Carleton University
Canada's Capital University

Office of the Vice-Provost and
Associate Vice-President
(Academic)

memorandum

DATE: March 11, 2022

TO: Senate

FROM: Dr. Dwight Deugo, Vice-Provost and Associate Vice-President (Academic), and Chair, Senate
        Quality Assurance and Planning Committee

RE: 2022-23 Calendar Curriculum Proposals
        Graduate Major Modifications

Background

Following Faculty Board approval and, 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).

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, the following omnibus motion will be moved. Senators may wish to identify any of the following 2 changes 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.

Major Modifications

1. **Master of Information Technology: Network Technology**
   SCCASP approval: February 1, 2022
   SQAPC approval: March 10, 2022

Senate Motion March 25, 2022

THAT Senate approve the major modification to the to the Master of Information Technology: Network Technology program and the deletion of ITEC 5905 as presented with effect from Fall 2022.

2. **MA in History Collaborative Specialization in Climate Change**
   SCCASP approval: March 1, 2022
   SQAPC approval: March 10, 2022

Senate Motion March 25, 2022

THAT Senate approve the introduction of the Collaborative Specialization in Climate Change to the MA in History program as presented with effect from Fall 2022.

Date Submitted: 08/30/21 6:48 pm

Viewing: **TBD-1301 : Master of Information Technology: Network Technology**

Last approved: 02/10/20 2:56 pm

Last edit: 02/15/22 11:28 am

Last modified by: sandrabauer

Changes proposed by: riaakaiwa

In Workflow

1. **BIT ChairDir GR**
2. **PRE GRAD FCC**
3. **GRAD Dean**
4. **GRAD FCC**
5. **GRAD FBoard**
6. **PRE SCCASP**
7. **SCCASP**
8. **SQAPC**
9. Senate
10. CalEditor

Approval Path

1. 09/27/21 11:11 pm
   Chris Joslin (chrisjoslin):
   Approved for BIT
   ChairDir GR
2. 12/03/21 4:38 pm
   Sandra Bauer
   (sandrabauer): Approved
   for PRE GRAD FCC
3. 12/09/21 12:28 pm
   Sandra Bauer
   (sandrabauer): Approved
   for GRAD Dean
4. 12/20/21 12:22 pm
   Sandra Bauer
   (sandrabauer): Rollback
   to GRAD Dean for GRAD
   FCC
5. 01/12/22 1:00 pm
   Sandra Bauer
   (sandrabauer): Approved
   for GRAD Dean
6. 01/12/22 1:03 pm
   Sandra Bauer
   (sandrabauer): Approved
   for GRAD FCC
7. 01/19/22 10:49 am
   Sandra Bauer
   (sandrabauer): Approved
   for GRAD FBoard
8. 01/28/22 2:12 pm
   Natalie Phelan
   (nataliephelan):
   Approved for PRE
   SCCASP
9. 02/08/22 12:09 pm
   Erika Strathearn

(erikastrathearn):
Approved for SCCASP

History

1. Jan 8, 2016 by Sandra Bauer (sandrabauer)
2. Mar 10, 2017 by Erenia Hernandez Oliver (ereniaoliver)
3. May 5, 2017 by Sandra Bauer (sandrabauer)
4. May 5, 2017 by Sandra Bauer (sandrabauer)
5. May 5, 2017 by Sandra Bauer (sandrabauer)
6. May 5, 2017 by Sandra Bauer (sandrabauer)
7. Mar 22, 2019 by Sandra Bauer (sandrabauer)
8. Feb 10, 2020 by Hana Jabi (hanajabi)

Calendar Pages Using this Program	**Information Technology**
Effective Date	2022-23
Workflow	**majormod** ~~minormod~~
Program Code	TBD-1301
Level	Graduate
Faculty	Faculty of Engineering and Design
Academic Unit	School of Information Technology
Degree	Master of Information Technology
Title	Master of Information Technology: Network Technology

Program Requirements

Master of Information Technology: Network Technology (5.0 credits)

Requirements - Coursework pathway:

1. **0.5 credit in:**   0.5

     ITEC 5002 [0.5]   Fundamentals of Information Technology Research

2. 0.0 credit in:

ITEC 5001 [0.0]   Information Technology Seminars

~~3. 2.0 credits from core courses:~~   ~~2.0~~

3. 2.5 credits from core courses: **2.5**

ITEC 5010 [0.5]   **Applied Programming I**

ITEC 5100 [0.5]   Planning and Design of Computer Networks

ITEC 5101 [0.5]   Cross Layer Design for Wireless Multimedia Networks

ITEC 5102 [0.5]   Designing Secure Networking and Computer Systems

ITEC 5103 [0.5]   Cloud and Datacentre Networking

ITEC 5205 [0.5]   **Design and Development of Data-Intensive Applications**

ITEC 5910 [0.5]   Selected Topics in Network Technologies

~~4. 1.0 credit in:~~   ~~1.0~~

~~ITEC 5905 [0.0]~~   ~~Course ITEC 5905 Not Found~~

~~5. 1.5 credit in electives, which may include up to 0.5 credit from a fourth-year course with the approval of the~~   ~~1.5~~
~~supervisor or associate director of graduate studies.~~

4. 1.0 credit in ITEC electives, which may include up to 0.5 credit in a 4000-level ITEC course with permission from the graduate supervisor or the Associate Director of Graduate Studies in the School.   **1.0**

5. 1.0 credit in electives at the 5000-level, which may include ITEC courses, chosen with permission from the graduate supervisor or the Associate Director of Graduate Studies in the School.   **1.0**

Total Credits   5.0

Requirements - Thesis pathway:

1. 0.5 credit in: 0.5

ITEC 5002 [0.5]   Fundamentals of Information Technology Research

2. 0.0 credit in:

ITEC 5001 [0.0]   Information Technology Seminars

3. 1.5 credits from core courses (For students admitted to 4.0-credit program, 1.0 credit):   1.5

ITEC 5010 [0.5]   **Applied Programming I**

ITEC 5100 [0.5]   Planning and Design of Computer Networks

ITEC 5101 [0.5]   Cross Layer Design for Wireless Multimedia Networks

ITEC 5102 [0.5]   Designing Secure Networking and Computer Systems

ITEC 5103 [0.5]   Cloud and Datacentre Networking

ITEC 5205 [0.5]   **Design and Development of Data-Intensive Applications**

ITEC 5910 [0.5]   Selected Topics in Network Technologies

4. 0.5 credit in electives, which may include ITEC 5900, or up to 0.5 credit at the 4000-level, or a 0.5 credit graduate course from another discipline, with permission from their graduate supervisor or the Associate Director of Graduate Studies in the School.   0.5

5. 2.5 credits in: 2.5

ITEC 5909 [2.5]   Master's Thesis

Total Credits   5.0

New Resources   No New Resources

Summary   MAJORMOD - Deleting project pathway and adding coursework pathway.

1. deleting ITEC5905 and redistributing credits to Core course and electives.
2. Adding ITEC 5205 and 5010 in core course for both Course pathway and Thesis pathway.

3. Rephrased a text in 4.for both course and thesis pathway.
4. 5. is added for course pathway.

Rationale for change	1. We are deleting the project (1.0cr) from the MNET project-option to create a course-only option. The projects are not providing the intended value to our students, who would gain more by taking two other courses. Out of the two dozen projects completed, none have led to research publications, so we assess that hold little research value altogether either. Finally, they are also very complex to manage, adding unnecessary administrative and work load to some of our faculty members, which limits our enrollment among other things. As stated, the addition of two courses will lead to a more rigorous course of study for these students, who still have the opportunity to complete a directed study should they want to work one on one with a faculty member on a research project. We will redistribute this 1.0 credit with an additional 0.5cr core course, and an additional 0.5cr elective course. This does not affect the thesis-option for this master. 2. We would like to give more options for core courses. 3. We want to ensure that students consult with their supervisor or advisor before taking out-of-unit elective courses. 4. to add elective options with different requirements.
Transition/Implementation	1, this change will not effect our current MNET course based students but will affect students who will be admitted in fall 2022. Through Banner, SIT will make ITEC 5900 (Directed Studies) a repeatable course. It will be used only in the case where a master's thesis student cannot finish a thesis and wants to switch to the course-based option. If the work they have done towards the thesis is worth 1.0 credit, we will give them two ITEC5900's towards their course work.
Program reviewer comments	**sandrabauer (12/03/21 4:46 pm):** Change to majormod - they are removing the project pathway and replacing with coursework pathway **sandrabauer (12/15/21 6:00 pm):** Clarification sought from P&P regarding reference to students admitted to 5.0 credit program, as program is 5.0 credits **sandrabauer (12/20/21 12:22 pm):** Rollback: Hold pending followup w C.Joslin **sandrabauer (01/12/22 1:00 pm):** slight modification to Item 5 wording following P&P query and in consultation w unit. In consultation w unit following P&P query removed reference to 5.0-credit program only in Item 1, as program is 5.0 credits. **sandrabauer (01/31/22 11:39 am):** Edit: changed rationale to refer to fall 2022 admission rather than fall 2021, at request of unit. **sandrabauer (02/15/22 11:28 am):** Updated transition/implementation statement to address the management of thesis students moving to coursework pathway, following discussion with SIT grad studies assoc director Ashraf Matrawy. /20220215 sbauer

Key: 1301

A deleted record cannot be edited

Course Delete Proposal

Date Submitted: 08/11/21 11:01 am

Viewing: ITEC 5905 : Network Technology Project

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

Last edit: 12/09/21 12:28 pm

Changes proposed by: riaakaiwa

In Workflow

1. BIT ChairDir GR
2. GRAD Dean
3. PRE GRAD FCC
4. GRAD FCC
5. GRAD FBoard
6. PRE SCCASP
7. SCCASP
8. SQAPC
9. Senate
10. Banner

Approval Path

1. 09/27/21 11:09 pm
   Chris Joslin (chrisjoslin):
   Approved for BIT
   ChairDir GR
2. 12/09/21 12:28 pm
   Sandra Bauer
   (sandrabauer): Approved
   for GRAD Dean
3. 12/09/21 12:32 pm
   Sandra Bauer
   (sandrabauer): Approved
   for PRE GRAD FCC
4. 12/15/21 5:47 pm
   Sandra Bauer
   (sandrabauer): Approved
   for GRAD FCC
5. 01/19/22 10:49 am
   Sandra Bauer
   (sandrabauer): Approved
   for GRAD FBoard

History

1. Jan 5, 2016 by
   anthonywhitehead
2. Mar 13, 2019 by Mike
   Labreque (mikelabreque)

Effective Date   2022-23

Workflow   **majormod** ~~minormod~~

Level	Graduate
Course Code	ITEC
Course Number	5905
Title	Network Technology Project
Title (short)	Network Technology Project

Faculty	Faculty of Engineering and Design
Academic Unit	School of Information Technology
Credit Value	1.0
Significant Experiential Learning	Applied Research Project
Course Description	Students pursuing this degree will conduct a networking study, analysis, and/or design project under the supervision of a faculty member in the area of networks.
Prerequisite(s)	
Class Format	
Precluded Courses	
Also listed as	
Piggybacked Courses	
U Ottawa Code	

Grade Mode	Standard Letter Grade
Schedule Type	Independent Study
	*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	*associated w majormod TBD-1301* Deleting MNET Project.
Rationale for deactivation	**We are deleting the project (1.0cr) from the MNET project-option to create a course-only option. The projects are not providing the intended value to our students, who would gain more by taking two other courses. Out of the two dozen projects completed, none have led to research publications, so we assess that hold little research value altogether either. Finally, they are also very complex to manage, adding unnecessary administrative and work load to some of our faculty members, which limits our enrollment among other things. As stated, the addition of two courses will lead to a more rigorous course of study for these students, who still have the opportunity to complete a directed study should they want to work one on one with a faculty member on a research project.** **We will redistribute this 1.0 credit with an additional 0.5cr core course, and an additional 0.5cr**

elective course.
This does not affect the thesis-option for this master.

Course reviewer comments	**sandrabauer (12/03/21 4:49 pm):** Change to majormod - deleting RP pathway, to be replaced by coursework pathway
	sandrabauer (12/03/21 4:51 pm): *associated w majormod TBD-1301*

Key: 8827
Not an admin

New Program Proposal

Date Submitted: 01/31/22 10:00 am

Viewing: **TBD-2145 : M.A. History with Collaborative Specialization in Climate Change**

Last edit: 01/31/22 10:00 am

Last modified by: darlenemoss

Changes proposed by: darlenemoss

In Workflow

1. **MAAE ChairDir GR**
2. **HIST ChairDir GR**
3. **AS Dean**
4. **GRAD Dean**
5. **PRE GRAD FCC**
6. **GRAD FCC**
7. **GRAD FBoard**
8. **PRE SCCASP**
9. SCCASP
10. SQAPC
11. Senate
12. CalEditor

Approval Path

1. 02/07/22 10:38 am
   Sandra Bauer
   (sandrabauer): Approved
   for MAAE ChairDir GR
2. 02/07/22 11:30 am
   James Miller
   (jamesmiller): Approved
   for HIST ChairDir GR
3. 02/07/22 12:39 pm
   Peter Thompson
   (peterthompson):
   Approved for AS Dean
4. 02/07/22 12:45 pm
   Sandra Bauer
   (sandrabauer): Approved
   for GRAD Dean
5. 02/08/22 2:23 pm
   Sandra Bauer
   (sandrabauer): Approved
   for PRE GRAD FCC
6. 02/10/22 6:50 pm
   Sandra Bauer
   (sandrabauer): Approved
   for GRAD FCC
7. 02/16/22 11:00 am
   Sandra Bauer
   (sandrabauer): Approved
   for GRAD FBoard

Effective Date	2022-23
Workflow	majormod

Program Code	TBD-2145
Level	Graduate
Faculty	Faculty of Arts and Social Sciences
Academic Unit	Department of History Department of Mechanical and Aerospace Engineering
Degree	
Title	M.A. History with Collaborative Specialization in Climate Change

Program Requirements

M.A. History
with Collaborative Specialization in Climate Change (4.5 credits)

Requirements - research essay pathway (4.5 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. **0.5 credit in:** — 0.5
   HIST 5003 [0.5]   Historical Theory and Method
4. **1.5 credits in** HIST at the graduate level of which only 0.5 credit may be taken in a designated public history course. With departmental permission, up to 0.5 credit of courses with historical content may be taken from another unit at Carleton University, at the University of Ottawa, or at another accredited institution. — 1.5
5. **0.5 credit in:** — 0.5
   HIST 5900 [0.5]   Directed Research
6. **1.0 credit in:** — 1.0
   HIST 5908 [1.0]   M.A. Research Essay (in the specialization)

Total Credits — 4.5

Requirements - thesis pathway (4.5 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. **0.5 credit in:** — 0.5
   HIST 5003 [0.5]   Historical Theory and Method
4. **1.0 credit in** HIST at the graduate level of which only 0.5 credit may be taken in a designated public history course. With departmental permission, up to 0.5 credit of courses with historical content may be taken from another unit at Carleton University, at the University of Ottawa, or at another accredited institution. — 1.0
5. **2.0 credits in:** — 2.0
   HIST 5909 [2.0]   M.A. Thesis (in the specialization)

Total Credits — 4.5

New Resources	No New Resources

Summary	MA History - addition of collaborative specialization in climate change
Rationale	Rationale: the CLIM Specialization follows several other specializations in which the department is currently involved: African Studies, Latin American and Caribbean Studies, Digital Humanities, and Data Science. Environmental history (including history of climate) is a long-established sub-discipline of historical studies, and students in the program will have abundant discipline-specific literatures and methodologies available to them. Faculty working in environmental history or fields adjacent to Climate Change topics include Dr Joanna Dean (history of animals, history of the North), Rod Phillips (history of wine and alcohol, food history, history of animals), Laura Madokoro (history of forced migration) and Dominique Marshall (history of humanitarian aid). The new CLIM specialization will also complement our well-established Public History program (MA and PhD). There is a proven demand for mixed-methodologies training (DH, Data Science, Public History) among our students.
Transition/Implementation	n/a

Program reviewer comments	**sandrabauer (02/07/22 10:38 am):** Approved on behalf of R.Miller/MAAE who has provided email confirmation.

Key: 2145