Plan

### MPP/MS IN ANALYTICS DUAL DEGREE PLAN: *Begin in Fall Term with MPP*

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
PPOL 806	Fundamentals of Policy Analysis	3
PPOL 904	Economics for Public Policy	3
MPP Elective Course (choose a course from the MPP Strategy and Communication Track)		3
Elective Course (choose an MPP-Approved elective course) <sup>3</sup>		3
<b>Credits</b>		<b>12</b>
<b>January Term</b>		
PPOL 950	Washington DC Colloquium	3
<b>Credits</b>		<b>3</b>
<b>Spring</b>		
PPOL 902	Strategy and Practice of Public Policy	3
PPOL 910	Policy Across Borders	3
PPOL 990A	Policy Capstone Planning <sup>1</sup>	1
PPOL 990	Policy Capstone <sup>1</sup>	3
PPOL 998A or PPOL 998	Policy Internship <sup>2</sup> or Policy Internship	0
<b>Credits</b>		<b>10</b>
<b>Summer</b>		
DATA 800	Introduction to Applied Analytic Statistics	3
DATA #801	Foundations of Data Analytics	3
DATA #802	Analytical Tools and Foundations	3
DATA #803	Introduction to Analytics Applications	3
<b>Credits</b>		<b>12</b>
<b>Second Year</b>		
<b>Fall</b>		
DATA 900	Data Architecture	3
DATA 901	Analytics Applications I	3
DATA 911	Analytics Practicum I <sup>1</sup>	3
Elective Course (choose an MPP-Approved elective course) <sup>3</sup>		3
<b>Credits</b>		<b>12</b>
<b>Spring</b>		
DATA 902	Analytics Methods	3
DATA 903	Analytics Applications II	3
DATA 912	Analytics Practicum II <sup>1</sup>	3
MPP Elective (choose a course from the MPP Strategy and Communication Track)		3
<b>Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>61</b>

### MPP/MS IN ANALYTICS DUAL DEGREE PLAN: *Begin in Summer Term with MS in Analytics*

Course	Title	Credits
<b>First Year</b>		
<b>Summer</b>		
DATA 800	Introduction to Applied Analytic Statistics	3
DATA #801	Foundations of Data Analytics	3
DATA #802	Analytical Tools and Foundations	3
DATA #803	Introduction to Analytics Applications	3
<b>Credits</b>		<b>12</b>
<b>Fall</b>		
DATA 900	Data Architecture	3
DATA 901	Analytics Applications I	3
PPOL 806	Fundamentals of Policy Analysis	3
PPOL 904	Economics for Public Policy	3
<b>Credits</b>		<b>12</b>
<b>January Term</b>		
PPOL 950	Washington DC Colloquium	3
<b>Credits</b>		<b>3</b>
<b>Spring</b>		
DATA 902	Analytics Methods	3
DATA 903	Analytics Applications II	3
PPOL 902	Strategy and Practice of Public Policy	3
PPOL 910	Policy Across Borders	3
PPOL 990A	Policy Capstone Planning	1
<b>Credits</b>		<b>13</b>
<b>Second Year</b>		
<b>Summer</b>		
PPOL 998A or PPOL 998	Policy Internship <sup>2</sup> or Policy Internship	0
<b>Credits</b>		<b>0</b>
<b>Fall</b>		
DATA 911	Analytics Practicum I <sup>1</sup>	3
MPP Elective Course (choose a course from the MPP Strategy and Communication Track)		3
Elective Course (choose an MPP-Approved elective course) <sup>3</sup>		3
Elective Course (choose an MPP-Approved elective course) <sup>3</sup>		3
<b>Credits</b>		<b>12</b>
<b>Spring</b>		
DATA 912	Analytics Practicum II <sup>1</sup>	3
PPOL 990	Policy Capstone <sup>1</sup>	3
MPP Elective Course (choose a course from the MPP Strategy and Communication Track)		3
<b>Credits</b>		<b>9</b>
<b>Total Credits</b>		<b>61</b>

#### Notes:

<sup>1</sup> With your MPP Academic Advisor's approval, DATA 911 Analytics Practicum I and DATA 912 Analytics Practicum II courses can fulfill the PPOL 990 Policy Capstone requirements if there is a policy-relevant

component to the Practicum. If this is the case, an additional MPP-approved elective course is required. All students are required to take PPOL 990A Policy Capstone Planning.

<sup>2</sup> PPOL 998A Policy Internship is a non-credit-bearing experience supervised by a faculty member who will provide the academic structure to parallel the applied experience.

<sup>3</sup> MPP-Approved electives courses are available in many substantive areas. Students may also propose additional electives if they make sense in terms of the student's interests and academic plan. Discussion with your MPP Academic Advisor should inform this choice.

## Student Learning Outcomes

### Public Policy M.P.P.

- Apply basic methods of policy development and analysis to design and evaluate public policy
- Demonstrate competency in public speaking and writing related to public policy
- Demonstrate competency in strategic and tactical skills for achieving policy objectives
- Utilize data and research to inform policy design and advocacy
- Understand policy profession norms and ethics
- Apply critical thinking skills to address policy-relevant questions