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 (SCCASAP).

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
   SCCASAP approval: February 1, 2022
   SQAPC approval: March 10, 2022

Senate Motion March 25, 2022

THAT Senate approve the major modification to the MA in History Collaborative Specialization in Climate Change and the deletion of ITEC 5905 as presented with effect from Fall 2022.

   2. MA in History Collaborative Specialization in Climate Change
      SCCASAP 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

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**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
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:
   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:  
   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:
   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 supervisor or associate director of graduate studies.

<table>
<thead>
<tr>
<th>Requirements - Thesis pathway:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 0.5 credit in:</td>
</tr>
<tr>
<td>ITEC 5002 [0.5] Fundamentals of Information Technology Research</td>
</tr>
<tr>
<td>2. 0.0 credit in:</td>
</tr>
<tr>
<td>ITEC 5001 [0.0] Information Technology Seminars</td>
</tr>
<tr>
<td>3. 1.5 credits from core courses (For students admitted to 4.0-credit program, 1.0 credit):</td>
</tr>
<tr>
<td>ITEC 5010 [0.5] Applied Programming I</td>
</tr>
<tr>
<td>ITEC 5100 [0.5] Planning and Design of Computer Networks</td>
</tr>
<tr>
<td>ITEC 5101 [0.5] Cross Layer Design for Wireless Multimedia Networks</td>
</tr>
<tr>
<td>ITEC 5102 [0.5] Designing Secure Networking and Computer Systems</td>
</tr>
<tr>
<td>ITEC 5103 [0.5] Cloud and Datacentre Networking</td>
</tr>
<tr>
<td>ITEC 5205 [0.5] Design and Development of Data-Intensive Applications</td>
</tr>
<tr>
<td>ITEC 5910 [0.5] Selected Topics in Network Technologies</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>5. 2.5 credits in:</td>
</tr>
<tr>
<td>ITEC 5909 [2.5] Master's Thesis</td>
</tr>
</tbody>
</table>

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 (1.0 cr) 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 0.5 cr core course, and an additional 0.5 cr 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
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

A deleted record cannot be edited

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. SOAPC
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

https://nextcalendar.carleton.ca/courseadmin/
<table>
<thead>
<tr>
<th>Course Inventory Management</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Level</th>
<th>Graduate</th>
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<tbody>
<tr>
<td>Course Code</td>
<td>ITEC</td>
</tr>
<tr>
<td>Course Number</td>
<td>5905</td>
</tr>
<tr>
<td>Title</td>
<td>Network Technology Project</td>
</tr>
<tr>
<td>Title (short)</td>
<td>Network Technology Project</td>
</tr>
<tr>
<td>Faculty</td>
<td>Faculty of Engineering and Design</td>
</tr>
<tr>
<td>Academic Unit</td>
<td>School of Information Technology</td>
</tr>
<tr>
<td>Credit Value</td>
<td>1.0</td>
</tr>
<tr>
<td>Significant Experiential Learning</td>
<td>Applied Research Project</td>
</tr>
</tbody>
</table>

**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**

**Schedule Type**

Independent Study

*May constitute a major modification under Carleton’s IQAP. Please consult [https://carleton.ca/viceprovost/major-minor-modifications/](https://carleton.ca/viceprovost/major-minor-modifications/) for more details.*

**Unpaid Placement**

No

**Summary**

*associated w major mod 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

https://nextcalendar.carleton.ca/programadmin/
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: 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:**
   - [CLIM 5000](#) [1.0] Climate Collaboration
2. **0.0 credit in:**
   - [CLIM 5800](#) [0.0] Climate Seminar Series
3. **0.5 credit in:**
   - [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.
5. **0.5 credit in:**
   - [HIST 5900](#) [0.5] Directed Research
6. **1.0 credit in:**
   - [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:**
   - [CLIM 5000](#) [1.0] Climate Collaboration
2. **0.0 credit in:**
   - [CLIM 5800](#) [0.0] Climate Seminar Series
3. **0.5 credit in:**
   - [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.
5. **2.0 credits in:**
   - [HIST 5909](#) [2.0] M.A. Thesis (in the specialization)

Total Credits: 4.5

New Resources: No New Resources

https://nextcalendar.carleton.ca/programadmin/
<table>
<thead>
<tr>
<th><strong>Summary</strong></th>
<th>MA History - addition of collaborative specialization in climate change</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rationale</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Transition/Implementation</strong></td>
<td>n/a</td>
</tr>
<tr>
<td><strong>Program reviewer comments</strong></td>
<td><strong>sandrabauer (02/07/22 10:38 am)</strong>: Approved on behalf of R.Miller/MAAE who has provided email confirmation.</td>
</tr>
</tbody>
</table>