

Public Policy and Administration

This section presents the requirements for programs in:

- **Master of Public Policy and Administration**
- **Master of Public Policy and Administration with Collaborative Specialization in Climate Change**
- **Master of Public Policy and Administration with Collaborative Specialization in Data Science**
- **Master of Public Policy and Administration with Concentration in Indigenous Policy and Administration**
- **Master of Public Policy - Sustainable Energy and the Environment**
- **Master of Public Policy - Sustainable Energy and the Environment with Collaborative Specialization in Climate Change**
- **Ph.D. Public Policy**
- **Ph.D. Public Policy with Collaborative Specialization in Political Economy**
- **Graduate Diploma in Indigenous Policy and Administration**
- **Graduate Diploma in Public Policy and Program Evaluation**

Program Requirements

Master of Public Policy and Administration (7.0 credits)

Requirements - Coursework pathway (Standard Admission, 7.0 credits)

1. 4.5 credits in core courses:	4.5
PADM 5120 [0.5] Modern Challenges to Governance	
PADM 5121 [0.5] Policy Analysis: The Practical Art of Change	
PADM 5122 [0.5] Public Management: Principles and Approaches	
PADM 5123 [0.5] Public Management in Practice	
PADM 5125 [0.5] Qualitative Methods for Public Policy	
PADM 5126 [0.5] Quantitative Methods for Public Policy	
PADM 5127 [0.5] Microeconomics for Policy Analysis	
PADM 5128 [0.5] Macroeconomics for Policy Analysis	
PADM 5129 [0.5] Capstone Course	
2. 2.5 credits in approved electives (see School website for details)	2.5
Total Credits	7.0

Requirements - Research essay pathway (Standard Admission, 7.0 credits)

1. 4.5 credits in core courses:	4.5
PADM 5120 [0.5] Modern Challenges to Governance	
PADM 5121 [0.5] Policy Analysis: The Practical Art of Change	
PADM 5122 [0.5] Public Management: Principles and Approaches	

PADM 5123 [0.5] Public Management in Practice	
PADM 5125 [0.5] Qualitative Methods for Public Policy	
PADM 5126 [0.5] Quantitative Methods for Public Policy	
PADM 5127 [0.5] Microeconomics for Policy Analysis	
PADM 5128 [0.5] Macroeconomics for Policy Analysis	
PADM 5129 [0.5] Capstone Course	
2. 1.5 credits in approved electives (see School website for details)	1.5
3. 1.0 credit in:	1.0
PADM 5908 [1.0] Research Essay	
Total Credits	7.0

Requirements - Thesis pathway (Standard Admission, 7.0 credits)

1. 4.5 credits in core courses:	4.5
PADM 5120 [0.5] Modern Challenges to Governance	
PADM 5121 [0.5] Policy Analysis: The Practical Art of Change	
PADM 5122 [0.5] Public Management: Principles and Approaches	
PADM 5123 [0.5] Public Management in Practice	
PADM 5125 [0.5] Qualitative Methods for Public Policy	
PADM 5126 [0.5] Quantitative Methods for Public Policy	
PADM 5127 [0.5] Microeconomics for Policy Analysis	
PADM 5128 [0.5] Macroeconomics for Policy Analysis	
PADM 5129 [0.5] Capstone Course	
2. 0.5 credit in approved elective (see School website for details)	0.5
3. 2.0 credits in:	2.0
PADM 5909 [2.0] M.P.P.A. Thesis	
Total Credits	7.0

Master of Public Policy and Administration (Advanced Completion Option - 5.0 credits)

Requirements - Coursework pathway (Advanced completion option, 5.0 credits)(See Note, below)

1. 2.5 credits in core courses from:	2.5
PADM 5120 [0.5] Modern Challenges to Governance	
PADM 5121 [0.5] Policy Analysis: The Practical Art of Change	
PADM 5122 [0.5] Public Management: Principles and Approaches	
PADM 5123 [0.5] Public Management in Practice	
PADM 5125 [0.5] Qualitative Methods for Public Policy	
PADM 5126 [0.5] Quantitative Methods for Public Policy	
PADM 5127 [0.5] Microeconomics for Policy Analysis	
PADM 5128 [0.5] Macroeconomics for Policy Analysis	
PADM 5129 [0.5] Capstone Course	
2. 2.5 credits in approved electives (see School website for details)	2.5

Note:

Additional credits may be required, as specified on offer of admission.

Total Credits 5.0

Requirements - Research essay pathway (Advanced completion option, 5.0 credits)(See Note, below)

1. 2.5 credits in core courses from: 2.5

PADM 5120 [0.5]	Modern Challenges to Governance
PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change
PADM 5122 [0.5]	Public Management: Principles and Approaches
PADM 5123 [0.5]	Public Management in Practice
PADM 5125 [0.5]	Qualitative Methods for Public Policy
PADM 5126 [0.5]	Quantitative Methods for Public Policy
PADM 5127 [0.5]	Microeconomics for Policy Analysis
PADM 5128 [0.5]	Macroeconomics for Policy Analysis
PADM 5129 [0.5]	Capstone Course

2. 1.5 credits in approved electives (see School website for details) 1.5

3. 1.0 credit in: 1.0

PADM 5908 [1.0]	Research Essay
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Total Credits 5.0

Requirements - Thesis pathway (Advanced completion option, 5.0 credits)(See Note, below)

1. 2.5 credits in core courses from: 2.5

PADM 5120 [0.5]	Modern Challenges to Governance
PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change
PADM 5122 [0.5]	Public Management: Principles and Approaches
PADM 5123 [0.5]	Public Management in Practice
PADM 5125 [0.5]	Qualitative Methods for Public Policy
PADM 5126 [0.5]	Quantitative Methods for Public Policy
PADM 5127 [0.5]	Microeconomics for Policy Analysis
PADM 5128 [0.5]	Macroeconomics for Policy Analysis
PADM 5129 [0.5]	Capstone Course

2. 0.5 credit in approved electives (see School website for details) 0.5

3. 2.0 credits in: 2.0

PADM 5909 [2.0]	M.P.P.A. Thesis
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Total Credits 5.0

Master of Public Policy and Administration with Collaborative Specialization in Climate Change (7.0 credits)

Requirements - coursework pathway (7.0 credits)

1. 1.0 credit in: 1.0

CLIM 5000 [1.0]	Climate Collaboration
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2. 0.0 credit in: 0.0

CLIM 5800 [0.0]	Climate Seminar Series
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3. 4.5 credits in core courses: 4.5

PADM 5120 [0.5]	Modern Challenges to Governance
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PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change
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PADM 5122 [0.5]	Public Management: Principles and Approaches
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PADM 5123 [0.5]	Public Management in Practice
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PADM 5125 [0.5]	Qualitative Methods for Public Policy
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PADM 5126 [0.5]	Quantitative Methods for Public Policy
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PADM 5127 [0.5]	Microeconomics for Policy Analysis
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PADM 5128 [0.5]	Macroeconomics for Policy Analysis
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PADM 5129 [0.5]	Capstone Course
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4. 1.0 credits in approved climate change electives (see School website for details) 1.0

5. 0.5 credit in approved electives (see School website for details) 0.5

Total Credits 7.0

Requirements - research essay pathway (7.0 credits)

1. 1.0 credit in: 1.0

CLIM 5000 [1.0]	Climate Collaboration
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2. 0.0 credit in: 0.0

CLIM 5800 [0.0]	Climate Seminar Series
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3. 4.5 credits in core courses: 4.5

PADM 5120 [0.5]	Modern Challenges to Governance
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PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change
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PADM 5122 [0.5]	Public Management: Principles and Approaches
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PADM 5123 [0.5]	Public Management in Practice
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PADM 5125 [0.5]	Qualitative Methods for Public Policy
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PADM 5126 [0.5]	Quantitative Methods for Public Policy
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PADM 5127 [0.5]	Microeconomics for Policy Analysis
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PADM 5128 [0.5]	Macroeconomics for Policy Analysis
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PADM 5129 [0.5]	Capstone Course
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4. 1.0 credit in: 1.0

PADM 5908 [1.0]	Research Essay (in the Specialization)
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5. 0.5 credit in approved electives (see School website for details) 0.5

Total Credits 7.0

Master of Public Policy and Administration with Collaborative Specialization in Data Science (7.0 credits)

Requirements - Coursework pathway:

1. 4.0 credits in core courses: 4.0

PADM 5120 [0.5]	Modern Challenges to Governance
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PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change
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PADM 5122 [0.5]	Public Management: Principles and Approaches
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PADM 5123 [0.5]	Public Management in Practice
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PADM 5125 [0.5]	Qualitative Methods for Public Policy
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PADM 5127 [0.5]	Microeconomics for Policy Analysis
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PADM 5128 [0.5]	Macroeconomics for Policy Analysis	
PADM 5129 [0.5]	Capstone Course	
2. 1.5 credits in	data science core courses:	1.5
DATA 5000 [0.5]	Introduction to Data Science	
PADM 5126 [0.5]	Quantitative Methods for Public Policy	
PADM 5218 [0.5]	Analysis of Socio-economic Data	
3. 0.5 credit from	data science electives:	0.5
COMP 5111 [0.5]	Data Management for Business Intelligence	
COMP 5209 [0.5]	Visual Analytics	
COMP 5305 [0.5]	Advanced Database Systems	
COMP 5306 [0.5]	Data Integration	
PADM 5372 [0.5]	Policy Seminar (Data Science Specialization)	
PADM 5391 [0.5]	Directed Studies (Data Science Specialization)	
4. 1.0 credit in	approved elective (see School website for details)	1.0
Total Credits		7.0

Requirements - Research essay pathway:

1. 4.0 credits in	core courses:	4.0
PADM 5120 [0.5]	Modern Challenges to Governance	
PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change	
PADM 5122 [0.5]	Public Management: Principles and Approaches	
PADM 5123 [0.5]	Public Management in Practice	
PADM 5125 [0.5]	Qualitative Methods for Public Policy	
PADM 5127 [0.5]	Microeconomics for Policy Analysis	
PADM 5128 [0.5]	Macroeconomics for Policy Analysis	
PADM 5129 [0.5]	Capstone Course	
2. 1.5 credits in	data science core courses:	1.5
DATA 5000 [0.5]	Introduction to Data Science	
PADM 5126 [0.5]	Quantitative Methods for Public Policy	
PADM 5218 [0.5]	Analysis of Socio-economic Data	
3. 0.5 credit in	approved elective (see School website for details)	0.5
4. 1.0 credit in:		1.0
PADM 5908 [1.0]	Research Essay (on a Data Science topic approved by the MPPA Graduate Supervisor and the Data Science governance committee)	
Total Credits		7.0

Master of Public Policy and Administration with Collaborative Specialization in Data Science (Advanced completion, 5.0 credits)

Requirements - Coursework pathway (Advanced completion, 5.0 credits):

1. 2.5 credits from	core courses:	2.5
PADM 5120 [0.5]	Modern Challenges to Governance	
PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change	

PADM 5122 [0.5]	Public Management: Principles and Approaches	
PADM 5123 [0.5]	Public Management in Practice	
PADM 5125 [0.5]	Qualitative Methods for Public Policy	
PADM 5127 [0.5]	Microeconomics for Policy Analysis	
PADM 5128 [0.5]	Macroeconomics for Policy Analysis	
PADM 5129 [0.5]	Capstone Course	
2. 0.5 credit in:		0.5
DATA 5000 [0.5]	Introduction to Data Science	
3. 0.5 credit from:		0.5
PADM 5126 [0.5]	Quantitative Methods for Public Policy	
PADM 5218 [0.5]	Analysis of Socio-economic Data	
4. 0.5 credit from	data science electives:	0.5
COMP 5111 [0.5]	Data Management for Business Intelligence	
COMP 5209 [0.5]	Visual Analytics	
COMP 5305 [0.5]	Advanced Database Systems	
COMP 5306 [0.5]	Data Integration	
PADM 5372 [0.5]	Policy Seminar (Data Science Specialization)	
PADM 5391 [0.5]	Directed Studies (Data Science Specialization)	
5. 1.0 credit in	approved elective (see School website for details)	1.0
Total Credits		5.0

Requirements - Research essay pathway (Advanced completion, 5.0 credits):

1. 2.5 credits from	core courses:	2.5
PADM 5120 [0.5]	Modern Challenges to Governance	
PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change	
PADM 5122 [0.5]	Public Management: Principles and Approaches	
PADM 5123 [0.5]	Public Management in Practice	
PADM 5125 [0.5]	Qualitative Methods for Public Policy	
PADM 5127 [0.5]	Microeconomics for Policy Analysis	
PADM 5128 [0.5]	Macroeconomics for Policy Analysis	
PADM 5129 [0.5]	Capstone Course	
2. 0.5 credit in:		0.5
DATA 5000 [0.5]	Introduction to Data Science	
3. 0.5 credit from:		0.5
PADM 5126 [0.5]	Quantitative Methods for Public Policy	
PADM 5218 [0.5]	Analysis of Socio-economic Data	
4. 0.5 credit in	approved elective (see School website for details)	0.5
5. 1.0 credit in:		1.0
PADM 5908 [1.0]	Research Essay (on a Data Science topic approved by the MPPA Graduate Supervisor and the Data Science governance committee)	
Total Credits		5.0

Master of Public Policy and Administration with Concentration in Indigenous Policy and Administration (7.0 credits)(7.5 credits - Thesis pathway)

To complete the M.P.P.A. program with a concentration in Indigenous Policy and Administration, students should notify the M.P.P.A. Supervisor when registering for their first year.

Requirements - Coursework pathway (7.0 credits):

1. 4.5 credits in core courses:	4.5
PADM 5120 [0.5] Modern Challenges to Governance	
PADM 5121 [0.5] Policy Analysis: The Practical Art of Change	
PADM 5122 [0.5] Public Management: Principles and Approaches	
PADM 5123 [0.5] Public Management in Practice	
PADM 5125 [0.5] Qualitative Methods for Public Policy	
or PADM 5715 [0.5] Policy Research and Evaluation for Indigenous Policy and Administration	
PADM 5126 [0.5] Quantitative Methods for Public Policy	
PADM 5127 [0.5] Microeconomics for Policy Analysis	
PADM 5128 [0.5] Macroeconomics for Policy Analysis	
PADM 5129 [0.5] Capstone Course	
2. 0.5 credit in approved elective (see School website for details)	0.5
3. 0.5 credit in:	0.5
PADM 5224 [0.5] Indigenous Policy (must be completed before registering in any of the electives for the IPA concentration in Item 4)	
4. 1.5 credits from:	1.5
PADM 5712 [0.5] Issues in Contemporary Governance: First Nations, Métis and Inuit	
PADM 5713 [0.5] Public Administration in Indigenous Organizations and Governments	
PADM 5714 [0.5] Financial Management in First Nations, Métis and Inuit Governments and Organizations	
PADM 5716 [0.5] Economic and Community Development in Indigenous Territories	
PADM 5719 [0.5] Indigenous Health and Social Policy	
PADM 5772 [0.5] Policy Seminar (Indigenous Policy and Administration)	
PADM 5703 [0.5] Directed Studies (Indigenous Public Administration)	
Total Credits	7.0

Requirements - Research essay pathway (7.0 credits):

1. 4.5 credits in core courses:	4.5
PADM 5120 [0.5] Modern Challenges to Governance	
PADM 5121 [0.5] Policy Analysis: The Practical Art of Change	
PADM 5122 [0.5] Public Management: Principles and Approaches	

PADM 5123 [0.5] Public Management in Practice	
PADM 5125 [0.5] Qualitative Methods for Public Policy	
or PADM 5715 [0.5] Policy Research and Evaluation for Indigenous Policy and Administration	
PADM 5126 [0.5] Quantitative Methods for Public Policy	
PADM 5127 [0.5] Microeconomics for Policy Analysis	
PADM 5128 [0.5] Macroeconomics for Policy Analysis	
PADM 5129 [0.5] Capstone Course	
2. 0.5 credit in approved elective (see School website for details)	0.5
3. 0.5 credit in:	0.5
PADM 5224 [0.5] Indigenous Policy (must be completed before registering in any of the electives for the IPA concentration in Item 3)	
4. 0.5 credit from:	0.5
PADM 5712 [0.5] Issues in Contemporary Governance: First Nations, Métis and Inuit	
PADM 5713 [0.5] Public Administration in Indigenous Organizations and Governments	
PADM 5714 [0.5] Financial Management in First Nations, Métis and Inuit Governments and Organizations	
PADM 5716 [0.5] Economic and Community Development in Indigenous Territories	
PADM 5719 [0.5] Indigenous Health and Social Policy	
PADM 5772 [0.5] Policy Seminar (Indigenous Policy and Administration)	
PADM 5703 [0.5] Directed Studies (Indigenous Public Administration)	
5. 1.0 credit in:	1.0
PADM 5908 [1.0] Research Essay	
Total Credits	7.0

Requirements - Thesis pathway (7.5 credits):

1. 4.5 credits in core courses:	4.5
PADM 5120 [0.5] Modern Challenges to Governance	
PADM 5121 [0.5] Policy Analysis: The Practical Art of Change	
PADM 5122 [0.5] Public Management: Principles and Approaches	
PADM 5123 [0.5] Public Management in Practice	
PADM 5125 [0.5] Qualitative Methods for Public Policy	
or PADM 5715 [0.5] Policy Research and Evaluation for Indigenous Policy and Administration	
PADM 5126 [0.5] Quantitative Methods for Public Policy	
PADM 5127 [0.5] Microeconomics for Policy Analysis	
PADM 5128 [0.5] Macroeconomics for Policy Analysis	
PADM 5129 [0.5] Capstone Course	
2. 0.5 credit in approved elective (see School website for details)	0.5
3. 0.5 credit in:	0.5

PADM 5224 [0.5]	Indigenous Policy	
4. 2.0 credits in:		2.0
PADM 5909 [2.0]	M.P.P.A. Thesis	
Total Credits		7.5

**Master of Public Policy and Administration
with Concentration in Indigenous Policy and
Administration
(Advanced Completion, 5.0 credits)(5.5 credits -
Thesis pathway)**

Requirements - Coursework pathway (5.0 credits):

1. 2.5 credits in core courses from:		2.5
PADM 5120 [0.5]	Modern Challenges to Governance	
PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change	
PADM 5122 [0.5]	Public Management: Principles and Approaches	
PADM 5123 [0.5]	Public Management in Practice	
PADM 5125 [0.5]	Qualitative Methods for Public Policy	
or PADM 5715 [0.5]	Policy Research and Evaluation for Indigenous Policy and Administration	
PADM 5126 [0.5]	Quantitative Methods for Public Policy	
PADM 5127 [0.5]	Microeconomics for Policy Analysis	
PADM 5128 [0.5]	Macroeconomics for Policy Analysis	
PADM 5129 [0.5]	Capstone Course	
2. 0.5 credit in approved elective (see School website for details)		0.5
3. 0.5 credit in:		0.5
PADM 5224 [0.5]	Indigenous Policy (must be completed before registering in any of the electives for the IPA concentration in Item 3)	
4. 1.5 credits from:		1.5
PADM 5711 [0.5]	Indigenous-Canada Relations: Governance and Policy History	
PADM 5712 [0.5]	Issues in Contemporary Governance: First Nations, Métis and Inuit	
PADM 5713 [0.5]	Public Administration in Indigenous Organizations and Governments	
PADM 5714 [0.5]	Financial Management in First Nations, Métis and Inuit Governments and Organizations	
PADM 5716 [0.5]	Economic and Community Development in Indigenous Territories	
PADM 5719 [0.5]	Indigenous Health and Social Policy	
PADM 5772 [0.5]	Policy Seminar (Indigenous Policy and Administration)	
PADM 5703 [0.5]	Directed Studies (Indigenous Public Administration)	

Note:

Additional credits may be required, as specified on offer of admission.

Total Credits **5.0**

Requirements - Research essay pathway (5.0 credits):

1. 2.5 credits in core courses from:		2.5
PADM 5120 [0.5]	Modern Challenges to Governance	
PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change	
PADM 5122 [0.5]	Public Management: Principles and Approaches	
PADM 5123 [0.5]	Public Management in Practice	
PADM 5125 [0.5]	Qualitative Methods for Public Policy	
or PADM 5715 [0.5]	Policy Research and Evaluation for Indigenous Policy and Administration	
PADM 5126 [0.5]	Quantitative Methods for Public Policy	
PADM 5127 [0.5]	Microeconomics for Policy Analysis	
PADM 5128 [0.5]	Macroeconomics for Policy Analysis	
PADM 5129 [0.5]	Capstone Course	
2. 0.5 credit in approved elective (see School website for details)		0.5
3. 0.5 credit in:		0.5
PADM 5224 [0.5]	Indigenous Policy (must be completed before registering in any of the electives for the IPA concentration in Item 3)	
4. 0.5 credit from:		0.5
PADM 5711 [0.5]	Indigenous-Canada Relations: Governance and Policy History	
PADM 5712 [0.5]	Issues in Contemporary Governance: First Nations, Métis and Inuit	
PADM 5713 [0.5]	Public Administration in Indigenous Organizations and Governments	
PADM 5714 [0.5]	Financial Management in First Nations, Métis and Inuit Governments and Organizations	
PADM 5716 [0.5]	Economic and Community Development in Indigenous Territories	
PADM 5719 [0.5]	Indigenous Health and Social Policy	
PADM 5772 [0.5]	Policy Seminar (Indigenous Policy and Administration)	
PADM 5703 [0.5]	Directed Studies (Indigenous Public Administration)	
4. 1.0 credit in:		1.0
PADM 5908 [1.0]	Research Essay	
Note:		
Additional credits may be required, as specified on offer of admission.		
Total Credits		5.0
Requirements - Thesis pathway (5.5 credits):		
1. 2.5 credits in core courses from:		2.5
PADM 5120 [0.5]	Modern Challenges to Governance	
PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change	
PADM 5122 [0.5]	Public Management: Principles and Approaches	
PADM 5123 [0.5]	Public Management in Practice	

PADM 5125 [0.5]	Qualitative Methods for Public Policy	
or PADM 5715 [0.5]	Policy Research and Evaluation for Indigenous Policy and Administration	
PADM 5126 [0.5]	Quantitative Methods for Public Policy	
PADM 5127 [0.5]	Microeconomics for Policy Analysis	
PADM 5128 [0.5]	Macroeconomics for Policy Analysis	
PADM 5129 [0.5]	Capstone Course	
2. 0.5 credit in:	approved elective (see School website for details)	0.5
3. 0.5 credit in:		0.5
PADM 5224 [0.5]	Indigenous Policy	
4. 2.0 credits in:		2.0
PADM 5909 [2.0]	M.P.P.A. Thesis	
Note:		
Additional credits may be required, as specified on offer of admission.		
Total Credits		5.5

Master of Public Policy - Sustainable Energy and the Environment (5.0 credits)

Requirements - Coursework pathway:

1. 1.5 credits in:		1.5
SERG 5002 [0.5]	Sustainable Energy Engineering for Policy Students	
SERG 5003 [0.5]	Energy Evaluation and Assessment Tools	
SERG 5005 [0.5]	Applied Interdisciplinary Project	
2. 0.0 credit in:		0.0
SERG 5800 [0.0]	Sustainable Energy Seminar	
3. 0.5 credit in:		0.5
PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change	
4. 0.5 credit in:		0.5
PADM 5510 [0.5]	Energy Economics	
5. 0.5 credit in:		0.5
PADM 5515 [0.5]	Sustainable Energy Policy	
or PADM 5615 [0.5]	Politics and Policy of Energy in Canada	
6. 2.0 credits from:	Sustainable Energy Policy courses listed below or other courses as approved by the MA supervisor	2.0
Total Credits		5.0

Requirements - Research essay pathway:

1. 1.5 credits in:		1.5
SERG 5002 [0.5]	Sustainable Energy Engineering for Policy Students	
SERG 5003 [0.5]	Energy Evaluation and Assessment Tools	
SERG 5005 [0.5]	Applied Interdisciplinary Project	
2. 0.0 credit in:		0.0
SERG 5800 [0.0]	Sustainable Energy Seminar	
3. 0.5 credit in:		0.5
PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change	
4. 0.5 credit in:		0.5
PADM 5510 [0.5]	Energy Economics	

5. 0.5 credit in:		0.5
PADM 5515 [0.5]	Sustainable Energy Policy	
or PADM 5615 [0.5]	Politics and Policy of Energy in Canada	
6. 1.0 credits from:	Sustainable Energy Policy courses listed below or other courses as approved by the MA supervisor	1.0
7. 1.0 credit in:		1.0
PADM 5908 [1.0]	Research Essay	
Total Credits		5.0

Requirements - Thesis pathway:

1. 1.5 credits in:		1.5
SERG 5002 [0.5]	Sustainable Energy Engineering for Policy Students	
SERG 5003 [0.5]	Energy Evaluation and Assessment Tools	
SERG 5005 [0.5]	Applied Interdisciplinary Project	
2. 0.0 credit in:		0.0
SERG 5800 [0.0]	Sustainable Energy Seminar	
3. 0.5 credit in:		0.5
PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change	
4. 0.5 credit in:		0.5
PADM 5510 [0.5]	Energy Economics	
5. 0.5 credit in:		0.5
PADM 5515 [0.5]	Sustainable Energy Policy	
or PADM 5615 [0.5]	Politics and Policy of Energy in Canada	
6. 2.0 credits in:		2.0
SERG 5909 [2.0]	MA Sustainable Energy Thesis	
Total Credits		5.0

Notes:

1. Courses must be appropriate to the student's qualifications and selected with the approval of the student's program supervisor.

Master of Public Policy - Sustainable Energy and the Environment with Collaborative Specialization in Climate Change (6.0 credits)

Requirements - Coursework pathway:

1. 1.0 credit in:		1.0
CLIM 5000 [1.0]	Climate Collaboration	
2. 0.0 credit in:		0.0
CLIM 5800 [0.0]	Climate Seminar Series	
3. 1.5 credits in:		1.5
SERG 5002 [0.5]	Sustainable Energy Engineering for Policy Students	
SERG 5003 [0.5]	Energy Evaluation and Assessment Tools	
SERG 5005 [0.5]	Applied Interdisciplinary Project	
4. 0.0 credit in:		0.0
SERG 5800 [0.0]	Sustainable Energy Seminar	
5. 0.5 credit in:		0.5
PADM 5121 [0.5]	Policy Analysis: The Practical Art of Change	
6. 0.5 credit in:		0.5
PADM 5510 [0.5]	Energy Economics	
7. 0.5 credit in:		0.5

PADM 5515 [0.5] Sustainable Energy Policy or PADM 5615 [0.5] Politics and Policy of Energy in Canada	
8. 2.0 credits from Sustainable Energy Policy courses listed below or other courses as approved by the MA supervisor	2.0

Total Credits 6.0

Requirements - Research essay pathway:

1. 1.0 credit in:	1.0
CLIM 5000 [1.0] Climate Collaboration	
2. 0.0 credit in:	
CLIM 5800 [0.0] Climate Seminar Series	
3. 1.5 credits in:	1.5
SERG 5002 [0.5] Sustainable Energy Engineering for Policy Students	
SERG 5003 [0.5] Energy Evaluation and Assessment Tools	
SERG 5005 [0.5] Applied Interdisciplinary Project	
4. 0.0 credit in:	0.0
SERG 5800 [0.0] Sustainable Energy Seminar	
5. 0.5 credit in:	0.5
PADM 5121 [0.5] Policy Analysis: The Practical Art of Change	
6. 0.5 credit in:	0.5
PADM 5510 [0.5] Energy Economics	
7. 0.5 credit in:	0.5
PADM 5515 [0.5] Sustainable Energy Policy or PADM 5615 [0.5] Politics and Policy of Energy in Canada	
6. 1.0 credit from Sustainable Energy Policy courses listed below or other courses as approved by the MA supervisor	1.0
8. 1.0 credit in:	1.0
PADM 5908 [1.0] Research Essay (in the specialization)	

Total Credits 6.0

Requirements - Thesis pathway:

1. 1.0 credit in:	1.0
CLIM 5000 [1.0] Climate Collaboration	
2. 0.0 credit in:	
CLIM 5800 [0.0] Climate Seminar Series	
3. 1.5 credits in:	1.5
SERG 5002 [0.5] Sustainable Energy Engineering for Policy Students	
SERG 5003 [0.5] Energy Evaluation and Assessment Tools	
SERG 5005 [0.5] Applied Interdisciplinary Project	
4. 0.0 credit in:	0.0
SERG 5800 [0.0] Sustainable Energy Seminar	
5. 0.5 credit in:	0.5
PADM 5121 [0.5] Policy Analysis: The Practical Art of Change	
6. 0.5 credit in:	0.5
PADM 5510 [0.5] Energy Economics	
7. 0.5 credit in:	0.5
PADM 5515 [0.5] Sustainable Energy Policy or PADM 5615 [0.5] Politics and Policy of Energy in Canada	
8. 2.0 credits in:	2.0

SERG 5909 [2.0] MA Sustainable Energy Thesis (in the specialization)	
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Total Credits 6.0

Notes:

1. Courses must be appropriate to the student's qualifications and selected with the approval of the student's program supervisor.

Ph.D. Public Policy (4.5 credits)

Requirements:

1. 2.0 credits in:	2.0
PADM 6010 [0.5] Current Issues in Public Policy	
PADM 6011 [0.5] Theoretical Foundations of Public Policy	
PADM 6012 [0.5] Policy Process and Institutions	
PADM 6013 [0.5] Research Design for Public Policy	
2. 0.5 credit in 5000- or 6000-level research methods, approved by thesis supervisor and PhD program supervisor	0.5
3. 1.0 credit in an area of specialization, approved by thesis supervisor and PhD program supervisor	1.0
4. 0.5 credit in:	0.5
PADM 6900 [0.5] Ph.D. Comprehensive Examination	
5. 0.5 credit in:	0.5
PADM 6201 [0.5] Doctoral Research Seminar	
6. 0.0 credit in:	
PADM 6911 [0.0] Ph.D. Proposal (includes public defence of written proposal)	
7. 0.0 credit in:	0.0
PADM 6909 [0.0] Ph.D. Thesis (includes oral defence after completion of all other program requirements)	

8. Language requirement (Reading knowledge of French. Another language may substitute, if relevant to thesis)

Total Credits 4.5

Ph.D. Public Policy with Collaborative Specialization in Political Economy (4.5 credits)

Requirements:

1. 2.0 credits in:	2.0
PADM 6010 [0.5] Current Issues in Public Policy	
PADM 6011 [0.5] Theoretical Foundations of Public Policy	
PADM 6012 [0.5] Policy Process and Institutions	
PADM 6013 [0.5] Research Design for Public Policy	
2. 0.5 credit in research methods, such as PADM 5218 or another research methods course at the 5000 or 6000 level (See Note 1, below)	0.5
3. 0.5 credit in:	0.5
PECO 6000 [0.5] Political Economy: Core Concepts	
4. 0.5 credit in:	0.5
A relevant political economy course from the approved list.	
5. 0.5 credit in:	0.5
PADM 6900 [0.5] Ph.D. Comprehensive Examination (See Note 2, below)	
6. 0.5 credit in:	0.5

PADM 6201 [0.5] Doctoral Research Seminar (See Note 3, below)

7. Public defence of a written thesis proposal	
8. 0.0 credits in:	0.0
PADM 6909 [0.0] Ph.D. Thesis (in the specialization)	
9. Language requirement (See Note 5, below)	
Total Credits	4.5

Notes

- Course components:** The four required courses PADM 6010 Current Issues in Public Policy, PADM 6011 Theoretical Foundations of Public Policy, PADM 6012 Policy Process and Institutions, and PADM 6013 Research Design for Public Policy will normally be taken in the first year of full-time study. The research methods course and specialization courses must be chosen by the student after consultation with, and approval by, the student's thesis supervisor and the Ph.D. Program Supervisor. Graduate courses offered by the School or by other university departments may be approved. When necessary, students must arrange formal permission from the relevant department for admission to courses.
- Comprehensive Examination:** Students will write a Comprehensive Examination, normally in the summer term of the first year, after they have successfully completed each of the four required courses PADM 6010 Current Issues in Public Policy, PADM 6011 Theoretical Foundations of Public Policy, PADM 6012 Policy Process and Institutions, and PADM 6013 Research Design for Public Policy with a grade of B- or higher, and with an overall GPA of 9.0 (B+) or higher. The examination will focus on the material presented in the required courses. At the discretion of the examining board, a candidate whose performance is not satisfactory may be asked to take a second written examination.
- Doctoral Research Seminar:** Full-time students will normally register in PADM 6201 Doctoral Research Seminar over two terms in their second year of study. As part of the seminar, a research project will be prepared under the direction of the thesis supervisor and be preliminary to and supportive of the Ph.D. Thesis. Possible formats – to be approved by the supervisor – include a comprehensive and critical literature survey, or a self-contained study applying the principles of research design and research methods to an area of inquiry related to the specialization courses.
- Thesis:** Following the successful completion of the Comprehensive Examination, students will prepare a formal thesis proposal under a thesis advisory committee. The thesis supervisor will normally be a faculty member from the School of Public Policy and Administration. The proposal will normally be submitted by the end of the summer term of the second year of full-time registration and defended early in the fall term of the third year. The thesis must demonstrate an advanced ability to integrate multiple disciplines into the analysis of public policy. The thesis must be defended at an oral examination.

- Language Requirement:** Students will be required to demonstrate a reading knowledge of French. Another language may be substituted for French, if it is relevant to the thesis.

Graduate Diploma in Indigenous Policy and Administration (3.0 credits)

Requirements:

Students must complete:	
1. 2.5 credits in:	2.5
PADM 5711 [0.5] Indigenous-Canada Relations: Governance and Policy History	
PADM 5712 [0.5] Issues in Contemporary Governance: First Nations, Métis and Inuit	
PADM 5713 [0.5] Public Administration in Indigenous Organizations and Governments	
PADM 5714 [0.5] Financial Management in First Nations, Métis and Inuit Governments and Organizations	
PADM 5715 [0.5] Policy Research and Evaluation for Indigenous Policy and Administration	
2. 0.5 credit in elective, selected from other PADM courses or those offered by another unit, as approved by the I.P.A. Supervisor.	0.5
Total Credits	3.0

Graduate Diploma in Public Policy and Program Evaluation (3.0 credits)

The Diploma in Public Policy and Program Evaluation is designed to be completed in sixteen months, while working full-time. The program is divided into two parts: four applied courses; and a two-course practicum.

Students must be registered in the Diploma and have completed the four applied courses before registering in PADM 5445 and PADM 5446.

Graduate Diploma in Public Policy and Program Evaluation (3.0 credits)

1. 2.0 credits in required courses	2.0
PADM 5441 [0.5] Introduction to Policy and Program Evaluation	
PADM 5442 [0.5] Quantitative Research Methods in Evaluation	
PADM 5443 [0.5] Qualitative Research Methods in Evaluation	
PADM 5444 [0.5] Benefit-Cost Analysis for Program Evaluation	
2. 1.0 credit in electives approved by the DPE Supervisor	1.0
PADM 5445 [0.5] Program Evaluation Planning and Designs	
PADM 5446 [0.5] Program Evaluation Conduct, Analysis and Reporting	
Total Credits	3.0

Admission

Applicants must have an undergraduate or post-graduate degree (or equivalent), with an average of B+ or higher. The level of academic performance and potential

demonstrated within the degree is more important than the discipline. Indeed, students enter the program from a wide variety of backgrounds in the social sciences, humanities, sciences and engineering.

The School also considers mid-career applicants who do not satisfy this grade average requirement, but who have demonstrated professional excellence over at least five years. Such applicants may use their high achievement in several designated university courses as evidence of their academic potential. These university courses are determined on an individual basis in consultation with the M.P.P.A. Supervisor. Contact the School for details.

All applicants must have completed a 0.5 credit university course covering microeconomic theory (ECON 1001 or equivalent) and a 0.5 credit university course in macroeconomic theory (ECON 1002 or equivalent) with an average grade over the two theory courses of B+ or higher. A working knowledge of algebra is also expected.

In some cases, applicants may be admitted to the program despite not having completed these prerequisites, on the condition that the course(s) be extra to the degree requirements and be completed (with the minimum required grade, as discussed above) in the first year of the program. Nevertheless it is strongly recommended that students complete the prerequisites before starting the program, to ensure that their progress through the core courses is unimpeded.

All applicants whose first language is not English must demonstrate proficiency in the English language. (See Section 3.6 of the General Regulations section of this Calendar for details.)

Advanced Completion Option

Applicants to the Master of Public Policy and Administration may be considered for admission to an Advanced Completion Option of the Master of Public Policy and Administration based on their demonstrated academic excellence in university courses deemed equivalent to the core courses of the program. This option will be determined on an individual basis in consultation with the M.P.P.A. Supervisor and the Faculty of Graduate and Postdoctoral Affairs and pursuant to Section 6.1 of the General Regulations section of this Calendar. Admission to the Master of Public Policy and Administration Advanced Completion Option may require courses in addition to the 5.0 credit program requirements.

Master of Public Policy and Administration Accelerated Pathway

The accelerated pathway in the Master of Public Policy and Administration is a flexible and individualized plan of graduate study. Students in their final year of the Bachelor of Public Affairs and Policy Management who have demonstrated academic excellence and an aptitude for research may qualify. Students in their third year of study in the Bachelor of Public Affairs and Policy Management should consult with both their undergraduate supervisor and the M.P.P.A Supervisor to determine if the accelerated pathway is appropriate for them and to confirm their

selection of courses in their final year of undergraduate study.

Accelerated Pathway Requirements

1. PADM 5000-level courses with a grade of B+ or higher;
2. Minimum overall CGPA of 10.4 in the Bachelor of Public Affairs and Policy Management.

Students may receive advanced standing with transfer of credit of up to 1.0 credit which can reduce their time to completion.

Admission

Admission will be judged primarily on the applicant's ability to conduct advanced research and to complete the program successfully. Applications should contain at least one essay or paper at the M.A. level written by the applicant, as well as a statement of research interests and potential thesis topics.

Admission requires completion of an M.A. degree in any of public administration, political science, economics, political economy, business administration, law, or similar degree with first class standing (A- average or higher in their M.A. work).

A working knowledge of basic calculus is required for completion of the program. Assistance in acquiring these skills is provided by the program. Students requiring additional assistance should consult the Ph.D. Supervisor.

Applicants must also successfully complete prerequisites in statistics, political science, and economics as described in detail below. These prerequisites may be satisfied by the completion of appropriate course work at the intermediate undergraduate level or higher in each of the subjects listed.

Prerequisites in political science, economics and statistics must be completed prior to entry. Completed courses in political science should be approximately equivalent to PADM 5120 or PADM 5121. With permission of the Ph.D. Supervisor, this requirement may be done, as a directed study in the summer, prior to registration in the program, under the supervision of faculty in the School. Completed courses in economics should be approximately equivalent to PADM 5127. Equivalent courses may be taken at most universities throughout the academic year. Completed course in statistics should be approximately equivalent to PADM 5126. Applicants should seek advice from the Supervisor of the Ph.D. program about whether particular courses are acceptable as prerequisites.

All applicants whose first language is not English must demonstrate proficiency in the English language. (See Section 3.6 of the General Regulations section of this Calendar for details.)

Advanced standing will not normally be granted for any of the required courses described below. If granted, advanced standing will be limited to 1.0 credit.

Regulations

See the General Regulations section of this Calendar.

All candidates are required to obtain a grade of B- or higher in each course in the program.

The Diplomas are designed to be completed in two years while working full-time, although students may take the program on either a part-time or full-time basis.

The Graduate Diploma (Type 2) in Indigenous Policy and Administration may be taken concurrently with another graduate degree at Carleton University.

Regulations

See the General Regulations section of this Calendar.

A grade of B- or higher must normally be obtained in each course credited towards the M.P.P.A. A candidate may, with the recommendation of the M.P.P.A. Supervisor and the approval of the Dean of the Faculty of Graduate and Postdoctoral Affairs, be allowed a grade of C+ in courses totaling 1.0 credit.

Regularly Scheduled Break

For immigration purposes, the summer term (May to August) for the

- Master of Public Policy in Sustainable Energy and the Environment (coursework pathway)
- Master of Public Policy in Sustainable Energy and the Environment with Collaborative Specialization in Climate Change (coursework pathway)

is considered a regularly scheduled break approved by the University. Students should resume full-time studies in September.

Note: a Regularly Scheduled Break as described for immigration purposes does not supersede the requirement for continuous registration in Thesis, Research Essay, or Independent Research Project as described in Section 8.2 of the Graduate General Regulations.

Regulations

See the General Regulations section of this Calendar.

Co-operative Education

For information about how to apply for the Co-op program and how the Co-op program works, visit the Co-op website.

All graduate students participating in the Co-op program are governed by this Graduate Co-operative Education Policy.

Application Requirements

Graduate students are encouraged to apply to the Co-op Program during their first term of studies. Alternatively, students may delay their participation until later on, provided that they have mandatory credits remaining for degree completion.

Participation Requirements

Graduate students:

- must be registered as full-time before they begin their co-op job search and their co-op work term.

- will be registered in a Co-op Work Term course while at work. This course does not carry academic course credit, but is noted on academic transcripts.
- may register in a 0.5 credit during a work term, provided the course is offered during the evening or is offered asynchronously online.
- are not permitted to hold a Teaching Assistantship while on a co-op work term. Where eligible, Teaching Assistantships will be deferred to a later term.
- in receipt of internal or external scholarships should contact Graduate Studies to discuss the possible funding implications of being on a co-op work term
- must have mandatory courses left to complete following their final co-op work term. In cases where the graduate student has just a 0.5 credit left, he or she may request permission of the Co-op Office to complete this course during the work term.

Co-op Participation Agreement

All graduate students must adhere to the policies found within the Co-op Participation Agreement.

Communication with the Co-op Office

Graduate students must maintain regular contact with the Co-op Office during their job search and while on a work term. All email communication will be conducted via the student's Carleton email account.

Graduation with the Co-op Designation

In order to graduate with the Co-op Designation, graduate students must satisfy all requirements of the degree program in addition to the successful completion of two work terms. Students found in violation of the Co-op Participation Agreement may have the Co-op Designation withheld.

Employment

Although every effort is made to ensure a sufficient number of job postings for all Co-op students, no guarantee of employment can be made. The Co-op job search process is competitive, and success is dependent upon factors such as current market conditions, academic performance, skills, motivation, and level of commitment to the job search. It is the student's responsibility to apply for positions via the Co-op job board in addition to actively conducting a self-directed job search. Students who do not obtain a co-op work term are expected to continue with their academic studies. It should be noted that hiring priority for positions within the Federal Government of Canada is given to Canadian citizens.

Work Term Assessment and Evaluation

Work Term Evaluation

Employers are responsible for submitting to Carleton University final performance evaluations for their Co-op students at the end of their work terms.

Work Term Assessment

In order to successfully complete the co-op work term, graduate students must receive a Satisfactory (SAT) grade on their Co-op Work Term Report, which they must submit at the completion of each four-month work term.

Voluntary Withdrawal from the Co-op Option

Students who are currently on a co-op work term or who have already committed to a co-op work term either verbally or in writing may not leave the position and/or withdraw from the co-op option until they have completed the requirements of the work term.

Involuntary or Required Withdrawal from the Co-op Option

Graduate students may be removed from the Co-op Program for any of the following reasons:

1. Failure to attend all interviews for positions to which the student has applied;
2. Declining more than one job offer during the job search;
3. Reneging on a co-op position that the student has accepted either verbally or in writing;
4. Continuing a job search after accepting a co-op position;
5. Dismissal from a work term by the co-op employer;
6. Leaving a work term without approval from the Co-op Management Team;
7. Receipt of an unsatisfactory work term evaluation;
8. Receiving a grade of UNS on the work term report;

International Students

All Graduate International Students are required to possess a Co-op Work Permit issued by Immigration, Refugees and Citizenship Canada before they can begin working. The Co-operative Education Office will provide students with a letter of support to accompany their Co-op Work Permit application. Students are advised to discuss the application process and application requirements with the International Student Services Office.

Co-op Fees

All participating Co-op students are required to pay Co-op fees. For full details, please see the Co-op website.

Co-operative Education Option Master of Public Policy and Administration

Co-op option

Students are encouraged to apply for admission to the Co-operative Education Program by the end of their first term of academic study.

To be eligible for admission to Co-op, students must:

1. be enrolled in the Master of Public Policy and Administration;
2. have completed the pre-requisites below by the end of the winter term;
3. have successfully completed, by the start-date of the first work term, a total of 3.0 credits in first-year core MPPA courses. For students enrolled in ECON 1001 and/or ECON 1002, only 2.5 credits worth of first-year core MPPA courses must be completed prior to the start-date of the first work term;
4. be registered as a full-time student in each academic term prior to a work term;

5. be eligible to work in Canada (for off-campus work terms)

For more information, please refer to the Co-operative Education Policy.

Public Administration (PADM) Courses

PADM 5120 [0.5 credit]

Modern Challenges to Governance

Modern challenges to states, citizens, and policy-making, explored with the help of contemporary and historical thinkers. Topics may include: inequality; national security and intelligence gathering; identity; globalization and global finance; trade agreements and property rights; climate change and environmental challenges. Precludes additional credit for PADM 5115 (no longer offered).

PADM 5121 [0.5 credit]

Policy Analysis: The Practical Art of Change

Contemporary techniques of policy analysis. Topics may include: risk assessment, policy design, options analysis, and scenario-writing. Precludes additional credit for PADM 5116 (no longer offered).

PADM 5122 [0.5 credit]

Public Management: Principles and Approaches

Principles and processes of public-sector management as they function through cabinet-parliamentary government, federalism, the public service and the judiciary. Institutional reforms and changes in the philosophy of public sector management. Precludes additional credit for PADM 5117 (no longer offered).

PADM 5123 [0.5 credit]

Public Management in Practice

Contemporary public management practices. Topics may include: financial management, leadership, performance management, organizational design, human resource management, implementation.

PADM 5124 [0.5 credit]

Law and Ethics

The legal and normative environment of Canadian public administration, law, institutions and processes. The relationship between ethics, accountability and good governance. Canadian legal history, adjudicative procedures, delegation of powers to public authorities, procedural justice in decision making. Precludes additional credit for PADM 5412 (no longer offered) and PADM 5413 (no longer offered).

PADM 5125 [0.5 credit]**Qualitative Methods for Public Policy**

Qualitative methods and dimensions of policy research. Topics may include the formulation of research problems, research design and techniques for collecting and managing evidence, and the role of qualitative research in the analysis of public policies and programs. Precludes additional credit for PADM 5715, PADM 5113 (no longer offered).

PADM 5126 [0.5 credit]**Quantitative Methods for Public Policy**

Descriptive statistics, probability theory and sampling distributions, hypothesis testing of quantitative and qualitative population parameters, and regression analysis. Precludes additional credit for PADM 5114 (no longer offered).

PADM 5127 [0.5 credit]**Microeconomics for Policy Analysis**

Key concepts in microeconomic theory and their application to public policy. Topics may include incentives, rational choice theory, market structure, welfare economics, and strategic behaviour. Precludes additional credit for PADM 5111 (no longer offered). Prerequisite(s): ECON 1001 or equivalent.

PADM 5128 [0.5 credit]**Macroeconomics for Policy Analysis**

Theoretical foundations and current policy issues that relate to the level and growth of expenditure and production are analyzed in the Canadian and international context. Precludes additional credit for PADM 5112 (no longer offered). Prerequisite(s): ECON 1002 or equivalent.

PADM 5129 [0.5 credit]**Capstone Course**

An integrative workshop-based course in which teams of students develop and present strategies to address a policy problem. Includes: Experiential Learning Activity

PADM 5211 [0.5 credit]**Intergovernmental Relations**

Major cost-sharing and fiscal transfer agreements. The intergovernmental mechanisms for policy and administrative coordination in selected policy fields. Precludes additional credit for PADM 5003 (no longer offered).

PADM 5212 [0.5 credit]**Civil Society and Public Policy**

The influence of various interests, social movements, voluntary organizations and citizens in the policy process in a Canadian and comparative context.

PADM 5213 [0.5 credit]**Gender and Public Policy**

The impact of public policy on gender relations and how gender relations shape policy. Topics covered may include gender inequalities in earnings and employment, macroeconomic policy, gender and development, and gender-based analysis. Precludes additional credit for PADM 4701 and PADM 5701 (no longer offered). Also offered at the undergraduate level, with different requirements, as PADM 4213, for which additional credit is precluded.

PADM 5214 [0.5 credit]**Budgetary Policy in the Public Sector**

Selected aspects of the expenditure and revenue budget and budgetary process at all levels of government. Critical review of actual budgets and budgetary processes. Precludes additional credit for PADM 5103 (no longer offered). Also offered at the undergraduate level, with different requirements, as PADM 4214, for which additional credit is precluded.

PADM 5215 [0.5 credit]**Benefit-Cost Analysis**

Benefit-cost analysis and its application to public-sector investment, pricing policy, discount rates, marginal cost and shadow pricing, and the handling of risk and uncertainty. Prerequisite(s): PADM 5127 or equivalent.

PADM 5218 [0.5 credit]**Analysis of Socio-economic Data**

Correlation and regression analyses to test hypotheses about the relationships between socio-economic variables. Prerequisite(s): PADM 5126 or equivalent.

PADM 5220 [0.5 credit]**Regulation and Public Policy**

Political, economic, legal, and organizational theories of regulation in the Canadian and comparative context. Processes and consequences of regulatory practice in selected Canadian public policy fields. Also offered at the undergraduate level, with different requirements, as PADM 4220, for which additional credit is precluded.

PADM 5221 [0.5 credit]**Health Policy in Canada**

Canadian health policies and programs set in a comparative political-economic and institutional context. Also offered at the undergraduate level, with different requirements, as PADM 4221, for which additional credit is precluded.

PADM 5222 [0.5 credit]**Economics and Health Policy**

This course applies microeconomic theory to a discussion of health policy. Focus on issues of particular interest to a student of Canadian health care policy.

Prerequisite(s): PADM 5127 or equivalent.

PADM 5223 [0.5 credit]**Canadian Economic Policy**

Overview of Canadian economic development and how it has been affected by governments. Topics may be drawn from monetary, fiscal, industrial, trade, labour market or competition policies, viewed in contemporary and historical contexts.

Prerequisite(s): PADM 5128 or equivalent.

PADM 5224 [0.5 credit]**Indigenous Policy**

Canadian policies and programs on Indigenous peoples and Indigenous peoples' own policies as nations set in a comparative political-economic and institutional context. Precludes additional credit for PADM 5711, PADM 4806 (no longer offered) and PADM 5806 (no longer offered). Also offered at the undergraduate level, with different requirements, as PADM 4224, for which additional credit is precluded.

PADM 5225 [0.5 credit]**Trade Policy**

Canadian multilateral and regional trade policies and programs set in a comparative political-economic and institutional context.

Prerequisite(s): PADM 5127 or equivalent.

Also offered at the undergraduate level, with different requirements, as PADM 4225, for which additional credit is precluded.

PADM 5226 [0.5 credit]**Tax Policy**

Canadian tax policies set in a comparative political-economic and institutional context.

Prerequisite(s): PADM 5127 or equivalent.

Also offered at the undergraduate level, with different requirements, as PADM 4226, for which additional credit is precluded.

PADM 5227 [0.5 credit]**Education Policy**

Canadian policies and programs on education set in a comparative political-economic and institutional context. Also offered at the undergraduate level, with different requirements, as PADM 4227, for which additional credit is precluded.

PADM 5228 [0.5 credit]**Social Policy**

The nature and historical development of social programs in capitalist countries, with particular focus on Canada.

The course will concentrate on developing a critical understanding of the social forces shaping these programs.

Also offered at the undergraduate level, with different requirements, as PADM 4228, for which additional credit is precluded.

PADM 5229 [0.5 credit]**The Health of Populations**

Assessment of the medical model, and perspectives on the social and economic determinants of health, population health, and community health. The health of particular groups in Canada (e.g., women, Aboriginal peoples). International comparisons will be made.

PADM 5230 [0.5 credit]**Ethics for Public Policy**

The development and application of ethical theories to examine not simply what governments could do, but what they should do on the basis of consequences, principles, or motivations. Applications could include policies affecting climate change, income inequality, end of life, privacy, use of force.

Also offered at the undergraduate level, with different requirements, as PADM 4230, for which additional credit is precluded.

PADM 5291 [0.5 credit]**Directed Studies**

A tutorial or directed reading course on selected subjects related to policy analysis.

PADM 5372 [0.5 credit]**Policy Seminar (Data Science Specialization)**

One or more selected policy areas and topics related to policy and administration in the data science context. Topics will change each year.

PADM 5391 [0.5 credit]**Directed Studies (Data Science Specialization)**

A tutorial of directed reading on selected subjects related to data science.

PADM 5411 [0.5 credit]**Organization Theory**

Focusing on major theoretical approaches to organizations, the course develops practical insights into issues such as organizational design, leadership, technology, culture and diversity, motivation and power. It applies these insights to organizations in both the public and private sectors in a variety of national contexts.

PADM 5415 [0.5 credit]**Strategic Management in the Public Sector**

Key concepts, principles and tools of strategic management, and their use in planning and policy implementation in the public sector. Reviews critical perspectives and cases in order to identify some of the limitations of strategic management.

Includes: Experiential Learning Activity

PADM 5416 [0.5 credit]**Budgetary Management for the Public Sector**

Theory and practice of budgeting in the public sector. From a management perspective, the course focuses on the objectives, methods and systems for the control and reporting of expenditures.

PADM 5418 [0.5 credit]**Human Resources Management**

The field of human resources management including the roles of human resource departments, employee motivation, staffing, compensation, benefits, training and development and employee relations.

PADM 5419 [0.5 credit]**Industrial Relations and Public Sector Collective Bargaining**

The basic concepts of industrial relations, with respect to both public and private sector employees and organizations.

PADM 5420 [0.5 credit]**Policy and Program Evaluation**

Selected concepts, issues, and processes in applied governmental planning and evaluation, utilizing both Canadian and comparative experiences.

PADM 5422 [0.5 credit]**Urban and Local Government**

The role of municipal government in the context of Canadian federalism. Current economic, political and social trends affecting Canada's major urban centres including growth, amalgamation, fiscal reform, immigration, housing, community engagement, and sustainable development.

PADM 5423 [0.5 credit]**Third Sector Governance and Management**

Governance and management of voluntary/nonprofit organizations and their role in democracy, public policy, and service delivery.

PADM 5441 [0.5 credit]**Introduction to Policy and Program Evaluation**

Survey of evaluation in Canada and internationally. Topics include: Canadian context for public sector evaluation practice; approaches to research in evaluation; essentials of effective evaluation design, including logic modeling, theories of change/action, and contribution/attribution constructs.

PADM 5442 [0.5 credit]**Quantitative Research Methods in Evaluation**

Descriptive and inferential statistics, probability theory and sampling distributions, hypothesis testing of quantitative and qualitative population parameters, and regression analysis as these apply to the field of program evaluation.

PADM 5443 [0.5 credit]**Qualitative Research Methods in Evaluation**

Methods used in qualitative evaluation research. Topics include: formulating evaluation research questions; deriving research designs from questions; qualitative data gathering techniques and approaches; managing evidence, ethics reviews, and analysis of qualitative data.

PADM 5444 [0.5 credit]**Benefit-Cost Analysis for Program Evaluation**

Approaches to benefit-cost analysis in the Canadian evaluation context. Topics include: the role of benefit-cost analysis within program evaluation; its application to public sector investments, pricing and other forms of policy valuation; discount rates, marginal cost, and shadow pricing; risk and uncertainty.

PADM 5445 [0.5 credit]**Program Evaluation Planning and Designs**

Application of specific evaluation research designs to actual projects. Topics include: designs for formative, summative and developmental programs; designs for policy evaluation; attribution and contribution analysis; applied logic modeling; and managing evaluation projects at the planning stages.

Includes: Experiential Learning Activity

Prerequisite(s): PADM 5441, PADM 5442, PADM 5443, PADM 5444.

PADM 5446 [0.5 credit]
Program Evaluation Conduct, Analysis and Reporting

Application of evaluation conduct to actual projects. Topics include: selecting data analysis methods specific to a project; forming evaluation findings and recommendations; data visualization; reporting techniques; and management of evaluation projects at the conduct stages.

Includes: Experiential Learning Activity

PADM 5510 [0.5 credit]
Energy Economics

Micro- and macroeconomic concepts and techniques applied to such topics as international energy markets, energy production, and energy consumption.

PADM 5511 [0.5 credit]
Energy Management

The fundamentals of energy management, focusing on current practices in both private and public sector organizations.

PADM 5512 [0.5 credit]
International Politics of Sustainable Energy

Recent historical and contemporary developments in the role of energy in inter- and intranational relations, involving such topics as Canada/US relations, the international political economy of oil, energy security, and climate change.

PADM 5515 [0.5 credit]
Sustainable Energy Policy

The institutions involved in energy policy, the processes through which policy is made, and the substantive energy-related issues currently preoccupying policy makers. Precludes additional credit for PADM 5615.

PADM 5572 [0.5 credit]
Policy Seminar (Sustainable Energy)

One or more selected topics or specialized aspects of sustainable energy policy. The topic will change each year.

PADM 5611 [0.5 credit]
Science and Technology Policies

Theory and practice regarding governmental policies for science and technology, and the use of scientific knowledge in the policy and regulatory processes of government. Concerns regarding the ethical issues and the transparency of science in government.

Also offered at the undergraduate level, with different requirements, as PADM 4611, for which additional credit is precluded.

PADM 5612 [0.5 credit]
Industrial Policy, Innovation and Sustainable Production

Sustainable production theory and key drivers, barriers and opportunities influencing innovation in industrial systems and processes. The relationship of public policies and industry practices are explored in a number of sectors.

Also offered at the undergraduate level, with different requirements, as PADM 4612, for which additional credit is precluded.

PADM 5614 [0.5 credit]
Natural Resource Management

Governance and management of natural resources from a Canadian and international perspective. The use of various management instruments, regulatory approaches and community-based and co-management institutions are evaluated with evidence from several case studies from around the world.

PADM 5615 [0.5 credit]
Politics and Policy of Energy in Canada

Dilemmas associated with energy policy in Canada. Economic, social and environmental dimensions of energy decision making; Canadian issues within the context of a changing international scene and long term energy transitions.

Precludes additional credit for PADM 5515.

Also offered at the undergraduate level, with different requirements, as PADM 4615, for which additional credit is precluded.

PADM 5616 [0.5 credit]
Environmental Policy

Canadian environmental policies and programs set in a comparative political-economic and institutional context. Also offered at the undergraduate level, with different requirements, as PADM 4616, for which additional credit is precluded.

PADM 5618 [0.5 credit]
Environmental and Ecological Economics

Environmental and ecological economics with applications to public policy and environmental management issues. Concepts of sustainability, non-market valuation and ecological stability, the determination of environmental targets, and the use of policy instruments, incentives and emissions markets.

Prerequisite(s): PADM 5127 or equivalent.

PADM 5619 [0.5 credit]**Urban Sustainability**

Impact of economic growth and social change on cities and their attempts to forge sustainable growth. Incorporating political and fiscal issues, the focus is on 'smart growth' policies and initiatives in areas such as environmental control, transport, land use, housing and infrastructure.

PADM 5620 [0.5 credit]**The Science, Politics and Economics of Global Climate Change**

Scientific issues at the core of climate change and the domestic and international policy responses. Various environmental, economic, and political implications for both the developed and developing worlds and for the various regions of Canada.

PADM 5702 [0.5 credit]**Policy Seminars****PADM 5703 [0.5 credit]****Directed Studies (Indigenous Public Administration)**

A tutorial or directed reading course on selected subjects.

PADM 5711 [0.5 credit]**Indigenous-Canada Relations: Governance and Policy History**

Introduction to pre-contact history of select Indigenous nations and peoples, overview of contact period: the treaty relationship, evolving jurisprudence, changing power dynamics, federal and provincial administrative practices, contemporary and traditional forms of First Nations, Métis and Inuit governance. Contrasting approaches to understanding foundational events.

Includes: Experiential Learning Activity

Precludes additional credit for PADM 5224.

PADM 5712 [0.5 credit]**Issues in Contemporary Governance: First Nations, Métis and Inuit**

Diverse approaches to understanding and responding to the main governance issues facing contemporary and traditional First Nations, Inuit and Métis governments and organizations in Ontario and in the rest of Canada.

PADM 5713 [0.5 credit]**Public Administration in Indigenous Organizations and Governments**

Principles and processes of public administration relevant to Indigenous contexts and governments. Topics may include comparative government, federalism, Canadian constitutionalism, citizenship, leadership, and select topics in public policy. Includes a practicum.

Includes: Experiential Learning Activity

PADM 5714 [0.5 credit]**Financial Management in First Nations, Métis and Inuit Governments and Organizations**

Legislation, regulations, and financial management practices that apply in First Nations, Métis, Inuit organizations and governments. Sources and measures to mitigate and eliminate historical disparity, including asset management, strategic investment, and capital aggregation.

PADM 5715 [0.5 credit]**Policy Research and Evaluation for Indigenous Policy and Administration**

Policy research and program evaluation; applied research ethics, cultural and community protocols, legal frameworks, formulation of research problems, research design, and techniques for collecting and managing community-based and other data; research methodologies of specific Indigenous nations and peoples, and scholarly debates about epistemology and practice.

Precludes additional credit for PADM 5125.

PADM 5716 [0.5 credit]**Economic and Community Development in Indigenous Territories**

Community economic development theories; the ethics, benefits and costs of traditional, current and new approaches pertinent to building stable economies in rural and urban Aboriginal settings.

Includes: Experiential Learning Activity

PADM 5719 [0.5 credit]**Indigenous Health and Social Policy**

Development and delivery of health and social policies pertinent to Indigenous peoples living in diverse circumstances in Canada; theories and practices.

PADM 5772 [0.5 credit]**Policy Seminar (Indigenous Policy and Administration)**

One or more selected policy areas or specialized aspects of Indigenous Policy and Administration. The policy field or topic will change each year.

PADM 5814 [0.5 credit]**Program and Project Management**

The context, critical issues and methods relating to the planning and implementation of development programs and projects.

PADM 5815 [0.5 credit]**Civil Society Organizations and Development**

The context, roles, structures and strategies of nongovernmental organizations in the development process at the global, national and local levels. The role of development aid and NGOs is considered.

Also listed as IDMG 5615.

PADM 5817 [0.5 credit]**Health Policy in Developing Countries**

Debates regarding health policy in the developing world, in the context of the global health sector reform movement, trade and intellectual property regimes, and strategies of corporate and NGO actors. Issues of gender, class and the determinants of health.

Also listed as IDMG 5617.

Also offered at the undergraduate level, with different requirements, as PADM 4817, for which additional credit is precluded.

PADM 5908 [1.0 credit]**Research Essay**

Includes: Experiential Learning Activity

PADM 5909 [2.0 credits]**M.P.A. Thesis**

Includes: Experiential Learning Activity

PADM 5913 [0.0 credit]**Co-operative Work Term**

Includes: Experiential Learning Activity

Prerequisite(s): registration in the Co-operative Education Option of the M.A. program and permission of the Co-op Supervisor.

PADM 6010 [0.5 credit]**Current Issues in Public Policy**

Current issues in Canadian public policy, their historical contexts, and interdisciplinary approaches to analyzing them. Issues may include inequality, gender, environment, Indigenous governance, US/Canada relations, populism. Approaches to analysis may include contemporary and classic thinkers.

Precludes additional credit for PADM 6114 (no longer offered).

PADM 6011 [0.5 credit]**Theoretical Foundations of Public Policy**

Normative and explanatory theories fundamental to public policy, drawing on multiple social science disciplines and incorporating ethical, economic, and political/administrative perspectives. Topics may include utilitarianism, rights-based traditions, contractualism, market failure, life-course dynamics.

Precludes additional credit for PADM 6111(no longer offered).

PADM 6012 [0.5 credit]**Policy Process and Institutions**

Various theoretical approaches to policy-making. Topics may include policy formation, agenda-setting, institutionalism, theories of the bureau, theories of policy change, policy design and implementation, policy evaluation, advocacy and coalitions, private policy-making.

Precludes additional credit for PADM 6112(no longer offered).

PADM 6013 [0.5 credit]**Research Design for Public Policy**

Introduction to the analytical challenges to the study of public policy, and ways of addressing them. Exploration of why particular explanatory, interpretive and normative research questions are asked; and why particular theories, units of analysis, concepts, methods and data are used. Precludes additional credit for PADM 6113 (no longer offered).

PADM 6200 [0.5 credit]**Doctoral Research Seminar**

Issues in developing research proposals and conducting public policy research; includes research presentations by senior doctoral students and faculty. Required for second-year doctoral students who present their thesis proposals. Issues surrounding quantitative or qualitative methods in public policy analysis may be discussed. Graded Pass/Fail.

PADM 6201 [0.5 credit]**Doctoral Research Seminar**

Presentations on research skills and strategies such as ethics approval, bibliographic software, work-flow management, subsequent publication. Supervised independent research projects preliminary to Ph.D. Thesis, drawing upon interdisciplinary approaches to study of public policy. Graded SAT/UNS.

Precludes additional credit for PADM 6200.

Prerequisite(s): PADM 6900.

PADM 6900 [0.5 credit]**Ph.D. Comprehensive Examination**

Ph.D. preparation for the comprehensive examination.
The grade to be awarded will be that obtained on the comprehensive examination.

PADM 6901 [0.5 credit]**Ph.D. Specialization Tutorial**

A Ph.D. tutorial covering advanced theory and research in an area of specialization generally related to public policy. Specific topics will be selected in consultation with, and must be approved by, the academic supervisor and Ph.D. co-ordinator.

PADM 6902 [0.5 credit]**Ph.D. Specialization Tutorial**

A Ph.D. tutorial covering advanced theory and research in an area of specialization generally related to public policy. Specific topics will be selected in consultation with, and must be approved by, the academic supervisor and Ph.D. co-ordinator.

PADM 6909 [0.0 credit]**Ph.D. Thesis**

A thorough investigation of a public policy issue that integrates multiple disciplines into the analysis.

Includes: Experiential Learning Activity

Prerequisite(s): successful public defence of written thesis proposal.

PADM 6911 [0.0 credit]**Ph.D. Proposal**

Under the direction of thesis (co-)supervisor, development of a research proposal that will guide the Ph.D. thesis research investigation. Concludes with public defence of written thesis proposal.

Prerequisite(s): PADM 6900 and PADM 6201.