



DATE: November 19, 2025

TO: Senate

FROM: Dr. David J. Hornsby, Vice-Provost (Academic and Global Learning), and Chair, Senate Quality Assurance and Planning Committee

RE: Calendar Curriculum Proposals
Major Modifications

Background

Following Faculty Board approval, as part of academic quality assurance, major curriculum modifications are considered by the Senate Quality Assurance and Planning Committee (SQAPC) before being recommended to Senate. Major curriculum modifications are also considered by the Senate Committee on Curriculum, Admissions and Studies Policy (SCCASP).

Library Reports (as required)

In electronic communication members of the Library staff, upon review of the proposals, confirmed no additional resources were required for the major modifications included below.

Documentation

Recommended calendar language, along with supplemental documentation as appropriate, are provided for consideration and approval.

Omnibus Motion

In order to expedite business with the multiple changes that are subject to Senate approval at this meeting, an omnibus motion will be moved and include all items below. Senators may wish to identify any of the major modifications that they feel warrant individual discussion that will then not be covered by the omnibus motion. Independent motions as set out below will nonetheless be written into the Senate minutes for those major modifications that Senators agree can be covered by the omnibus motion.

THAT Senate approve the major modifications as presented below.
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Major Modifications

1. Concentration in Arts Management

SCCASP approval: November 4, 2025

SQAPC approval: November 13, 2025

Senate Motion November 28, 2025

THAT Senate approve the deletion of the graduate concentration in Arts Management as presented with effect from Fall 2026.

2. ECMP 5015

SCCASP approval: November 4, 2025

SQAPC approval: November 13, 2025

Senate Motion November 28, 2025

THAT Senate approve the introduction of ECMP 5015 as presented with effect from Fall 2025.

3. MA in Economics

SCCASP approval: November 4, 2025

SQAPC approval: November 13, 2025

Senate Motion November 28, 2025

THAT Senate approve the degree change in Economics from an MA to an MSC as presented with effect from Fall 2026.

4. MUSI 5909

SCCASP approval: November 4, 2025

SQAPC approval: November 13, 2025

Senate Motion November 28, 2025

THAT Senate approve the major modification to MUSI 5909 as presented with effect from Fall 2026.

A deleted record cannot be edited

Program Delete Proposal

Date Submitted: 06/12/25 12:51 pm

Viewing: **TBD-1502 : MBA
Concentration in Arts Management**

Last approved: 05/10/17 3:26 pm

Last edit: 10/16/25 2:27 pm

Last modified by: nataliephelan

Changes proposed by: [jessicawhitney](#)

In Workflow

1. **ARTC ChairDir GR**
2. **BUSI ChairDir GR**
3. **AS Dean**
4. **BUS Dean**
5. **AS GFCC**
6. **AS FBoard**
7. **BUS GFCC**
8. **BUS FBoard**
9. **PRE SCCASP**
10. **SCCASP**
11. **SQAPC**
12. **Senate**
13. **CalEditor**

Approval Path

1. 07/04/25 1:19 pm
Mitchell Frank
(mitchellfrank):
Approved for ARTC
ChairDir GR
2. 07/07/25 1:54 pm
Emily Gray
(emilygray): Approved
for BUSI ChairDir GR
3. 08/24/25 10:13 am
Pascal Gin (pascalgin):
Approved for AS Dean
4. 08/25/25 9:27 am
Luciara Nardon
(luciaranardon):
Approved for BUS
Dean
5. 10/01/25 8:14 am
Sarah Mohammed
(sarahmohammed):
Approved for AS
GFCC
6. 10/13/25 11:14 am
Pascal Gin (pascalgin):
Approved for AS
FBoard

7. 10/14/25 8:53 am
Luciara Nardon
(luciaranardon):
Approved for BUS
GFCC
8. 10/14/25 8:54 am
Luciara Nardon
(luciaranardon):
Approved for BUS
FBoard

History

1. Jan 27, 2017 by
Sandra Bauer
(sandrabauer)
2. Feb 3, 2017 by Sandra
Bauer (sandrabauer)
3. May 10, 2017 by
Sandra Bauer
(sandrabauer)

Calendar Pages Using this Business Program

Effective Date	2026-27
Workflow	<u>majormod</u> minormod
Program Code	TBD-1502
Level	Graduate
Faculty	Sprott School of Business Faculty of Arts and Social Sciences
Academic Unit	School of Business School for Studies in Art and Culture
Degree	Master of Business Administration
Title	MBA Concentration in Arts Management

Program Requirements

M.B.A. Concentration in Arts Management (2.25 credits)

Concentration requirements:

1. 1.25 credits in:		1.25
MGMT 5129 [0.5]	Managing the Arts	
MKTG 5229 [0.5]	Marketing in the Arts and Culture Sectors	
MGMT 5128 [0.25]	Ethical Issues in Managing Arts and Culture Organizations	
2. 1.0 credit in elective concentration courses, taken from one of the following three areas:		1.0
Art History		
ARTH 5112 [0.5]	Special Topics in Historiography, Methodology and Criticism	
ARTH 5113 [0.5]	Special Topics in Pre-Modernity	
ARTH 5114 [0.5]	Special Topics in Feminism and Gender	
ARTH 5115 [0.5]	Special Topics in Modern and Contemporary Art	
ARTH 5117 [0.5]	Special Topics in Community/Identity	
ARTH 5210 [0.5]	Special Topics in Indigenous Art	
ARTH 5218 [0.5]	Special Topics in Museum Studies and Curatorial Practice	
ARTH 5403 [0.5]	Special Topics in Architecture and Its Institutions	
ARTH 5500 [0.5]	Special Topics in Photography and Its Institutions	
Canadian Studies		
CDNS 5302 [0.0]	Course CDNS 5302 Not Found	
CDNS 5401 [0.5]	Heritage Conservation: History, Principles, and Concepts	
CDNS 5402 [0.5]	Heritage Conservation: Theory in Practice	
Music		
One credit from any of the courses between MUSI 5000 and MUSI 5201 (inclusive). Some courses require permission of the department.		
Total Credits		2.25

New Resources

Summary	Following a motion at May 2024 Sprott Faculty Board: R. Ritchie moves seconded by MBA CRC that the MBA concentration in Arts Management be REMOVED from the Graduate Calendar This motion was carried.
Rationale for change	This concentration has not generated interest from students, and has not been offered. It's removal is to clean up the calendar to be an accurate reflection of our offerings.
Transition/Implementation	remove concentration; courses associated with it can stay on the books as potential electives should the market demand them

Program reviewer comments

nataliephelan (10/16/25 2:27 pm): Changed eff. date to 26-27.

New Course Proposal

Date Submitted: 09/05/25 2:33 pm

Viewing: **ECMP 5015 : Special Capstone Project Course**

Last edit: 10/30/25 10:40 am

[Changes proposed by: OlenaSivachenko](#)

In Workflow

1. **ENPR ChairDir GR**
2. **ENG Dean**
3. **ENG GFCC**
4. **ENG FBoard**
5. **PRE SCCASP**
6. **SCCASP**
7. SQAPC
8. Senate
9. Banner

Approval Path

1. 09/23/25 3:18 pm
Prashant Waghmare
(PrashantWaghmare):
Approved for ENPR
ChairDir GR
2. 10/20/25 11:54 am
Jeffrey Erochko
(jeffreyerochko):
Approved for ENG
Dean
3. 10/20/25 2:50 pm
Jeffrey Erochko
(jeffreyerochko):
Approved for ENG
GFCC
4. 10/27/25 2:32 pm
Jeffrey Erochko
(jeffreyerochko):
Approved for ENG
FBoard
5. 10/29/25 4:52 pm
Angel Wagner
(angelwagner):
Approved for PRE
SCCASP

Effective Date	2025-26
Workflow	majormod
New Resources	
Level	Graduate
Course Code	ECMP
Course Number	5015

Title	Special Capstone Project Course
Title (short)	Special Capstone Project Cours
Faculty	Faculty of Engineering and Design
Academic Unit	Engineering Practice
Credit Value	0.25
Special/Selected Topics	Not Applicable
Significant Experiential Learning	Applied Research Project
Course Description	Students will develop professional-level experience by applying previously acquired knowledge to a research and design project. Project meetings discuss project-related issues and student presentations. A project proposal, interim report, oral presentations, and a comprehensive final report are required.
Prerequisite(s)	permission of the Engineering Practice office.
Class Format	
Precluded Courses	
Also listed as	
Piggybacked Courses	
U Ottawa Code	
Grade Mode	Satisfactory/Unsatisfactory
Schedule Type	*Capstone *May constitute a major modification under Carleton's IQAP. Please consult https://carleton.ca/viceprovost/major-minor-modifications/ for more details.
Unpaid Placement	No
Summary	A new course added for international students under the MOU agreement, not a course for ENPR M.Eng students. These students will arrive in January, hence the 25-26 effective date.
Rationale for new course	The proposed course addresses the critical need for students to integrate theoretical knowledge with practical application through a structured research and design project. As industry standards increasingly emphasize hands-on experience and interdisciplinary collaboration, this course offers students an invaluable opportunity to develop professional-level skills in project management, problem-solving, and technical communication. By engaging in an authentic research and design project, students will refine their ability to conceptualize, plan, and execute complex tasks, preparing them for real-world professional environments.
Course reviewer comments	nataliephelan (09/10/25 11:29 am): Changed effective date to 26-27. nataliephelan (10/30/25 10:40 am): Changed back to 25-26 eff. date and added

Template for Major Modifications: A1

MEMORANDUM

To: Vice-President's Academic and Research Committee (VPARC)

From: Chris Worswick, Chair, and Maya Papineau, MA Program Supervisor, Department of Economics

CC: Brenda O'Neill, Dean of FPGA, Vandna Bhatia, Associate Dean (Academic), FPGA

Date: June 4, 2025

Subject: Major Modification to MA Economics. Track A1 (Major Modification)

Modification Description

We would like to rename our M.A. Economics degree as an M.Sc. Economics degree. This would be part of a refocusing our Master program on more quantitative and especially greater expectation of econometric/data science training for our Master's students.

The principal rationale for the degree name change:

While economics as a discipline grew out of moral philosophy, it has had a quantitative nature since its beginning due to the fact that so many key variables are quantitative in nature (e.g. prices, quantities of goods and services, incomes and trade flows) as can be seen in Adam Smith's foundational work in *The Wealth of Nations* published in 1776. In addition, theories of competition among firms by the economists Cournot in 1838 and Bertrand in 1883 provided a foundation for modern game theory that was generalized through the proof of existence of an equilibrium in a general form for a non-cooperative game in 1951 by the mathematician, John Nash, who won the Nobel Prize in Economics¹ in 1994. In 1946, Paul Samuelson's transformative book formalizing the theory of demand and supply (inspired by the classical thermodynamic methods) was published and this led the discipline of economics to fully embrace the use of mathematics as the principal way of expressing theoretical work and carrying out economic policy analysis. Awarded the 1970 Nobel Prize in Economics for this work, Samuelson's mathematical structure for the choices of economic agents, combined with the emergence of large micro data on individuals and firms, led to a revolution in statistical work in economics (econometrics). Key insights on methods for dealing with non-random selection in economics were developed by Nobel laureates such as James Heckman (2000), Esther Duflo (2019) and the Canadian, David Card (2021). Given this history, of economics coming from philosophy but embracing modern

¹ Formally called the Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel.

mathematical and statistical methods, it is not surprising that Master's programs in Economics can be found as both a Master of Arts and as a Master of Science.

An M.Sc. Economics degree would be novel in Canada, but it exists in many universities in the UK and other countries. Notable examples can be found at [London School of Economics](#) and [University College London](#). [University of Oxford](#) offers three M.Sc. degrees in the economics sub-fields of Economic and Social History, Economics for Development, and Financial Economics. There are also M.Sc. programs in other countries such as [Northeastern University](#), [Stockholm School of Economics](#) and [HEC Lausanne](#). New M.Sc. degrees in Economics are also coming online. [University of Glasgow](#) has just introduced a new program: "MSc Economics with economics and econometrics pathways."

Switching from an M.A. degree to an M.Sc. degree would signal the fact that our program has a strong focus on quantitative methods for economic research. For our data science students, which represents about 40% of our current students, we think this would be more appealing as having 'Science' rather than 'Arts' in the title. For example, the title M.Sc. Economics with collaborative specialization in Data Science is more consistent with the job of an economic data scientist which is currently in high demand in the job market. For the remaining students, we think this would also be an appealing name change (e.g. M.Sc. Economics with concentration in Financial Economics). Master level financial economics programs are sometimes offered jointly between economics departments and business schools where the M.Sc. degree name is more common than the M.A. degree name, so this change could lead to an increase in demand for our Master's program with concentration in Financial Economics. The degree name change is also consistent with the fact that we have raised our Master-level econometrics training over recent years (with a new required 0.5 credit being added six years ago in response to student feedback from a previous cyclical review). We plan to push our Master level programs further in this direction as can be seen below. Finally, this proposed change to our Master's degree name is also consistent with the M.Sc. in Management at Carleton that has received permission from the Dean of Science.

This degree name change would also be a signal that we have a strong econometric/data science group providing our M.Sc. Economics students with strong foundational skills and capacity to learn in quantitative economics. Ba Chu, Matt Webb and Thomas Russell are all faculty members in our department who are econometricians with strong publishing records able to provide top quality econometrics and economic data science training to our Master's students. In addition, our department also has very strong applied econometricians such as Kostas Metaxoglou, Louis-Philippe Beland and Minjoon Lee (to name just a few) who are able to teach excellent courses based on a quantitative approach to economics.

The proposed degree name change will differentiate our Master's program from other Master's in Economics programs in Canada. This degree name and emphasis on quantitative economics would differentiate our program from the M.A. Economics program at the University of Ottawa (which requires only a single 0.5 credit course in econometrics which is half what our current M.A. program requires at 1.0 credits in econometrics), and many other programs across Ontario and (more generally) Canada. It is also worth noting that our CRC nominee, Thomas Russell, is an outstanding young econometrician who

has been teaching our data science courses, so this fits with the priority and direction already set by our Department.

The change in the degree name to an M.Sc. will also signal the greater emphasis of our program on mathematical and statistical analysis relative to the other programs at Carleton that contain at least some economics content, such as the M.A. in Political Economy and the Master of Public Policy and Administration. These programs require much less training in economics, mathematics and statistics prior to admission (and during the programs themselves) than does our Master's program in Economics.

Description of changes to program structure:

Currently, our M.A. Economics students must take 0.5 credit courses in microeconomics (5020), macroeconomics (5021), econometrics (5027) and a research methods course (5029) that includes a research paper. The students must also choose a 0.5 credit course from a list of three econometrics courses (financial econometrics, micro-econometrics and financial economics). Combined, the students complete 2.0 credits in highly quantitative courses based on a combination of economic theory and statistics applied to economic problems. We plan to retain this basic structure with the following changes:

- i) **We would add the new Economic Data Science – Analytics (ECON 5708) course to the list of the three econometrics electives.** We have been teaching this course as a special topics course. It is very popular with virtually all of our data science specialization students who take this course. It has been taught in recent years by Dr. Thomas Russell.
- ii) **We would rename our ECON 5029 Methods of Economics Research course as ECON 5029 Economic Research Paper** to make it clearer to students and potential employers that the course involves original research.

Similar changes would apply to our thesis pathways for students with the ECON 5909 M.A. thesis course **renamed ECON 5909 M.Sc. thesis course.**

For our popular coursework version of the **Master's program with concentration in Financial Economics**, we plan to further raise the econometrics/data science minimum training that the student receives by eliminating several more applied economics electives options from a list and adding ECON 5708 Economic Data Science – Analytics and ECON 5712 Micro-Econometrics to that list. This change will better prepare the students for quantitative analysis in the area of financial economics and is in keeping with our shift towards more quantitative training in general, and further supports the name change from M.A. to M.Sc.

For our increasingly popular coursework **Master's program with the collaborative specialization in Data Science**, we plan to make ECON 5708 Economic Data Science – Analytics a required course and adjust the set of data science elective options adding ECON 5709 Economic Data Science – Applications (which has been taught by Dr. Russell as a special topics course and has been very popular) and dropping the more applied courses, ECON 5361 Labour Economics I and ECON 5362 Labour Economics II, as well as the rarely offered ECON 5700 Economic and Social Measurement. These changes are consistent with our pivot towards more quantitative offering at the Master's level and will better prepare our data science

Master level students for work as economic data scientists which is an increasingly popular area for hiring by employers in the federal government, at the Bank of Canada, and in the private sector. Similar changes will be made for the thesis version of this program.

Removing the two graduate labour economics courses from the list of data science electives will reduce the student numbers somewhat in those courses, but allow the instructors to tailor the content to be more focused on the needs of the PhD students in the Ottawa-Carleton Graduate School of Economics (our joint institute with uOttawa). These will also remain popular courses among our MA students so we are not concerned about any impacts on our course offerings.

The table below provides an indication of the number of students currently in each of the versions of our M.A. Economics degree.

Fall 2024-2025 MA Enrollment		
Program	#'s	%
MA-no concentration	11	26%
MA-Data Science	17	40%
MA-Financial Economics	10	23%
MA-Climate Change	4	9%
MA-African Studies	1	2%
Totals	43	100%

We anticipate continuing with **primarily in-person delivery of Master's program.**

Notes:

Impact on Other Programs

We do not expect this change to have an impact on other programs at Carleton. In particular, we do not expect this modification to draw students away from existing programs since we already provide the most mathematical training in economics at the Master's level at Carleton and we are just moving further in that same direction.

We expect a beneficial effect of these changes on recruitment for our own Ph.D. program in Economics. The students we would likely attract to the proposed M.Sc. Economics degree would be expected to have stronger mathematical and analytical skills making them stronger candidates for our Ph.D. program in Economics.

Impact on Learning Outcomes and Curriculum Map

The renaming of the degree from M.A. Economics to M.Sc. Economics and the associated program changes described above, have no effect on the learning goals of the program. Learning outcomes and degree level expectations are included in the Appendix 1 for informational purposes.

The program changes do have implications for **the Program curriculum map** and a summary is provided in Appendix 2.

Societal Need

A Master's degree in Economics is seen as the minimum requirement needed to be identified as an economist. Our MA graduates go on to successful careers in government, in the private sector and with NGOs. Based on feedback we have received from our alumni, quantitative skills are increasingly in demand and differentiate our graduates from graduates of other Master's programs such as those focussed on public policy or MBAs. Also, with the Large Language Model (LLM) revolution, data science skills are in demand and our graduates from the proposed M.Sc. Economics with collaborative specialization in Data Science would be well positioned to be leaders in this area.

Students

Based on feedback from faculty, students in our program and alumni from our program, we expect a 10-20% increase in our total enrolment at the Master's level after these proposed changes are implemented. The fact that an M.Sc. Economics degree would be novel in Canada and the fact that econometrics and economic data science skills are in high demand by employers means that we expect this new degree name to be popular with more quantitative students and draw students to Carleton who would otherwise have pursued an M.A. in Economics elsewhere in Canada.

Resources:

No new resources required:

- a. *Faculty resources:* No additional faculty are required.
- b. *Contract instructors:* No additional contract instructors are required.
- c. *Administrative support:* No additional administrative support is required due to the proposed change.
- d. *Library resources:* No additional resources are anticipated.
- e. *Space:* No additional space will be needed.
- f. *Equipment:* No additional equipment will be needed.
- g. *Graduate student funding:* No additional base or fiscal funds are required.

Governance

We do not anticipate any impact on or introduction of governance as a result of this modification.

Tuition

We would like tuition for the M.Sc. Economics to remain the same as the current tuition for the M.A. Economics both for domestic and international students.

Appendix 1:

M.Sc. in Economics

Learning Outcomes	Degree Level Expectations Met
1. Critically assess the current literature to identify gaps in current knowledge.	DLE01: greater (and more critical) familiarity with the current literature directly contributes to the depth and breadth of knowledge; DLE05: by identifying gaps in current knowledge, students become aware of the limits of knowledge.
2. Conduct an independent research project that advances economic knowledge.	DLE02: conducting a research project directly contributes to the development of research skills, and to scholarship; DLE03: the research project provides an ideal opportunity for students to apply the knowledge acquired through coursework; DLE06: pursuing a research project enhances student understanding of the limits of knowledge; DLE04: an independent research project provides students not only with the opportunity to produce the sort of work that might be expected of a professional economist, but also very much strengthens their capacity to work independently.
3. Drawing appropriately on microeconomic, macroeconomic, and/or econometric theory and methods, analyze economic models of interaction between agents, and interpret the insights obtained from the analysis.	DLE01: the analysis of economic models of interaction, and the interpretation of results, strengthens students' mastery of the depth and breadth of economic knowledge; DLE03: students have the opportunity to apply Master-level knowledge and skills to challenging problems.
4. Analyze and evaluate economic policies and suggest alternative policies.	DLE03: The analysis of economic policies provides well-defined opportunity to apply knowledge; DLE06: the study of actual policy problems forces students to

	confront the limits of knowledge, as actual problems are not ‘textbook’ cases.
5. Communicate and discuss economic ideas and research.	DLE02: communicating and discussing economic ideas and research strengthens students’ research and scholarship; DLE05: such activities also clearly strengthen communication skills
6. Communicate ideas and research findings clearly in writing.	DLE02: communicating ideas and research findings in writing in and of itself strengthens students’ research and scholarship; DLE05: such activities also clearly strengthen communication skills.

Appendix 2:

The goal of curriculum mapping is to show where the opportunities to develop the skills and abilities articulated in the learning outcomes are present in the program:

1 = Learning outcome addressed slightly

2 = Learning outcomes addressed, but not fully developed

3 = Learning outcome addressed and developed fully

Below we lay out the structure of the different versions of our proposed M.Sc. Economics.

M.Sc. Economics

Program Components		LO1	LO2	LO3	LO4	LO5	LO6
	Course number or Description						
Core Courses	Econ 5020 Microeconomic theory	3	1	3	1	2	2
	Econ 5021 Macroeconomic theory	3	1	3	1	2	2
	ECON 5027 Econometrics I	3	1	3	1	2	2
Econometrics/data science elective [0.5 credit]	ECON 5055 Financial econometrics	3	1	3	1	2	2
	ECON 5708 Economic Data Science: Analytics	3	1	3	1	2	2
	ECON 5712 Micro-econometrics	3	1	3	1	2	2

Program Components		LO1	LO2	LO3	LO4	LO5	LO6
	Course number or Description						
	ECON 5713 Times series econometrics	3	1	3	1	2	2
Coursework Option	1.5 CR. APPROVED COURSES in ECON courses at 5000 level; 0.5 CR. may be in COMP, DATA, MATH, or STAT at 5000 level with permission of MSc Supervisor	3	1	2	2	2	3
	ECON 5029 Economic Research Project	3	3	3	3	3	2
Thesis option	0.5 CR. Approved Courses in COMP, DATA, ECON, MATH, or STAT with permission of the MSc Program Supervisor	3	1	2	2	2	3
	ECON 5909 [1.5 CR.] M.Sc. Thesis	3	3	3	3	3	3

All Carleton MA in Economics students must successfully complete ECON 5020, ECON 5021 and ECON 5027 as described in the Curriculum Map for the MA Program in the table above. Students taking the coursework option must also successfully complete ECON 5029, 0.5 credits from a list of three econometrics courses (ECON 5055, ECON 5712 and ECON 5713) and we propose adding an economic data science course to this list (ECON 5708). Students must also complete 1.5 credits of approved elective courses. Students taking the thesis option do not need to take ECON 5029 and must both complete a thesis (1.5 credits) and complete 0.5 credits of approved electives in addition to the requirements described above.

Below, we present the curriculum maps of the concentration in Financial Economics, the collaborative specialization in Data Science, the collaborative specialization in Climate Change, and the collaborative specialization in African Studies. Students taking one of these concentration/specializations must successfully complete ECON 5020, ECON 5021 and ECON 5027. The curriculum map table in each case shows how the requirements of the concentration/specialization can be met using the remaining credits of the 2.5 credits of the (4.0 credit) MA Program in Economics through either the coursework option or the thesis option.

Concentration in Financial Economics

Program Components			LO1	LO2	LO3	LO4	LO5	LO6
	Course number or Description							
Core Courses	ECON 5051 Asset Pricing		3	1	2	2	2	3
	ECON 5052 financial markets and instruments		3	1	2	2	2	3
Coursework Option	0.5 cr. in:	ECON 5055 Financial Econometrics	3	1	2	1	2	3
		ECON 5712 Micro-Econometrics	3	1	3	1	2	2
		ECON 5713 Time Series Econometrics	3	1	3	1	2	2
	ECON 5029 Economic Research Project		3	3	3	3	3	2
	0.5 CR in COMP, DATA, ECON, MATH or STAT at 5000 level with permission of the MSc Supervisor		3	1	2	2	2	3
Thesis Option	ECON 5909 [1.5 CR.] M.Sc. Thesis		3	3	3	3	3	3

Specialization in Data Science:

Program Components			LO1	LO2	LO3	LO4	LO5	LO6
	Course number or Description							
Core Courses	DATA 5000 Data Science Seminar		3	1	1	1	1	3
	ECON 5708 Economic Data Science - Analytics		3	1	2	1	2	3
Coursework Option	0.5 cr. in:	ECON 5055 Financial Econometrics	3	1	2	1	2	3
		ECON 5709 Economic Data Science - Applications	3	1	2	1	2	3
		ECON 5712 Micro-Econometrics	3	1	2	1	2	3
		ECON 5713 Time-Series Econometrics	3	1	2	1	2	3
		0.5 CR in COMP, DATA, ECON, MATH or STAT at 5000 level with permission of the MSc Supervisor		3	1	2	2	2
	ECON 5029 Economic Reseach Project on Data Science Topic		3	3	3	3	3	3
Thesis Option	ECON 5909 [1.5 CR.] M.Sc. Thesis on Data Science Topic		3	3	3	3	3	3

Note that we are adding an economic data science course (5708) so we are removing the data science elective to leave the students with a single 0.5 credit free elective.

Specialization in Climate Change:

Note that the economics version of the specialization in Climate Change has a somewhat different structure than the other economics concentration/specializations and this makes it difficult to require a

second econometrics/data science course. Below is the current structure assuming that only ECON 5020, ECON 5021, and ECON 5027 are taken as the core courses.

However, the fact that the students must do 1.0 credits in the Climate Collaboration which is interdisciplinary in nature crossing both the social sciences and physical sciences justifies the use of the M.Sc. degree name, M.Sc. Economics with collaborative specialization in Climate Change.

Program Components		LO1	LO2	LO3	LO4	LO5	LO6
	Course number or Description						
Core Courses	CLIM 5000 [1.0] Climate Collaboration	2	1	1	2	2	2
	CLIM 5800 [0.0] Climate Seminar Series	2	1	2	2	2	2
	0.5 cr. in:	ECON 5507 Environmental Aspects of Economic Development	3	1	2	2	3
		ECON 5507 Economics of Natural Resources	3	1	2	2	3
		ECON 5803 Economics of Natural Resources	3	1	2	2	3
		ECON 5804 Economics of the Environment	3	1	2	2	3
		ECON 5805 Topics in Environmental and Resource Economics	3	1	2	2	3
		or approved Special Topic in the area of Climate Change	3	1	2	2	3
Coursework Option							
	0.5 CR in COMP, DATA, ECON, MATH or STAT at 5000 level with permission of the MSc Supervisor	3	1	2	2	2	3
	ECON 5029 Economic Research Project	3	3	3	3	3	3
Thesis Option	ECON 5909 [1.5 CR.] M.Sc. Thesis on Climate Change Topic	3	3	3	3	3	3

Specialization in African Studies:

Program Components			LO1	LO2	LO3	LO4	LO5	LO6
	Course number or Description							
Core Courses	AFRI 5000 African Studies as a Discipline: Historical and Current Perspectives		3	1	1	1	1	3
	AFRI 5800 [0.0 CR] Scholarly Preparation in African Studies		3	1	1	1	1	3
	0.5 cr. in:	ECON 5500 Theory of Economic Development	3	1	2	2	2	3
		ECON 5504 Economic Development: Domestic Aspects	3	1	2	2	2	3
		ECON 5505 Economic Development: International Aspects	3	1	2	2	2	3
	Coursework Option	0.5 CR. African Studies elective		3	1	1	1	1
0.5 CR in COMP, DATA, ECON, MATH or STAT at 5000 level with permission of the MSc Supervisor		3	1	2	2	2	3	
ECON 5029 Economic Research Project on African Studies Topic		3	3	3	3	3	3	
Thesis Option	ECON 5909 [1.5 CR.] M.Sc. Thesis on African Studies topic		3	3	3	3	3	3



Office of the Dean
Faculty of Public and Global Affairs
D391 Loeb Building
1125 Colonel By Drive
Ottawa, ON Canada, K1S 5B6
Tel: (613) 520-3741
Fax: (613) 520-3742
www.carleton.ca/fpga

April 24, 2025

Re: Proposal to change degree name to MSc in Economics.

I have read the Executive Summary on the proposal to change the degree name from MA Economics to MSc Economics. The proposal has my approval.

Sincerely,

A handwritten signature in black ink that reads "Brenda O'Neill". The signature is written in a cursive, flowing style.

Brenda O'Neill,
Dean

STATEMENT OF SUPPORT FROM SISTER UNIT

RE: Major modification – degree name change from M.A. Economics to M.Sc. Economics.

☒ I support this change unconditionally.

☐ I do not support this change.

☐ I support this change, with the following reservations:

Signature: 

Name: Maria DeRosa

Title: Dean of Science

Date: June 2, 2025

Notes:

The Faculty of Science supports this proposal. It is important to note that members of the School of Mathematics and Statistics have recommended that at least one Faculty of Science course be made mandatory for this MSc degree. However, considering that some Faculty of Science courses are included as electives in the proposal, we feel comfortable providing our full endorsement.

Date Submitted: 09/11/25 11:18 pm

Viewing: **MA-41 : M.Sc. ~~M.A.~~Economics**

Last approved: 06/17/24 4:12 pm

Last edit: 09/19/25 1:53 pm

Last modified by: christopherworswick

Changes proposed by: reneelortie

In Workflow

1. **ECON ChairDir GR**
2. **PA Dean**
3. **PA GFCC**
4. **PA FBoard**
5. **PRE SCCASP**
6. SCCASP
7. SQAPC
8. Senate
9. CalEditor

Approval Path

1. 09/12/25 9:33 am
Christopher Worswick
(christopherworswick):
Approved for ECON
ChairDir GR
2. 09/19/25 12:05 pm
Vandna Bhatia
(vandnabhatia):
Rollback to ECON
ChairDir GR for PA
Dean
3. 09/19/25 1:53 pm
Christopher Worswick
(christopherworswick):
Approved for ECON
ChairDir GR
4. 09/19/25 2:50 pm
Vandna Bhatia
(vandnabhatia):
Approved for PA Dean
5. 09/30/25 10:33 am
Vandna Bhatia
(vandnabhatia):
Approved for PA GFCC
6. 10/06/25 11:39 am
Vandna Bhatia
(vandnabhatia):
Approved for PA
FBoard

History

- 1. Jun 25, 2014 by sandra
- 2. May 3, 2017 by Sandra Bauer (sandrabauer)
- 3. May 3, 2017 by Sandra Bauer (sandrabauer)
- 4. Feb 10, 2020 by Amanda Wright (amandawright)
- 5. Jun 17, 2024 by Sandra Bauer (sandrabauer)

Calendar Pages Using this Economics Program

Effective Date	2026-27
Workflow	<u>majormod</u> minormod
Program Code	MA-41
Level	Graduate
Faculty	Faculty of Public Affairs
Academic Unit	Department of Economics
Degree	Master of <u>Science</u> Arts
Title	<u>M.Sc.</u> M.A. Economics

Program Requirements

M.Sc. ~~M.A.~~Economics (4.0 credits)

Requirements - Coursework pathway (4.0 credits)

1. 1.5 credits in:		1.5
<u>ECON 5020</u> [0.5]	Microeconomic Theory	
<u>ECON 5021</u> [0.5]	Macroeconomic Theory	
<u>ECON 5027</u> [0.5]	Econometrics I	
2. 0.5 credit in:		0.5
<u>ECON 5029</u> [0.5]	Economics Research Paper	

3. 0.5 credit from:		0.5
<u>ECON 5055</u> [0.5]	Financial Econometrics	
<u>ECON 5708</u> [0.5]	<u>Economic Data Science - Analytics</u>	
<u>ECON 5712</u> [0.5]	Micro-Econometrics	
<u>ECON 5713</u> [0.5]	Time-Series Econometrics	
4. 1.5 credits in approved electives		1.5
<u>4. 1.0 credit in ECON courses at the 5000-level which may include an additional course from the list above in #3.</u>		<u>1.0</u>
<u>5. 0.5 credit in a 5000-level elective in ECON, COMP, DATA, MATH, or STAT with permission of the M.Sc. Supervisor.</u>		<u>0.5</u>
Total Credits		4.0
Requirements - Thesis pathway (4.0 credits)		
1. 1.5 credits in:		1.5
<u>ECON 5020</u> [0.5]	Microeconomic Theory	
<u>ECON 5021</u> [0.5]	Macroeconomic Theory	
<u>ECON 5027</u> [0.5]	Econometrics I	
2. 0.5 credit from:		0.5
<u>ECON 5055</u> [0.5]	Financial Econometrics	
<u>ECON 5708</u> [0.5]	<u>Economic Data Science - Analytics</u>	
<u>ECON 5712</u> [0.5]	Micro-Econometrics	
<u>ECON 5713</u> [0.5]	Time-Series Econometrics	
3. 0.5 credit in a 5000-level elective in ECON, COMP, DATA, MATH, or STAT with permission of the M.Sc. Supervisor, which may also include an additional course from the list above in #2.		0.5
4. 1.5 credits in:		1.5
<u>ECON 5909</u> [1.5]	Master's Thesis	
Total Credits		4.0

New Resources	No New Resources
Summary	Change of program from M.A. to M.Sc. Economics; addition of ECON 5708 to list of econometrics courses; addition of elective from COMP, DATA, MATH, or STAT.
Rationale for change	M.Sc. more representative of the quantitative and technical content of the program's courses.
Transition/Implementation	<p>Updates required to graduate application, Viewbook, Grad Flyer, Graduate Studies' and Dept. of Economics webpages. Impact on program advising and audits will be minor due to relatively similar program structure. Current M.A. Economics students will be able to complete their M.A. Economics program during the transition. They will also have the option to switch to the M.Sc. Economics, with advising support from the M.Sc. Program Supervisor and Graduate Administrator in the Department of Economics to ensure they meet the slightly different program requirements.</p> <p>VPARC has approved the proposal to move forward to the next steps of the academic planning process. As no additional resources are required, the proposal does not require the Provost's Budget Working Group's (BPWG) approval.</p>

Program reviewer
comments

vandnabhatia (09/19/25 12:05 pm): Rollback: As discussed.

Key: 901

Date Submitted: 09/12/25 10:06 am

Viewing: **TBD-1139 : M.Sc.**
**~~M.A.~~Economics with Collaborative
Specialization in Data Science**

Last approved: 06/17/24 4:15 pm

Last edit: 09/19/25 1:59 pm

Last modified by: christopherworswick

Changes proposed by: reneelortie

In Workflow

1. **ECON ChairDir GR**
2. **PA Dean**
3. **PA GFCC**
4. **PA FBoard**
5. **PRE SCCASP**
6. SCCASP
7. SQAPC
8. Senate
9. CalEditor

Approval Path

1. 09/12/25 9:46 am
Christopher Worswick
(christopherworswick):
Rollback to Initiator
2. 09/12/25 10:11 am
Christopher Worswick
(christopherworswick):
Approved for ECON
ChairDir GR
3. 09/19/25 12:06 pm
Vandna Bhatia
(vandnabhatia):
Rollback to ECON
ChairDir GR for PA
Dean
4. 09/19/25 2:00 pm
Christopher Worswick
(christopherworswick):
Approved for ECON
ChairDir GR
5. 09/19/25 2:52 pm
Vandna Bhatia
(vandnabhatia):
Approved for PA Dean
6. 09/30/25 10:33 am
Vandna Bhatia
(vandnabhatia):
Approved for PA GFCC
7. 10/06/25 11:58 am
Vandna Bhatia
(vandnabhatia):
Approved for PA

FBoard

History

- 1. May 12, 2015 by sandra
- 2. May 3, 2017 by Sandra Bauer (sandrabauer)
- 3. Feb 10, 2020 by Amanda Wright (amandawright)
- 4. Mar 2, 2022 by Sandra Bauer (sandrabauer)
- 5. Jan 26, 2023 by Najia Haneefi (najiahaneefi)
- 6. Jun 17, 2024 by Sandra Bauer (sandrabauer)

Calendar Pages Using this Program Data Science (Collaborative Specialization) Economics

Effective Date	2026-27
Workflow	<u>majormod</u> minormod
Program Code	TBD-1139
Level	Graduate
Faculty	Faculty of Public Affairs Faculty of Public Affairs
Academic Unit	Department of Economics Department of Economics
Degree	Master of <u>Science</u> Arts
Title	<u>M.Sc.</u> M.A. Economics with Collaborative Specialization in Data Science

Program Requirements

M.Sc. ~~M.A.~~ Economics
with Collaborative Specialization in Data Science (4.0 credits)

Requirements - Coursework pathway (4.0 credits)

1. 1.5 credits in:		1.5
<u>ECON 5020</u> [0.5]	Microeconomic Theory	
<u>ECON 5021</u> [0.5]	Macroeconomic Theory	
<u>ECON 5027</u> [0.5]	Econometrics I	
2. 0.5 credit in:		0.5
<u>DATA 5000</u> [0.5]	Introduction to Data Science	
3. 0.5 credit in:		0.5
<u>ECON 5708</u> [0.5]	<u>Economic Data Science - Analytics</u>	
4. 0.5 credit in:		0.5
<u>ECON 5029</u> [0.5]	Economics Research Paper	
on a data science related topic.		
5. 0.5 credit from:		<u>0.5</u>
<u>ECON 5055</u> [0.5]	Financial Econometrics	
ECON 5361 [0.5]	Labour Economics I	
ECON 5362 [0.5]	Labour Economics II	
ECON 5700 [0.0]	Course ECON 5700 Not Found	
<u>ECON 5709</u> [0.5]	<u>Economic Data Science - Applications</u>	
<u>ECON 5712</u> [0.5]	Micro-Econometrics	
<u>ECON 5713</u> [0.5]	Time-Series Econometrics	
or approved Special Topics course (ECON 5880) in the area of Data Science		
6. 0.5 credit in: a 5000-level elective in ECON, COMP, DATA, MATH, or STAT with permission of the M.Sc. Supervisor, which may also include an additional course from the list above in #5.		0.5
6. 0.5 credit in Data Science elective (which may be an additional course from the preceding list) approved by the M.A. Supervisor of the Department of Economics		0.5
Total Credits		4.0
Requirements - Thesis pathway (4.0 credits)		
1. 1.5 credits in:		1.5
<u>ECON 5020</u> [0.5]	Microeconomic Theory	
<u>ECON 5021</u> [0.5]	Macroeconomic Theory	
<u>ECON 5027</u> [0.5]	Econometrics I	
2. 0.5 credit in:		0.5
<u>DATA 5000</u> [0.5]	Introduction to Data Science	
3. 0.5 credit in:		<u>0.5</u>
<u>ECON 5708</u> [0.5]	<u>Economic Data Science - Analytics</u>	
4. 1.5 credit in:		1.5
<u>ECON 5909</u> [1.5]	Master's Thesis	
on a data science topic approved by the Data Science governance committee		
4. 0.5 credit from:		0.5
ECON 5055 [0.5]	Financial Econometrics	
ECON 5361 [0.5]	Labour Economics I	
ECON 5362 [0.5]	Labour Economics II	
ECON 5700 [0.0]	Course ECON 5700 Not Found	

~~ECON 5712 [0.5]~~~~Micro-Econometrics~~~~ECON 5713 [0.5]~~~~Time Series Econometrics~~~~or approved Special Topics course (ECON 5880) in the area of Data Science~~

Total Credits

4.0

New Resources	No New Resources
Summary	Switch from Master of Arts to Master of Science and addition of MATH, COMP, DATA and STAT elective option.
Rationale for change	M.Sc. name more representative of the quantitative and technical content of the program's courses.
Transition/Implementation	<p>Updates required to graduate application, Viewbook, Grad Flyer, Graduate Studies' and Dept. of Economics webpages. Impact on program advising and audits will be minor due to relatively similar program structure. Current M.A. Economics students will be able to complete their M.A. Economics program during the transition. They will also have the option to switch to the M.Sc. Economics, with advising support from the M.Sc. Program Supervisor and Graduate Administrator in the Department of Economics to ensure they meet the slightly different program requirements.</p> <p>VPARC has approved the proposal (at June 2025 meeting) to move forward to the next steps of the academic planning process.</p> <p>As no additional resources are required, the proposal does not require the Provost's Budget Working Group's (BPWG) approval.</p>
Program reviewer comments	<p>christopherworswick (09/12/25 9:46 am): Rollback: Please add 'on a data science related topic' to 5029 description. Note also I am removing the reference to the Faculty of Science as the program will remain in FPGA. Also, I am including the reference to the date of the VPARC meeting where all this was approved.</p> <p>vandnabhatia (09/19/25 12:06 pm): Rollback: As discussed.</p>

Key: 1139

Date Submitted: 09/11/25 11:35 pm

Viewing: **MA-41F : M.Sc.**
~~M.A.~~Economics with Concentration
in Financial Economics

Last approved: 06/17/24 4:13 pm

Last edit: 09/19/25 2:01 pm

Last modified by: christopherworswick

Changes proposed by: reneelortie

In Workflow

1. **ECON ChairDir GR**
2. **PA Dean**
3. **PA GFCC**
4. **PA FBoard**
5. **PRE SCCASP**
6. SCCASP
7. SQAPC
8. Senate
9. CalEditor

Approval Path

1. 09/12/25 9:49 am
Christopher Worswick
(christopherworswick):
Approved for ECON
ChairDir GR
2. 09/19/25 12:06 pm
Vandna Bhatia
(vandnabhatia):
Rollback to ECON
ChairDir GR for PA
Dean
3. 09/19/25 2:01 pm
Christopher Worswick
(christopherworswick):
Approved for ECON
ChairDir GR
4. 09/19/25 2:50 pm
Vandna Bhatia
(vandnabhatia):
Approved for PA Dean
5. 09/30/25 10:33 am
Vandna Bhatia
(vandnabhatia):
Approved for PA GFCC
6. 10/06/25 11:59 am
Vandna Bhatia
(vandnabhatia):
Approved for PA
FBoard

History

- 1. May 3, 2017 by Sandra Bauer (sandrabauer)
- 2. May 3, 2017 by Sandra Bauer (sandrabauer)
- 3. Feb 10, 2020 by Amanda Wright (amandawright)
- 4. Jun 17, 2024 by Sandra Bauer (sandrabauer)

Calendar Pages Using this Economics Program

Effective Date	2026-27
Workflow	<u>majormod</u> minormod
Program Code	MA-41F
Level	Graduate
Faculty	Faculty of Public Affairs
Academic Unit	Department of Economics
Degree	Master of <u>Science</u> Arts
Title	<u>M.Sc.</u> M.A. Economics with Concentration in Financial Economics

Program Requirements

M.Sc. ~~M.A.~~Economics with Concentration in Financial Economics (4.0 credits)

Requirements - Coursework pathway (4.0 credits)

1. 1.5 credits in:		1.5
<u>ECON 5020</u> [0.5]	Microeconomic Theory	
<u>ECON 5021</u> [0.5]	Macroeconomic Theory	
<u>ECON 5027</u> [0.5]	Econometrics I	
2. 1.0 credit in:		1.0
<u>ECON 5051</u> [0.5]	Asset Pricing	

<u>ECON 5052</u> [0.5]	Financial Markets and Instruments	
3. 0.5 credit in:		0.5
<u>ECON 5029</u> [0.5]	Economics Research Paper	
<u>in the area of financial economics.</u>		
4. 0.5 credit in	elective concentration from:	0.5
<u>ECON 5055</u> [0.5]	Financial Econometrics	
ECON 5058 [0.5]	Advanced Topics in Financial Economics	
ECON 5602 [0.5]	International Monetary Theory and Policy	
ECON 5608 [0.5]	Monetary Economics and Financial Intermediation	
<u>ECON 5708</u> [0.5]	<u>Economic Data Science - Analytics</u>	
<u>ECON 5712</u> [0.5]	<u>Micro-Econometrics</u>	
<u>ECON 5713</u> [0.5]	Time-Series Econometrics	
5. 0.5 credit in	a 5000-level elective in ECON, COMP, DATA, MATH, or STAT with permission of the M.Sc. Supervisor, which may also include an additional course from the list above in #4.	0.5
Total Credits		4.0
Requirements - Thesis pathway (4.0 credits)		
1. 1.5 credits in:		1.5
<u>ECON 5020</u> [0.5]	Microeconomic Theory	
<u>ECON 5021</u> [0.5]	Macroeconomic Theory	
<u>ECON 5027</u> [0.5]	Econometrics I	
2. 1.0 credit in:		1.0
<u>ECON 5051</u> [0.5]	Asset Pricing	
<u>ECON 5052</u> [0.5]	Financial Markets and Instruments	
3. 1.5 credit in:		1.5
<u>ECON 5909</u> [1.5]	Master's Thesis	
<u>in the area of Financial Economics.</u>		
Total Credits		4.0

New Resources	No New Resources
Summary	Switch from Master of Arts to Master of Science; deletion of 3 concentration elective courses (two of which are no longer offered); and addition of MATH, COMP, DATA and STAT elective option.
Rationale for change	M.Sc. title more representative of the quantitative and technical content of the program's courses.
Transition/Implementation	Updates required to graduate application, Viewbook, Grad Flyer, Graduate Studies' and Dept. of Economics webpages. Impact on program advising and audits will be minor due to relatively similar program structure. Current M.A. Economics students will be able to complete their M.A. Economics program during the transition. They will also have the option to switch to the M.Sc. Economics, with advising support from the M.Sc. Program Supervisor and Graduate Administrator in the Department of Economics to ensure they meet the slightly different program requirements. VPARC has approved (at the June, 2025, meeting) the proposal to move forward to the next steps of the academic planning process.

As no additional resources are required, the proposal does not require the Provost's Budget Working Group's (BPWG) approval.

Program reviewer
comments

vandnabhatia (09/19/25 12:06 pm): Rollback: As discussed.

Key: 902

Date Submitted: 09/12/25 10:07 am

Viewing: **MA-41AS : M.Sc.**
**~~M.A.~~Economics with Collaborative
Specialization in African Studies**

Last approved: 06/17/24 4:14 pm

Last edit: 09/19/25 1:53 pm

Last modified by: christopherworswick

Changes proposed by: reneelortie

In Workflow

1. **ECON ChairDir GR**
2. **PA Dean**
3. **PA GFCC**
4. **PA FBoard**
5. **PRE SCCASP**
6. SCCASP
7. SQAPC
8. Senate
9. CalEditor

Approval Path

1. 09/12/25 9:38 am
Christopher Worswick
(christopherworswick):
Rollback to Initiator
2. 09/12/25 10:10 am
Christopher Worswick
(christopherworswick):
Approved for ECON
ChairDir GR
3. 09/19/25 12:05 pm
Vandna Bhatia
(vandnabhatia):
Rollback to ECON
ChairDir GR for PA
Dean
4. 09/19/25 1:54 pm
Christopher Worswick
(christopherworswick):
Approved for ECON
ChairDir GR
5. 09/19/25 2:51 pm
Vandna Bhatia
(vandnabhatia):
Approved for PA Dean
6. 09/30/25 10:33 am
Vandna Bhatia
(vandnabhatia):
Approved for PA GFCC
7. 10/06/25 11:40 am
Vandna Bhatia
(vandnabhatia):
Approved for PA

FBoard

History

1. May 12, 2015 by
sandra

2. May 3, 2017 by Sandra
Bauer (sandrabauer)

3. Mar 1, 2022 by Sandra
Bauer (sandrabauer)

4. Jun 17, 2024 by
Sandra Bauer
(sandrabauer)

Calendar Pages Using this Program

African Studies
Economics

Effective Date	2026-27
Workflow	<u>majormod</u> minormod
Program Code	MA-41AS
Level	Graduate
Faculty	Faculty of Public Affairs
Academic Unit	Department of Economics
Degree	Master of <u>Science</u> Arts
Title	<u>M.Sc.</u> M.A. Economics with Collaborative Specialization in African Studies

Program Requirements

M.Sc. ~~M.A.~~Economics
with Collaborative Specialization in African Studies (4.0 credits)

Requirements - Coursework pathway (4.0 credits)

1. 1.5 credits in:

ECON 5020 [0.5]Microeconomic Theory

ECON 5021 [0.5]Macroeconomic Theory

ECON 5027 [0.5]Econometrics I

2. 0.5 credit in:
- 1.5

0.5

<u>AFRI 5000</u> [0.5]	African Studies as a Discipline: Historical and Current Perspectives	
3. 0.0 credit in:		0.0
<u>AFRI 5800</u> [0.0]	Scholarly Preparation in African Studies	
4. 0.5 credit in:		0.5
<u>ECON 5029</u> [0.5]	Economics Research Paper	
on an African Studies topic approved by the Graduate Committee of the Institute of African Studies		
5. 0.5 credit in	African Studies elective approved by the M.Sc. Supervisor of the Department of Economics	0.5
6. 1.0 credit in ECON approved by the M.A. Supervisor of the Department of Economics, including at least 0.5 credit from ECON 5500, ECON 5504, ECON 5505		1.0
6. 0.5 credit from <u>ECON 5500</u> , <u>ECON 5504</u> , <u>ECON 5505</u>		<u>0.5</u>
7. 0.5 credit in a 5000-level elective in <u>ECON</u> , <u>COMP</u> , <u>DATA</u> , <u>MATH</u> , or <u>STAT</u> approved by the M.Sc. Supervisor.		<u>0.5</u>
Total Credits		4.0
Requirements - Thesis pathway (4.0 credits)		
1. 1.5 credits in:		1.5
<u>ECON 5020</u> [0.5]	Microeconomic Theory	
<u>ECON 5021</u> [0.5]	Macroeconomic Theory	
<u>ECON 5027</u> [0.5]	Econometrics I	
2. 0.5 credit in:		0.5
<u>AFRI 5000</u> [0.5]	African Studies as a Discipline: Historical and Current Perspectives	
3. 0.0 credit in:		0.0
<u>AFRI 5800</u> [0.0]	Scholarly Preparation in African Studies	
4. 1.5 credit in:		1.5
<u>ECON 5909</u> [1.5]	Master's Thesis	
on an African Studies topic approved by the Graduate Committee of the Institute of African Studies		
5. 0.5 credit from:		0.5
<u>ECON 5500</u> [0.5]	Development Economics I	
<u>ECON 5504</u> [0.5]	Development Economics II	
<u>ECON 5505</u> [0.5]	Selected Topics in Development Economics	
Total Credits		4.0

New Resources	No New Resources
Summary	Switch from Master of Arts to Master of Science; and addition of MATH, COMP, DATA and STAT elective option.
Rationale for change	M.Sc. title more representative of the quantitative and technical content of the program's courses.
Transition/Implementation	Updates required to graduate application, Viewbook, Grad Flyer, Graduate Studies' and Dept. of Economics webpages. Impact on program advising and audits will be minor due to relatively similar program structure. Current M.A. Economics students will be able to complete their M.A. Economics program during the transition. They will also have the option to switch to the M.Sc. Economics, with advising support from the M.Sc. Program Supervisor and Graduate Administrator in the Department of Economics to ensure they meet the slightly different program requirements.

VPARC has approved the proposal to move forward to the next steps of the academic planning process.

As no additional resources are required, the proposal does not require the Provost's Budget Working Group's (BPWG) approval.

Program reviewer
comments

christopherworswick (09/12/25 9:38 am): Rollback: Can you edit M.A. Supervisor to M.Sc. Supervisor in the coursework version. Could not seem to do the edit myself.

vandnabhatia (09/19/25 12:05 pm): Rollback: As discussed.

Key: 903

Date Submitted: 09/12/25 11:06 am

Viewing: **41CH : M.Sc. ~~M.A.~~Economics
with Collaborative Specialization in
Climate Change**

Last approved: 03/02/22 1:12 pm

Last edit: 09/19/25 1:58 pm

Last modified by: christopherworswick

Changes proposed by: reneelortie

In Workflow

1. **ECON ChairDir GR**
2. **PA Dean**
3. **PA GFCC**
4. **PRE SCCASP**
5. SCCASP
6. SQAPC
7. Senate
8. CalEditor

Approval Path

1. 09/12/25 9:41 am
Christopher Worswick
(christopherworswick):
Rollback to Initiator
2. 09/15/25 9:29 am
Christopher Worswick
(christopherworswick):
Approved for ECON
ChairDir GR
3. 09/19/25 12:05 pm
Vandna Bhatia
(vandnabhatia):
Rollback to ECON
ChairDir GR for PA
Dean
4. 09/19/25 1:59 pm
Christopher Worswick
(christopherworswick):
Approved for ECON
ChairDir GR
5. 09/19/25 2:51 pm
Vandna Bhatia
(vandnabhatia):
Approved for PA Dean
6. 09/30/25 10:33 am
Vandna Bhatia
(vandnabhatia):
Approved for PA GFCC

History

1. Feb 4, 2022 by Najia Haneefi (najiahaneefi)

2. Mar 2, 2022 by Sandra Bauer (sandrabauer)

Calendar Pages Using this Program Economics
Climate Change (Collaborative Program)

Effective Date	2026-27
Workflow	<u>majormod</u> minormod
Program Code	41CH
Level	Graduate
Faculty	Faculty of Public Affairs
Academic Unit	Department of Economics
Degree	Master of Arts
Title	<u>M.Sc.</u> M.A. Economics with Collaborative Specialization in Climate Change

Program Requirements

M.Sc. ~~M.A.~~ Economics
with Collaborative Specialization in Climate Change (4.0 credits)

Requirements - Coursework pathway (4.0 credits)		
1. 1.0 credit in:		1.0
<u>CLIM 5000</u> [1.0]	Climate Collaboration	
2. 0.0 credit in:		
<u>CLIM 5800</u> [0.0]	Climate Seminar Series	
3. 1.5 credit in:		1.5
<u>ECON 5020</u> [0.5]	Microeconomic Theory	
<u>ECON 5021</u> [0.5]	Macroeconomic Theory	
<u>ECON 5027</u> [0.5]	Econometrics I	
4. 0.5 credit in:		0.5
<u>ECON 5029</u> [0.5]	Economics Research Paper	
on a Climate Change related topic.		
5. 0.5 credit in:		0.5
<u>ECON 5507</u> [0.5]	Environmental Aspects of Economic Development	
<u>ECON 5803</u> [0.5]	Economics of Natural Resources	

ECON 5804 [0.5]

Economics of the Environment

ECON 5805 [0.5]

Topics in Environmental and Resource Economics

6. 0.5 credit in a 5000-level elective in ECON, COMP, DATA, MATH, or STAT with permission of the M.Sc. Supervisor, which may also include an additional course from the list above in #5. 0.5

Total Credits 4.0

Requirements - Thesis pathway (4.0 credits)

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

ECON 5020 [0.5]

Microeconomic Theory

ECON 5021 [0.5]

Macroeconomic Theory

ECON 5027 [0.5]

Econometrics I

4. 1.5 credits in: 1.5

ECON 5909 [1.5]

Master's Thesis

on a climate change topic approved by the M.Sc. Supervisor.

Total Credits 4.0

New Resources

No New Resources

Summary

Switch from Master of Arts to Master of Science; and addition of MATH, COMP, DATA and STAT elective option.

Rationale for change

M.Sc.title more representative of the quantitative and technical content of the program's courses.

Transition/Implementation

Updates required to graduate application, Viewbook, Grad Flyer, Graduate Studies' and Dept. of Economics webpages. Impact on program advising and audits will be minor due to relatively similar program structure. Current M.A. Economics students will be able to complete their M.A. Economics program during the transition. They will also have the option to switch to the M.Sc. Economics, with advising support from the M.Sc. Program Supervisor and Graduate Administrator in the Department of Economics to ensure they meet the slightly different program requirements.

VPARC has approved (at June, 2025 meeting) the proposal to move forward to the next steps of the academic planning process.

As no additional resources are required, the proposal does not require the Provost's Budget Working Group's (BPWG) approval.

Program reviewer
comments

christopherworswick (09/12/25 9:41 am): Rollback: Please add 'on a climate related project' to the description of ECON 5029.

vandnabhatia (09/19/25 12:05 pm): Rollback: As discussed.

Key: 2103

Date Submitted: 08/21/25 3:51 pm

Viewing: **MUSI 5909 : M.A. Thesis**

Last approved: 03/13/19 3:17 am

Last edit: 10/28/25 12:09 pm

Changes proposed by: kristinguth

Calendar Pages referencing this course	Music (MUSI). Music and Culture
Programs referencing this course	M.A. Music and Culture with Collaborative Specialization in African Studies M.A. Music and Culture with Collaborative Specialization in Accessibility M.A. Music and Culture M.A. Music and Culture with Collaborative Specialization in Digital Humanities

In Workflow

- 1. ARTC ChairDir GR
- 2. AS GFCC
- 3. AS FBoard
- 4. PRE SCCASP
- 5. SCCASP
- 6. SQAPC
- 7. Senate
- 8. CalEditor
- 9. Banner

Approval Path

- 1. 08/21/25 4:30 pm
Mitchell Frank
(mitchellfrank):
Approved for ARTC ChairDir GR
- 2. 09/30/25 3:41 pm
Sarah Mohammed
(sarahmohammed):
Approved for AS GFCC
- 3. 10/13/25 11:17 am
Pascal Gin (pascalgin):
Approved for AS FBoard
- 4. 10/20/25 9:40 am
Natalie Phelan
(nataliephelan):
Approved for PRE SCCASP

History

- 1. Mar 13, 2019 by
mikelabreque

Effective Date	2026-27
Workflow	majormod minormod
Level	Graduate
Course Code	MUSI
Course Number	5909
Title	M.A. Thesis

Title (short)	M.A Thesis
Faculty	Faculty of Arts and Social Sciences
Academic Unit	School for Studies in Art and Culture
Credit Value	<u>1.50</u> 2.0
Special/Selected Topics	<u>Not Applicable</u>
Significant Experiential Learning	Applied Research Project
Course Description	
Prerequisite(s)	
Class Format	
Precluded Courses	
Also listed as	
Piggybacked Courses	
U Ottawa Code	
Grade Mode	Thesis/Dissertation
Schedule Type	*Masters Thesis *May constitute a major modification under Carleton's IQAP. Please consult https://carleton.ca/viceprovost/major-minor-modifications/ for more details.
Unpaid Placement	No
Summary	Reduce weight of MUSI 5909 (MA Thesis) from 2.0 to 1.5
Rationale for change	The reduction in thesis weighting reflects typical workload for an MA thesis. This change in the program align with other MA programs in SSAC.
Course reviewer comments	nataliephelan (10/28/25 12:09 pm): Changed to major mod workflow.

Key: 6056

[Preview Bridge](#)