MINOR PROGRAM IN HISTORY (ARTS) - SCMIN0652

Undergraduate Advisor: 416-287-7184 Email: history-undergrad-advisor@utsc.utoronto.ca

Program Requirements
Students must complete 4.0 credits in History, of which at least 1.0 credit must be at the C- and/or D-level.

Calendar Section: History

MINOR PROGRAM IN HUMAN GEOGRAPHY (ARTS) - SCMIN1666H

The minor program is designed to give students a general introduction to Human Geography. Students are encouraged to select their B-, C-, and D -evel courses from one of the three areas of focus: Environmental, Urban or Social/Cultural Geography.

Program Requirements
This program requires the completion of 4.0 credits in Geography including:

1. 1.0 credit as follows:
GGRA02H3 The Geography of Global Processes
GGRA03H3 Cities and Environments

2. 3.0 credits in GGR courses, of which at least 1.0 credit must be at the C- or D-level

Calendar Section: Geography

MINOR PROGRAM IN INTERNATIONAL DEVELOPMENT STUDIES (ARTS) - SCMIN2540A

The Minor in International Development Studies (IDS) will provide students with an introduction to a critical understanding of international development issues, and the academic building blocks for greater awareness of the world around them, as well as an entry point into greater academic study of international development itself. 2.0 credits are in 'core' courses at the first and second year level, the other 2.0 credits will be electives from cognate fields, allowing students to take courses that might have synergies with their Major or Specialist programs.

Program Requirements
This program requires the completion of 4.0 credits, of which at least 1.0 credit must be at the C- or D-level.

1. Introduction to International Development Studies (0.5 credit)
IDSA01H3 Introduction to International Development Studies

2. Core courses in International Development (1.5 credits)
Choose from the following:
IDSB01H3 Political Economy of International Development*
IDSB02H3 Development and Environment
IDSB04H3 Introduction to International/Global Health
IDSB06H3 Equity, Ethics and Justice in International Development
IDSB07H3 Confronting Development's Racist Past and Present
POLB90H3 Comparative Development in International Perspective
*Students interested in IDSB01H3 are cautioned that it contains prerequisites not included in this offering.

3. Specialized Courses (2.0 credits)
2.0 credits from the courses listed in Requirement 5 of the Specialist BA in International Development Studies, of which at least 1.0 credit must be at the C- or D-level. POLB91H3 may be counted toward this requirement.

Calendar Section: International Development Studies

MINOR PROGRAM IN LINGUISTICS (ARTS) - SCMIN0506

For curriculum inquiries, contact the department's Program Coordinator: **dls-ua@utsc.utoronto.ca**

Program Requirements
Students must complete 4.0 credits.

1. 1.0 credit as follows:
LINA01H3 Introduction to Linguistics
LINA02H3 Applications of Linguistics

2. 1.0 credit from the following:
LINB04H3 Phonology I
LINB06H3 Syntax I
LINB09H3 Phonetics: The Study of Speech Sounds
LINB10H3 Morphology

3. 2.0 further credits in LIN and/or PLI of which at least 1.0 credit must be at the C- or D-level.

Calendar Section: Linguistics

MINOR PROGRAM IN MEDIA STUDIES (ARTS) - SCMINMDS

Undergraduate Advisor: Email: mds-undergrad-advisor@utsc.utoronto.ca

Program Requirements
Students must complete 4.0 credits, including 1.0 credit at the C- or D-level:

1. 1.0 credits as follows:
MDSA11H3 Media Ethics
MDSA13H3 Media Histories

2. 2.0 credits at MDS B-level

3. 1.0 additional credit in MDS C-level courses (please note that you can enroll in a maximum of 1.0 credits at MDS C-level).

Calendar Section: Media Studies

MINOR PROGRAM IN MUSIC AND CULTURE (ARTS) - SCMIN1590

ACM Program Manager. Email: manaal.hussain@utoronto.ca

Program Requirements
Students are required to complete 4.0 full credits as follows:

1. Courses at the A-level (1.0 credit)
MUZA80H3/(VPMA95H3) Foundations in Musicianship (this is waived for students who pass the placement test conducted in Week 1 of the term)
and
0.5 credit in Performance. Students must choose the graded option for this credit.

2. Courses at the B-level (1.0 credits from the following list)
MUZB01H3/(VPMB01H3) Introduction to Community Music
MUZB20H3/(VPMB82H3) Music in the Contemporary World
MUZB80H3/(VPMB88H3) Developing Musicianship

3. 2.0 additional credits in Music and Culture (MUZ) courses, of which at least 1.0 credit must be at the C- and/or D-level.*
Note that students who passed the MUZA80H3 placement test will be taking 2.5 credits

Students can count a maximum of 1.0 credit of Performance courses toward these 3 program completion requirements. Students who count Performance courses must choose the graded option.

*Students must consult with the ACM Program Manager (acm-pa@utsc.utoronto.ca) regarding the selection of the courses to fulfill this program requirement.

Calendar Section: Music and Culture

MINOR PROGRAM IN NATURAL SCIENCES AND ENVIRONMENTAL MANAGEMENT (SCIENCE) - SCMIN1077

For an updated list of Program Supervisors, please visit the Environmental Sciences website.

This Minor is designed to provide students with a multidisciplinary education encompassing the origin and natural history of the Earth, environmental science and environmental management, with emphasis on how these branches of study relate to one another. Building on foundational courses in natural and environmental science, students will develop decision-analysis techniques and a broad perspective on human impact on the environment. In upper years, knowledge of natural, environmental and social sciences is implemented in analyses of real-world issues through integrative environmental studies courses. The program is well suited to complement degree programs in Management, Economics for Management Studies and the Social Sciences. First-year students are strongly advised to check prerequisites for B- and C-level courses before choosing their A-level courses.
Note: The Minor in Natural Sciences and Environmental Management cannot be combined with the Major in Environmental Science (Science), the Major Environmental Studies (Arts) or the Minor in Environmental Science (Science).

Program Requirements
Students must complete a total of 4.0 credits as follows:

First Year:
1.0 credit from the following:
ASTA01H3 Introduction to Astronomy and Astrophysics I: The Sun and Planets
ASTA02H3 Introduction to Astronomy and Astrophysics II: Beyond the Sun and Planets
EESA06H3 Introduction to Planet Earth
EESA09H3 Wind
EESA10H3 Human Health and the Environment
EESA11H3 Environmental Pollution
ESTB01H3 Introduction to Environmental Studies

Second/Third Year:
1.5 credits from the following:
ASTB03H3 Great Moments in Astronomy*
EESB05H3 Principles of Soil Science**
EESB15H3 Earth History**
EESB16H3 Feeding Humans - The Cost to the Planet***
EESB18H3 Natural Hazards
EESC13H3 Environmental Impact Assessment and Auditing
EESC34H3 Sustainability in Practice

Third/Fourth Year:
1.5 credits from the following:
ESTC35H3 Environmental Science and Technology in Society****
ESTC36H3 Knowledge, Ethics and Environmental Decision-Making****
ESTD16H3 Project Management in Environmental Studies
ESTD17Y3 Cohort Capstone Course in Environmental Studies
POLC53H3 Canadian Environmental Policy
PSCD02H3 Current Questions in Mathematics and Science
PSCD11H3 Communicating Science: Film, Media, Journalism, and Society

Notes:

*ASTB03H3 cannot be taken in combination with any other AST course in the program.
**Students in the Minor in Natural Sciences and Environmental Management must take EESA06H3 as the prerequisite for these courses.
***The prerequisites for this course are BIOA01H3 and BIOA02H3, which are not included in the requirements for the Minor.
****Students in the Minor in Natural Sciences and Environmental Management must take ESTB01H3 as the prerequisite for these courses.

Calendar Section: **Environmental Science**

MINOR PROGRAM IN PHILOSOPHY (ARTS) - SCMIN0231

Program Supervisor Email: philosophy-program-supervisor@utsc.utoronto.ca

Program Requirements
Students must complete 4.0 credits in Philosophy of which at least 1.0 credit must be at the C- or D-level. MATC09H3 can be used as a Philosophy course for these purposes.

Calendar Section: **Philosophy**

MINOR PROGRAM IN POLITICAL SCIENCE (ARTS) - SCMIN2015

Program Requirements
The Program requires the completion of 4.0 credits, including at least 2.0 credits at the C- or D-level.

1. Introduction to Political Science (0.5 credits from):
POLA01H3 Critical Issues in Politics I
POLA02H3 Critical Issues in Politics II

2. Core Courses (1.5 credits from):
POLB56H3 Canadian Politics and Government
POLB57H3 The Canadian Constitution and the Charter of Rights
POLB72H3 Introduction to Political Theory
POLB80H3 Introduction to International Relations I
POLB81H3 Introduction to International Relations II
POLB90H3 Comparative Development in International Perspective
POLB91H3 Introduction to Comparative Politics

3. Applications (2.0 credits):
2.0 credits at the C-level and/or D-level in POL or PPG courses

Calendar Section: **Political Science**

MINOR PROGRAM IN PSYCHOLOGY (SCIENCE) - SCMIN1160

Enrolment in the Program is limited. Admission will require:
(a.) completion of a minimum of 4.0 credits, including 1.0 credit in Psychology, and
(b.) a final grade of 60% or higher in both PSYA01H3 and PSYA02H3.

Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Program Requirements
The Program requires completion of 4.0 credits, of which 1.0 credit must be at the C-level:

1. Introduction to Psychology (1.0 credit):
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (0.5 credit):
[PSYB70H3 Methods in Psychological Science or (PSYB01H3) Psychological Research Laboratory or (PSYB04H3) Foundations in Psychological Research]

3. Statistical Methods (0.5 credit):
[PSYB07H3 Data Analysis in Psychology or STAB22H3 Statistics I or STAB23H3 Introduction to Statistics for the Social Sciences]

4. Breadth in Psychology at the B-level: One course from each grouping (1.0 credit):
a. Social, Developmental, Personality and Clinical (courses listed in the 10-, 20- or 30-series);
b. Perception, Cognition and Physiology (courses listed in the 50- or 60-series);

5. Breadth in Psychology at the C-level (1.0 credit).

Note: Students in the Psychology Minor Program are permitted to take 1.0 credits of PSY C-level courses. Additional enrollment beyond this limit may be permitted if space permits. Students in the Psychology Minor Program are not typically permitted to enroll in any PSY D-level courses.

Calendar Section: Psychology

MINOR PROGRAM IN PUBLIC LAW (ARTS) - SCMIN2030

The Minor in Public Law examines how the legal system, of which the constitutional order and judiciary are integral parts, governs the relationship both among constituent units of the state and between citizens and the state. It also examines the obligations that states have to one another via international law. Courses in the program address the normative foundations of principles of justice and human rights; the role of constitutions and courts in safeguarding the rule of law, protecting civil liberties, and curbing state power; the constraints to state sovereignty posed by international law and international courts; and the implications of the legal order for democratic and legitimate policy-making.

Program Requirements
Students must complete 4.0 credits, of which at least 1.0 credit must be at the C- and/or D-level.

1. Core Courses as follows (2.0 credits):
POLB30H3 Law, Justice and Rights
POLB56H3 Canadian Politics and Government
POLB57H3 The Canadian Constitution and the Charter of Rights
POLC32H3 The Canadian Judicial System

2. Public Law Electives (1.5 credit from the following):
POLC30H3 Law, Politics, and Technology in Applications
POLC33H3 Politics of International Human Rights
POLC34H3 The Politics of Crime
POLC36H3 Law and Public Policy
POLC38H3 International Law
POLC39H3 Comparative Law and Politics
POLC56H3 Indigenous Politics and Law

POLD30H3 Legal Reasoning
POLD38H3 Law and Global Business
POLD42H3 Advanced Topics in Public Law
POLD44H3 Comparative Law and Social Change
POLD45H3 Constitutionalism
POLD46H3 Public Law and the Canadian Immigration System

3. 0.5 credit from requirement 2 above or an appropriate course from another discipline, including at the UTSC, UTM and St. George campuses, as approved by the Public Law Program Advisor.

Calendar Section: Public Law

MINOR PROGRAM IN SOCIOLOGY (ARTS) - SCMIN1013

Admission to the Minor Program in Sociology is unlimited. However, students are warned that they are not guaranteed admission to B-level and C-level courses during fall and winter session, and thus will be accommodated only after other Program students have been admitted to these courses. Thus some courses may be unavailable, or available only in the summer.

Program Requirements
The Program requires completion of 4.0 credits in Sociology as follows:

1. 0.5 credits from the following:
SOCA05H3 The Sociological Imagination
(SOCA01H3) Introduction to Sociology I
(SOCA02H3) Introduction to Sociology II
(SOCA03Y3) Introduction to Sociology

2. SOCB05H3 Logic of Social Inquiry (0.5 credit)

3. 1.0 credits from the following:
SOCB30H3 Political Sociology
SOCB42H3 Theory I: Discovering the Social
SOCB43H3 Theory II: Big Ideas in Sociology
SOCB47H3 Social Inequality

4. 0.5 additional credit at the B-level in Sociology

5. 1.5 additional credits at the C-level in Sociology

Calendar Section: Sociology

MINOR PROGRAM IN STATISTICS (SCIENCE) - SCMIN2289

Supervisor of Studies: M. Samarakoon Email: mahinda@utsc.utoronto.ca

Program Requirements
This program requires 4.0 credits.

1. First Year (2.0 credits)
[CSCA08H3 Introduction to Computer Science I *or* CSCA20H3 Computer Science for the Sciences]
MATA23H3 Linear Algebra I
[MATA30H3 Calculus I for Physical Sciences *or* MATA31H3 Calculus I for Mathematical Sciences] and
[MATA36H3 Calculus II for Physical Sciences *or* MATA37H3 Calculus II for Mathematical Sciences.]
Notes:
1. The sequence [MATA31H3 and MATA37H3] is recommended.
2. MATA31H3 is the pre-requisite for MATA37H3.

2. Second Year (1.0 credit)
[STAB52H3 An Introduction to Probability *or* STAB53H3 Introduction to Applied Probability]
STAB57H3 An Introduction to Statistics

3. Third and Fourth Year (0.5 credit)
STAC67H3 Regression Analysis

4. In addition, 0.5 credit must be chosen from any C- or D-level STA course (excluding STAC32H3, STAC53H3 and STAD29H3).

Calendar Section: Statistics

MINOR PROGRAM IN STUDIO ART (ARTS) - SCMIN1126

Undergraduate Advisor (General): Email: studio-program-supervisor@utsc.utoronto.ca

Enrolment Requirements
Enrolment in the Minor in Studio Art is unlimited.
Students cannot pair this program with a Major or Specialist program in Studio Art.

Program Requirements
Students are required to complete a total of 4.5 credits as follows:

1. 1.0 credits as follows:
VPSA62H3 Foundation Studies in Studio
VPSA63H3 But Why is it Art?

2. 2.5 credits at the B-level in VPS courses
Students may use up to 0.5 credits of VPHB-level or 0.5 credit of MDSB-level towards this requirement, provided they hold the prerequisites.

3. 1.0 credit at the C-level in VPS courses, including 0.5 credit from the following:
VPSC90H3 Theory and Practice: Art in a Globalizing World
VPSC91H3 Theory and Practice: Art and the Body
VPSC92H3 Theory and Practice: Art and Materials
VPSC93H3 Theory and Practice: Art and the Everyday
VPSC94H3 Theory and Practice: Art and Place
VPSC95H3 Theory and Practice: Art and Social Justice

Note: Students enrolled in Minor program in Studio Art cannot enroll in more than 1.5 VPSC-level courses

Calendar Section: Studio Art

MINOR PROGRAM IN THEATRE AND PERFORMANCE (ARTS) - SCMIN2150

ACM Program Manager: acm-pa@utsc.utoronto.ca

Program Requirements
Students must complete 4.0 credits, of which 1.0 credit must be at the C- or D-level:

1. Foundational Courses (1.0 credit)
THRA10H3/(VPDA10H3) Introduction to Theatre
THRA11H3/(VPDA11H3) Introduction to Performance

2. 3.0 additional credits in Theatre and Performance (THR) courses as follows:
At least 1.0 credits each from any two of the four areas of focus listed below:
- Theatre & Society
- Theatre in Communities
- Performance
- Production

For the specific courses that fall into each of these areas, see the Areas of Focus Table.

Calendar Section: Theatre and Performance

MINOR PROGRAM IN URBAN PUBLIC POLICY AND GOVERNANCE (ARTS) - SCMIN1811

The cross-disciplinary Minor program in Urban Public Policy and Governance equips students with the conceptual tools and methodological skills they will need to understand and analyze processes of city-regional and municipal governance and policy-making in Canadian and comparative perspective. The main emphasis is placed on the policy and governance dilemmas of contemporary local governments and how these are distinct from those experienced at other levels: structural revenue constraints, infrastructure deficits, socio-spatial polarization, competition for investment, inadequate accountability and ethics regimes for politicians and public servants, and the distinctive ways in which local policymaking takes place through public deliberation.

Students completing the Minor program in Urban Public Policy and Governance combined with a Major program in City Studies, Public Policy, Human Geography, Political Science, Economics for Management Studies, History, Critical Development Studies or other relevant programs will be well prepared for graduate studies in public policy and governance, urban planning, and public administration, and for public sector careers at the municipal and provincial levels, or in the non-profit and advocacy sectors.

Program Requirements
This program requires the completion of 4.0 credits as follows:

1. Foundations - 1.0 credit as follows:
[CITB01H3 Canadian Cities and Planning and CITB04H3 City Politics]
or
[GGRA03H3 Cities and Environments and GGRB05H3 Urban Geography]
or
[POLB56H3 Critical Issues in Canadian Politics *and* POLB57H3 The Canadian Constitution and the Charter of Rights]

2. Core courses - 1.0 credit as follows:
CITC12H3 City Structures, Problems, and Decisions: Field Research in Urban Policy Making
CITC15H3 Money Matters: How Municipal Finance Shapes the City

3. Applications of Urban Public Policy and Governance - 2.0 credits from the following:
CITC03H3 Housing Policy and Planning
CITC04H3 Current Municipal and Planning Policy and Practice in Toronto
CITC07H3 Urban Social Policy
CITC16H3 Planning and Governing the Metropolis
CITC17H3 Civic Engagement in Urban Politics
CITC18H3 Urban Transportation Policy Analysis
CITD01H3 City Issues and Strategies
CITD10H3 Seminar in Selected Issues in City Studies
GGRB18H3 Whose Land? Indigenous-Canada-Land Relations
GGRC12H3 Transportation Geography
GGRC13H3 Urban Political Geography
GGRC33H3 The Toronto Region
PPGB66H3/(PPGC66H3/(POLC66H3) Public Policy Making
PPGC67H3/(POLC67H3) Public Policy in Canada

Calendar Section: Public Policy

MINOR PROGRAM IN WOMEN'S AND GENDER STUDIES (ARTS) - SCMIN0571

Undergraduate Advisor: 416-287-7184 Email: wst-undergrad-advisor@utsc.utoronto.ca

Program Requirements
Students must complete 4.0 credits as follows:

1. 1.0 credit from the following
WSTA01H3 Introduction to Women's and Gender Studies
WSTA03H3 Introduction to Feminist Theories and Thought

2. WSTB05H3 Power in Knowledge Production

3. WSTB11H3 Intersections of Inequality

4. 2.0 additional credits as follows:
0.5 credit at the C-level in WST courses taken from the list in requirement 5 of the Major program in Women's and Gender Studies
and
0.5 credit at the D-level in WST courses taken from the list in requirement 5 of the Major program in Women's and Gender Studies
and
1.0 credit in courses taken from the list in requirement 6 of the Major program in Women's and Gender Studies.

Calendar Section: Women's and Gender Studies

SPECIALIST (CO-OPERATIVE) PROGRAM IN CHEMISTRY (SCIENCE) - SCSPE1376C

Academic Program Supervisor of Studies: S. Dalili (416-287-7215) Email: sdalili@utsc.utoronto.ca
Co-op Program Coordinator: coopsuccess.utsc@utoronto.ca

The Specialist (Co-op) Program in Chemistry is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to Chemistry upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term and Course requirements.

Enrolment Requirements
The minimum qualifications for entry are 4.0 credits, including CHMA10H3, CHMA11H3, MATA30H3, MATA36H3, PHYA10H3 and PHYA21H3, plus a cumulative GPA of at least 2.5.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Academic Program Requirements
Students must complete the program requirements as described in the Specialist Program in Chemistry.

Co-op Work Term Requirements

Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) Program in Chemistry and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3. It is strongly recommended that CHMB16H3 be completed before the first work term.

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

- Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
- Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
- Co-op Work Term courses: COPC05H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC05H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Calendar Section: Chemistry, Arts and Science Co-op

SPECIALIST (CO-OPERATIVE) PROGRAM IN COMPUTER SCIENCE - Comprehensive Stream (SCIENCE) - SCSPE0510C

Academic Program Advisor: S. Calanza susan.calanza@utoronto.ca
Co-op Program Coordinator: C. Dixon coopsuccess.utsc@utoronto.ca

This program provides a working knowledge of the foundations of computer science: modern computer software and hardware, theoretical aspects of computer science, and relevant areas of mathematics and statistics. It also imparts an appreciation of the discipline's transformative impact on science and society. The program prepares students for further study and for careers in the computing industry. It comprises four streams with different emphases:

The Comprehensive Stream provides a broad and balanced exposure to the discipline. It is the stream best-suited for students planning to pursue graduate study in computer science, but it is also suitable for other career paths.

The structure of the program requirements allows one to easily switch streams until relatively late in the program. Consequently, these streams should not be viewed as rigidly separated channels feeding students to different career paths, but as a flexible structure that provides computer science students guidance in their course selection based on their broad (but possibly fluid) interests.

Enrolment Requirements

Enrolment in the Specialist (Co-operative) program in Computer Science (all streams) is limited.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon

completion of 4.0 credits. Students must have completed the required A-level CSC and MAT courses, and achieved the required grades, described in the Enrolment Requirements for the Specialist in Computer Science. In addition, they must also have achieved a CGPA of at least 2.5 across all attempted courses.

*Students must select **one** stream of the CS Specialist Co-op. Admission to the Entrepreneurship stream also requires the submission of a Supplementary Application Form available on the Department of Computer and Mathematical Sciences webpage.

Prospective Co-op Students:
Prospective students (i.e., those not yet admitted to a Co-op Degree POSt) must meet the enrolment requirements noted above and have a CGPA of at least 2.75 across all attempted courses.

Students must submit a program request on ACORN. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application not being considered.

Program Requirements
Students must complete the program requirements as described in the Specialist Program in Computer Science.
To remain in the program, students must maintain a CGPA of 2.5 or higher throughout the program. To complete the program, students must meet the work term and course requirements described below.

Co-op Work Term Requirements
Students must satisfactorily complete three Co-op work terms, each of four-months duration, one of which can be during the summer. To be eligible for their first work term, students must be enrolled in the Specialist (Co-operative) Program in Computer Science and have completed at least 7.0 credits, including all first year required courses (CSCA08H3, CSCA48H3, CSCA67H3, MATA22H3, MATA31H3, MATA37H3).
In addition to their academic program requirements, Co-op students complete up to five Co-op specific courses. These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They cover a variety of topics intended to assist students in developing the skills and tools required to secure work terms that are appropriate to their program of study, and to perform professionally in the workplace. These courses must be completed in sequence, and are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

Co-op Preparation Course Requirements:

1. COPB50H3/(COPD01H3) – Foundations for Success in Arts & Science Co-op
- Students entering Co-op from outside of UTSC (high school or other postsecondary) will complete this course in Fall or Winter of their first year at UTSC. Enrolment in each section is based on admission category: Typically, students in Computer Science, Mathematics and Statistics enroll in the Fall semester while all other Arts & Science Co-op admission categories enroll in the Winter semester however this may vary year to year.
- Current UTSC students entering Co-op in April/May will complete this course in the Summer semester.
- Current UTSC students entering Co-op in July/August will complete this course in the Fall semester.

2. COPB51H3/(COPD03H3) – Preparing to Compete for your Work Term
- This course will be completed eight months in advance of the first scheduled work term.

3. COPB52H3/(COPD11H3) – Managing your Job Search and Transition to the Workplace
- This course will be completed four months in advance of the first work scheduled work term.

4. COPC98H3/(COPD12H3) – Integrating Your Work Term Experience Part I
- This course will be completed four months in advance of the second scheduled work term.

5. COPC99H3/(COPD13H3) – Integrating Your Work Term Experience Part II
- This course will be completed four months in advance of the third scheduled work term (for programs that require the completion of 3 work terms and/or four months in advance of any additional work terms that have been approved by the Arts and Science Co-op Office.

Students must be available for work terms in each of the Fall, Winter and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This, in turn, requires that students take courses during at least one Summer semester.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Calendar Section: Computer Science, Arts and Science Co-op

SPECIALIST (CO-OPERATIVE) PROGRAM IN COMPUTER SCIENCE - Entrepreneurship Stream (SCIENCE) - SCSPE0805C

Academic Program Advisor: S. Calanza susan.calanza@utoronto.ca
Co-op Program Coordinator: C. Dixon coopsuccess.utsc@utoronto.ca

This program provides a working knowledge of the foundations of computer science: modern computer software and hardware, theoretical aspects of computer science, and relevant areas of mathematics and statistics. It also imparts an appreciation of the discipline's transformative impact on science and society. The program prepares students for further study and for careers in the computing industry. It comprises four streams with different emphases:

The Entrepreneurship Stream includes a solid core of computer science and software engineering, while exposing students to the framework and the methodologies that underlie the development of innovative technology ideas into viable commercial opportunities. Enrolment into the Entrepreneurship stream will be limited to highly qualified and motivated students, and preference will be given to students enrolled in the Specialist (Co-op) Program.

The structure of the program requirements allows one to easily switch streams until relatively late in the program. Consequently, these streams should not be viewed as rigidly separated channels feeding students to different career paths, but as a flexible structure that provides computer science students guidance in their course selection based on their broad (but possibly fluid) interests.

Enrolment Requirements

Enrolment in the Specialist (Co-operative) program in Computer Science (all streams) is limited.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits. Students must have completed the required A-level CSC and MAT courses, and achieved the required grades, described in the Enrolment Requirements for the Specialist in Computer Science. In addition, they must also have achieved a CGPA of at least 2.5 across all attempted courses.

*Students must select **one** stream of the CS Specialist Co-op. Admission to the Entrepreneurship stream also requires the submission of a Supplementary Application Form available on the Department of Computer and Mathematical Sciences webpage.

Prospective Co-op Students:
Prospective students (i.e., those not yet admitted to a Co-op Degree POSt) must meet the enrolment requirements noted above and have a CGPA of at least 2.75 across all attempted courses.

Students must submit a program request on ACORN. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application not being considered.

Program Requirements
Students must complete the program requirements as described in the Specialist Program in Computer Science.
To remain in the program, students must maintain a CGPA of 2.5 or higher throughout the program. To complete the program, students must meet the work term and course requirements described below.

Co-op Work Term Requirements
Students must satisfactorily complete three Co-op work terms, each of four-months duration, one of which can be during the summer. To be eligible for their first work term, students must be enrolled in the Specialist (Co-operative) Program in Computer Science and have completed at least 7.0 credits, including all first year required courses (CSCA08H3, CSCA48H3, CSCA67H3, MATA22H3, MATA31H3, MATA37H3).
In addition to their academic program requirements, Co-op students complete up to five Co-op specific courses. These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They cover a variety of topics intended to assist students in developing the skills and tools required to secure work terms that are appropriate to their program of study, and to perform professionally in the workplace. These courses must be completed in sequence, and are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

Co-op Preparation Course Requirements:

1. COPB50H3/(COPD01H3) – Foundations for Success in Arts & Science Co-op

- Students entering Co-op from outside of UTSC (high school or other postsecondary) will complete this course in Fall or Winter of their first year at UTSC. Enrolment in each section is based on admission category: Typically, students in Computer Science, Mathematics and Statistics enroll in the Fall semester while all other Arts & Science Co-op admission categories enroll in the Winter semester however this may vary year to year.
- Current UTSC students entering Co-op in April/May will complete this course in the Summer semester.
- Current UTSC students entering Co-op in July/August will complete this course in the Fall semester.

2. COPB51H3/(COPD03H3) – Preparing to Compete for your Work Term
- This course will be completed eight months in advance of the first scheduled work term.

3. COPB52H3/(COPD11H3) – Managing your Job Search and Transition to the Workplace
- This course will be completed four months in advance of the first work scheduled work term.

4. COPC98H3/(COPD12H3) – Integrating Your Work Term Experience Part I
- This course will be completed four months in advance of the second scheduled work term.

5. COPC99H3/(COPD13H3) – Integrating Your Work Term Experience Part II
- This course will be completed four months in advance of the third scheduled work term (for programs that require the completion of 3 work terms and/or four months in advance of any additional work terms that have been approved by the Arts and Science Co-op Office.

Students must be available for work terms in each of the Fall, Winter and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This, in turn, requires that students take courses during at least one Summer semester.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Calendar Section: Computer Science, Arts and Science Co-op

SPECIALIST (CO-OPERATIVE) PROGRAM IN COMPUTER SCIENCE - Information Systems Stream (SCIENCE) - SCSPE0455C

Academic Program Advisor: S. Calanza susan.calanza@utoronto.ca
Co-op Program Coordinator: C. Dixon coopsuccess.utsc@utoronto.ca

This program provides a working knowledge of the foundations of computer science: modern computer software and hardware, theoretical aspects of computer science, and relevant areas of mathematics and statistics. It also imparts an appreciation of the discipline's transformative impact on science and society. The program prepares students for further study and for careers in the computing industry. It comprises four streams with different emphases:

The Information Systems Stream has a similar focus as the Software Engineering Stream, but it provides additional exposure to certain aspects of business management. It is of special interest to students wishing to pursue careers in technical management but who have a deep interest in the technology.

The structure of the program requirements allows one to easily switch streams until relatively late in the program. Consequently, these streams should not be viewed as rigidly separated channels feeding students to different career paths, but as a flexible structure that provides computer science students guidance in their course selection based on their broad (but possibly fluid) interests.

Enrolment Requirements

Enrolment in the Specialist (Co-operative) program in Computer Science (all streams) is limited.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits. Students must have completed the required A-level CSC and MAT courses, and achieved the required grades, described in the Enrolment Requirements for the Specialist in Computer Science. In addition, they must also have achieved a CGPA of at least 2.5 across all attempted courses.

*Students must select **one** stream of the CS Specialist Co-op. Admission to the Entrepreneurship stream also requires the

submission of a Supplementary Application Form available on the Department of Computer and Mathematical Sciences webpage.

Prospective Co-op Students:
Prospective students (i.e., those not yet admitted to a Co-op Degree POSt) must meet the enrolment requirements noted above and have a CGPA of at least 2.75 across all attempted courses.

Students must submit a program request on ACORN. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application not being considered.

Program Requirements
Students must complete the program requirements as described in the Specialist Program in Computer Science.
To remain in the program, students must maintain a CGPA of 2.5 or higher throughout the program. To complete the program, students must meet the work term and course requirements described below.

Co-op Work Term Requirements
Students must satisfactorily complete three Co-op work terms, each of four-months duration, one of which can be during the summer. To be eligible for their first work term, students must be enrolled in the Specialist (Co-operative) Program in Computer Science and have completed at least 7.0 credits, including all first year required courses (CSCA08H3, CSCA48H3, CSCA67H3, MATA22H3, MATA31H3, MATA37H3).
In addition to their academic program requirements, Co-op students complete up to five Co-op specific courses. These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They cover a variety of topics intended to assist students in developing the skills and tools required to secure work terms that are appropriate to their program of study, and to perform professionally in the workplace. These courses must be completed in sequence, and are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

Co-op Preparation Course Requirements:

1. COPB50H3/(COPD01H3) – Foundations for Success in Arts & Science Co-op
- Students entering Co-op from outside of UTSC (high school or other postsecondary) will complete this course in Fall or Winter of their first year at UTSC. Enrolment in each section is based on admission category: Typically, students in Computer Science, Mathematics and Statistics enroll in the Fall semester while all other Arts & Science Co-op admission categories enroll in the Winter semester however this may vary year to year.
- Current UTSC students entering Co-op in April/May will complete this course in the Summer semester.
- Current UTSC students entering Co-op in July/August will complete this course in the Fall semester.

2. COPB51H3/(COPD03H3) – Preparing to Compete for your Work Term
- This course will be completed eight months in advance of the first scheduled work term.

3. COPB52H3/(COPD11H3) – Managing your Job Search and Transition to the Workplace
- This course will be completed four months in advance of the first work scheduled work term.

4. COPC98H3/(COPD12H3) – Integrating Your Work Term Experience Part I
- This course will be completed four months in advance of the second scheduled work term.

5. COPC99H3/(COPD13H3) – Integrating Your Work Term Experience Part II
- This course will be completed four months in advance of the third scheduled work term (for programs that require the completion of 3 work terms and/or four months in advance of any additional work terms that have been approved by the Arts and Science Co-op Office.

Students must be available for work terms in each of the Fall, Winter and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This, in turn, requires that students take courses during at least one Summer semester.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Calendar Section: Computer Science, Arts and Science Co-op

SPECIALIST (CO-OPERATIVE) PROGRAM IN COMPUTER SCIENCE -

Software Engineering Stream (SCIENCE) - SCSPE0795C

Academic Program Advisor: S. Calanza susan.calanza@utoronto.ca
Co-op Program Coordinator: C. Dixon coopsuccess.utsc@utoronto.ca

This program provides a working knowledge of the foundations of computer science: modern computer software and hardware, theoretical aspects of computer science, and relevant areas of mathematics and statistics. It also imparts an appreciation of the discipline's transformative impact on science and society. The program prepares students for further study and for careers in the computing industry. It comprises four streams with different emphases:

The Software Engineering Stream places a greater emphasis on the engineering side of the discipline, including computer systems and core applications.

The structure of the program requirements allows one to easily switch streams until relatively late in the program. Consequently, these streams should not be viewed as rigidly separated channels feeding students to different career paths, but as a flexible structure that provides computer science students guidance in their course selection based on their broad (but possibly fluid) interests.

Enrolment Requirements

Enrolment in the Specialist (Co-operative) program in Computer Science (all streams) is limited.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits. Students must have completed the required A-level CSC and MAT courses, and achieved the required grades, described in the Enrolment Requirements for the Specialist in Computer Science. In addition, they must also have achieved a CGPA of at least 2.5 across all attempted courses.

*Students must select **one** stream of the CS Specialist Co-op. Admission to the Entrepreneurship stream also requires the submission of a Supplementary Application Form available on the Department of Computer and Mathematical Sciences webpage.

Prospective Co-op Students:
Prospective students (i.e., those not yet admitted to a Co-op Degree POSt) must meet the enrolment requirements noted above and have a CGPA of at least 2.75 across all attempted courses.

Students must submit a program request on ACORN. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application not being considered.

Program Requirements
Students must complete the program requirements as described in the Specialist Program in Computer Science.
To remain in the program, students must maintain a CGPA of 2.5 or higher throughout the program. To complete the program, students must meet the work term and course requirements described below.

Co-op Work Term Requirements
Students must satisfactorily complete three Co-op work terms, each of four-months duration, one of which can be during the summer. To be eligible for their first work term, students must be enrolled in the Specialist (Co-operative) Program in Computer Science and have completed at least 7.0 credits, including all first year required courses (CSCA08H3, CSCA48H3, CSCA67H3, MATA22H3, MATA31H3, MATA37H3).
In addition to their academic program requirements, Co-op students complete up to five Co-op specific courses. These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They cover a variety of topics intended to assist students in developing the skills and tools required to secure work terms that are appropriate to their program of study, and to perform professionally in the workplace. These courses must be completed in sequence, and are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

Co-op Preparation Course Requirements:

1. COPB50H3/(COPD01H3) – Foundations for Success in Arts & Science Co-op
- Students entering Co-op from outside of UTSC (high school or other postsecondary) will complete this course in Fall or Winter of their first year at UTSC. Enrolment in each section is based on admission category: Typically, students in Computer Science, Mathematics and Statistics enroll in the Fall semester while all other Arts & Science Co-op admission categories enroll in the Winter semester however this may vary year to year.
- Current UTSC students entering Co-op in April/May will complete this course in the Summer semester.
- Current UTSC students entering Co-op in July/August will complete this course in the Fall semester.

2. COPB51H3/(COPD03H3) – Preparing to Compete for your Work Term
- This course will be completed eight months in advance of the first scheduled work term.

3. COPB52H3/(COPD11H3) – Managing your Job Search and Transition to the Workplace
- This course will be completed four months in advance of the first work scheduled work term.

4. COPC98H3/(COPD12H3) – Integrating Your Work Term Experience Part I
- This course will be completed four months in advance of the second scheduled work term.

5. COPC99H3/(COPD13H3) – Integrating Your Work Term Experience Part II
- This course will be completed four months in advance of the third scheduled work term (for programs that require the completion of 3 work terms and/or four months in advance of any additional work terms that have been approved by the Arts and Science Co-op Office.

Students must be available for work terms in each of the Fall, Winter and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This, in turn, requires that students take courses during at least one Summer semester.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Calendar Section: Computer Science, Arts and Science Co-op

SPECIALIST (CO-OPERATIVE) PROGRAM IN CONSERVATION AND BIODIVERSITY (SCIENCE) - SCSPE1150C

Academic Program Supervisor: biodiversity@utsc.utoronto.ca
Co-op Program Coordinator: C. Dixon, coopsuccess.utsc@utoronto.ca

This program presents a foundation for understanding how ecology and evolution shape organismal features (from morphology and physiology to behaviour), and the structure and function of communities and ecosystems. These processes determine the broad patterns of organization of life on earth and biodiversity, and the challenges to biodiversity are daunting: habitat destruction, biological invasions and climate change are causing loss of species and disruption of ecosystems worldwide. In this program, students are trained to understand and actively seek solutions to these problems. This program will also show how ecological and evolutionary perspectives can be used to understand and predict the outcome of dynamic interactions among organisms, populations, species, and communities, Graduates will be well trained to take on positions in government agencies, consulting firms or NGOs, to pursue careers in business or law related to environmental issues, stewardship and sustainable development, or to continue with graduate studies in science for academic careers.

The co-op option of the Conservation and Biodiversity program complements and punctuates academic course work with full-time work terms in the various governmental or non-governmental conservation agencies, in labs or in public or private industry. These work terms help students define and refine their career and/or professional school goals. For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Students apply to the Co-op Specialist Program in Conservation and Biodiversity after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics and with a minimum cumulative grade point average (CGPA) of at least 2.5.

Current Co-op Students:
Students admitted to a Co-op Degree Program in their first year of study (i.e. Life Sciences Co-op) may request this Co-op Subject POSt on ACORN only after completion of 4.0 credits; in addition, students must meet the minimum enrolment requirements for entry as noted above for this program. Students must also submit a formal application to the department to be considered for the program. This includes a one-page statement for why they are suitable candidates to take the program. Short-listed students will be invited to an oral interview to determine interest and eligibility.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered. Students must also submit a formal application to the department to be

considered for the program. This includes a one-page statement for why they are suitable candidates to take the program. Short-listed students will be invited to an oral interview to determine interest and eligibility.

The program requires students to complete a total of 14.5 credits.

A. Required Courses

First Year

1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 1.0 Credit in Mathematics
Choose from:
[MATA29H3 Calculus I for the Life Sciences and MATA35H3 Calculus II for Biological Sciences] or
[MATA30H3 Calculus I for Physical Sciences and MATA36H3 Calculus II for Physical Sciences]

4. 0.5 Credit in Physics
Choose from:
PHYA10H3 Physics I for the Physical Sciences
PHYA11H3 Physics I for the Life Sciences

5. 0.5 Credit in Computer Science
Choose from:
CSCA08H3 Introduction to Computer Science I (most appropriate course for Computer Science students)
CSCA20H3 Introduction to Programming (most appropriate course for non-Computer Science students)

Second Year

6. 3.0 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*

*Note: Completion of BIOB90H3 is a graduation requirement for students in this program. Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3. Please see BIOB90H3 in the Calendar for important information.

7. 0.5 Credit of Biology Core Labs
BIOB52H3 Ecology and Evolutionary Biology Laboratory

8. 0.5 Credit in Statistics
Choose from:
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Third Year

9. 2.5 Credits of C-level Ecology and Evolution Foundation Courses
BIOC16H3 Evolutionary Genetics and Genomics
BIOC50H3 Macroevolution
BIOC52H3 Field Ecology
BIOC61H3 Community Ecology and Environmental Biology
BIOC63H3 Conservation Biology

Third/Fourth Year

10. 4.0 credits of C- & D-level courses from Bins 1 and 2 below. This must include at least 1.0 credit from each bin and at least 1.0 credit total at the D-level.

Bin 1: C- & D-level Ecology and Evolution Courses
Choose from:

BIOC29H3 Introductory Mycology
BIOC51H3 Tropical Biodiversity Field Course
BIOC58H3 Biological Consequences of Global Change
BIOC60H3 Winter Ecology
BIOC65H3 Environmental Toxicology
BIOD25H3 Genomics
BIOD52H3 Biodiversity and Conservation
BIOD54H3 Applied Conservation Biology
BIOD55H3 Experimental Animal Behaviour
BIOD59H3 Models in Ecology, Epidemiology and Conservation
BIOD60H3 Spatial Ecology
BIOD62H3 Symbiosis: Interactions Between Species
BIOD63H3 From Individuals to Ecosystems: Advanced Topics in Ecology
BIOD66H3 Causes and Consequences of Biodiversity
BIOD67H3 Inter-University Biology Field Course
EESC04H3 Biodiversity and Biogeography

Bin 2: C- & D-level Organismal Biology Courses
Choose from:
BIOC37H3 Plants: Life on the Edge
BIOC40H3 Plant Physiology
BIOC54H3 Animal Behaviour
BIOC59H3 Advanced Population Ecology
BIOC62H3 Role of Zoos and Aquariums in Conservation
BIOD26H3 Fungal Biology & Pathogenesis
BIOD34H3 Conservation Physiology
BIOD37H3 Biology of Plant Stress
BIOD43H3 Animal Movement and Exercise
BIOD45H3 Animal Communication
BIOD48H3 Ornithology
BIOD53H3 Special Topics in Animal Behaviour
EESC30H3 Environmental Microbiology
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*

*Note: Completion of BIOC90H3 is a graduation requirement for students in this program. Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3. Please see BIOC90H3 in the Calendar for important information.

B. Senior Research Courses (optional)
Students interested in graduate research are encouraged to take one or more of the independent research courses offered in Biological Sciences as part of their degree.
BIOD95H3 Supervised Study in Biology
BIOD98Y3 Directed Research in Biology
BIOD99Y3 Directed Research in Biology

Co-op Work Term Requirements
Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) Program in Conservation and Biodiversity and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3.

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

- Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
- Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
- Co-op Work Term courses: COPC30H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate

to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC30H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Calendar Section: Biological Sciences, Arts and Science Co-op

SPECIALIST (CO-OPERATIVE) PROGRAM IN ECONOMICS FOR MANAGEMENT STUDIES (BACHELOR OF BUSINESS ADMINISTRATION) - SCSPE1332

Academic Director: J. Parkinson E-mail: ecoss.utsc@utoronto.ca
Assistant Director: P. Brown E-mail: mgmtcoop@utsc.utoronto.ca

The Specialist (Co-operative) Program in Economics for Management Studies is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in public and private enterprises. Depending on their needs and abilities, students work in areas such as accounting, public administration, auditing, communications, economic development, finance, human resources/personnel, information systems, marketing, policy, strategic planning and entrepreneurship.

This program will provide a specialization for those wishing for a substantial component of Economics in a Management degree leading to a B.B.A. It is designed to allow students to learn practical skills of data analysis and to combine them with the interpretive skills given by the knowledge of economic theory.

The Program operates on a trimester schedule, featuring three semesters (Fall, Winter and Summer) in each Calendar year. Students work or study in all three semesters for four years, or until graduation requirements are met. The Program requires eight four-month semesters of study and three four-month work terms. Students normally begin with three to five study terms (Fall, Winter and Summer), then alternate study and work terms. Students always conclude their degree with a study term.

Enrolment Requirements
Enrolment in this Program is limited.

1. Students applying directly from high school are admitted on the basis of academic performance. They must have completed Grade 12 English and Grade 12 Calculus.
Course Guidelines for Students Admitted to B.B.A. Co-op Programs Directly from High school students must complete the following courses in their first year of study: MGEA02H3, MGEA06H3, MATA34H3, MGAB01H3, MGAB02H3, MGHA12H3, MGMA01H3, and MGTA38H3.

2. Students requesting admission after the first year must request ONLY ONE Management Co-op Subject POSt on ACORN. Students may apply at the end of the Winter semester and/or at the end of the Summer semester. Application for admission will be considered only for the round during which the student has made the Subject POSt request.

The minimum Cumulative Grade Point Average (CGPA) for Program admission is calculated for each application period and is based on University of Toronto courses only. Normally, the minimum CGPA requirement for Co-op Programs will be higher than for non Co-op Programs. Decisions are made when all grades have been received.

Students must have completed the following courses (or their equivalent): MGEA02H3, MGEA06H3, MGTA38H3, and MATA34H3. However [[MATA29H3 or MATA30H3 or MATA31H3 or (MATA32H3)] and [(MATA33H3) or MATA35H3 or MATA36H3 or MATA37H3]] may also be used to satisfy the calculus requirement. None of the courses listed above (or their equivalent) can be designated as CR/NCR. Of the total credits that students have completed when they apply, at least 4.0 credits must be in University of Toronto courses that have been graded (i.e., not designated as CR/NCR). Students may apply until they have completed up to 10.0 credits. Students who have completed more than 10.0 credits will not be considered for admission to the Program.

Applicants must submit a resume and covering letter to the Management Co-op Office during the limited Subject POSt request period outlined on the Office of the Registrar website. For information on what to include in your resume and

covering letter, visit the Management Co-op Office website. An interview may also be required.

CGPA Requirement to Remain in the Program
Students whose CGPA falls below 2.5 will be placed on probation; Students whose CGPA falls below 2.3 will be removed from Co-op, and students whose CGPA falls below 2.0 will be removed from all BBA programs. A student may request reinstatement to the non Co-op Specialist Program only if they complete at least 2.0 credits (none of which can be designated as CR/NCR) in the following session and raise their CGPA to at least 2.0. This opportunity will be provided only once.

Most internal admissions to Management Co-op will be done at the end of the Winter semester. Based on availability, a small number of students who apply at the end of the Summer semester may be admitted.

Program Requirements
Students must complete the program requirements as described in the Specialist Program in Economics for Management Studies.

Co-op Work Term Requirements
All Co-op students must take MGTA38H3 prior to the commencement of their first work term. Students are advised to consult regularly with the Academic Director, or the Program Advisor if they have questions regarding course selection and scheduling. It is, however, the students' individual responsibility to ensure that they have completed the correct courses to make them eligible for each work term and that they have correctly completed program and degree requirements for graduation.

Students who apply after the first year and are successful in receiving a June offer to any Management Co-op program will be expected to complete a Co-op Advancing Your Career Exploration (AYCE) course beginning in the third week of June and continuing throughout the summer.

To compete for a work term a student must maintain a 2.5 CGPA, and must have completed:

1. For the first work term:
a) 7.0 credits, including: MGEA02H3, MGEA06H3, MGAB01H3, MGAB02H3, MGHA12H3, MGMA01H3, MGTA38H3, and MATA34H3. However, [[MATA29H3 or MATA30H3 or MATA31H3 or (MATA32H3)] and [(MATA33H3) or MATA35H3 or MATA36H3 or MATA37H3]] may also be used to satisfy the calculus requirement.
b) The Management Co-op Advancing Your Career Exploration (AYCE): [COPB11H3 and COPB12H3] or COPB10Y3.

2. For the second work term: 9.0 credits.

3. For the third work term: 11.0 credits.

For information on fees and status in Co-op programs, and certification of completion of Co-op programs, please see the Co-operative Programs section or the Management Co-op section in the UTSC *Calendar*.

Calendar Section: Management

SPECIALIST (CO-OPERATIVE) PROGRAM IN ENGLISH (ARTS) - SCSPE1645C

For more information, contact eng-ugc.utsc@utoronto.ca
Co-op Contact: coopsuccess.utsc@utoronto.ca

The Specialist (Co-op) Program in English is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to English upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term Preparation courses and a minimum of two Co-op work terms.

Enrolment Requirements
The minimum qualifications for entry are 4.0 credits, plus a cumulative GPA of at least 2.5.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon

completion of 4.0 credits and must meet the minimum qualifications for entry as noted above.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Program Requirements
Students must complete the program requirements as described in the Specialist Program in English.

Co-op Work Term Requirements
Students must satisfactorily complete two Co-op work terms, each of four-months duration. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) Program in English and have completed at least 9.0 credits, including ENGA01H3 and ENGA02H3.
In addition to their academic program requirements, Co-op students complete up to four Co-op specific courses. These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They cover a variety of topics intended to assist students in developing the skills and tools required to secure work terms that are appropriate to their program of study, and to perform professionally in the workplace. These courses must be completed in sequence, and are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

Co-op Preparation Course Requirements:

1. COPB50H3/(COPD01H3) – Foundations for Success in Arts & Science Co-op
- Students entering Co-op from outside of UTSC (high school or other postsecondary) will complete this course in Fall, Winter, or Summer of their first year at UTSC.
- Current UTSC students entering Co-op in April/May will complete this course in the Summer semester.
- Current UTSC students entering Co-op in July/August will complete this course in the Winter semester.

2. COPB51H3/(COPD03H3) – Preparing to Compete for your Work Term
- This course will be completed eight months in advance of the first scheduled work term.

3. COPB52H3/(COPD11H3) – Managing your Job Search and Transition to the Workplace
- This course will be completed four months in advance of the first work scheduled work term.

4. COPC98H3/(COPD12H3) – Integrating Your Work Term Experience Part I
- This course will be completed four months in advance of the second scheduled work term.

5. COPC99H3/(COPD13H3) – Integrating Your Work Term Experience Part II
- This course will be completed four months in advance of the third scheduled work term (for programs that require the completion of 3 work terms and/or four months in advance of any additional work terms that have been approved by the Arts and Science Co-op Office.

Students must be available for work terms in each of the Fall, Winter and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This, in turn, requires that students take courses during at least one Summer semester.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Calendar Section: English, Arts and Science Co-op

SPECIALIST (CO-OPERATIVE) PROGRAM IN ENVIRONMENTAL CHEMISTRY (SCIENCE) - SCSPE0361C

Co-op Program Coordinator: coopsuccess.utsc@utoronto.ca

The Specialist (Co-op) Program in Environmental Chemistry is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue

on to graduate training in an academic field related to Environmental Chemistry upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term and Course requirements.

Enrolment Requirements
The minimum qualifications for entry are 4.5 credits, including, BIOA01H3, BIOA02H3, CHMA10H3, CHMA11H3, EESA01H3, EESA06H3, MATA30H3, [MATA35H3 or MATA36H3 or MATA37H3] and [PHYA10H3 or PHYA11H3], plus a cumulative GPA of at least 2.5.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Academic Program Requirements
Students must complete the program requirements as described in the Specialist Program in Environmental Chemistry.

Co-op Work Term Requirements
Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) Program in Environmental Chemistry and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3. It is strongly recommended that CHMB16H3 be completed before the first work term.

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

- Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
- Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
- Co-op Work Term courses: COPC05H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC05H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Calendar Section: Chemistry, Arts and Science Co-op

SPECIALIST (CO-OPERATIVE) PROGRAM IN ENVIRONMENTAL GEOSCIENCE (SCIENCE) - SCSPE0350D

Co-op Program Coordinator: coopsuccess.utsc@utoronto.ca

The Specialist (Co-op) Program in Environmental Geoscience is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to Environmental Geoscience upon graduation.
This program has been designed to meet the expectations of the Association of Professional Geoscientists of Ontario (APGO) - the licensing and regulatory body responsible for ensuring that geoscientists have the appropriate qualifications to practice. Please visit the APGO website for further information on requirements to become a Professional Geoscientist (P.Geo) in Ontario.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term and Course requirements.

Enrolment Requirements
The minimum qualifications for entry are 5.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, CHMA11H3, EESA01H3, EESA06H3, MATA30H3, [MATA36H3 or MATA37H3], PHYA10H3 and PHYA21H3, plus a cumulative GPA of at least 2.5.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Academic Program Requirements
Students must complete the program requirements as described in the Specialist Program in Environmental Geoscience.

Co-op Work Term Requirements
Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) Program in Environmental Geoscience and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3.

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

- Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
- Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
- Co-op Work Term courses: COPC05H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC05H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Calendar Section: Environmental Science, Arts and Science Co-op

SPECIALIST (CO-OPERATIVE) PROGRAM IN ENVIRONMENTAL PHYSICS (SCIENCE) - SCSPE1076C

Co-op Program Coordinator: coopsuccess.utsc@utoronto.ca

The Specialist (Co-op) Program in Environmental Physics is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to Environmental Physics upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term and Course requirements.

Enrolment Requirements
The minimum qualifications for entry are 3.5 credits, including CHMA10H3, CHMA11H3, EESA06H3, MATA30H3, [MATA36H3 or MATA237H3], PHYA10H3 and PHYA21H3, plus a cumulative GPA of at least 2.5.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Academic Program Requirements
Students must complete the program requirements as described in the Specialist Program in Environmental Physics.

Co-op Work Term Requirements
Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) Program in Environmental Physics and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3.

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

- Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
- Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
- Co-op Work Term courses: COPC05H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC05H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Calendar Section: [Physics and Astrophysics](#), [Arts and Science Co-op](#)

SPECIALIST (CO-OPERATIVE) PROGRAM IN EVOLUTIONARY ANTHROPOLOGY (SCIENCE) - SCSPE1780M

Co-op Program Coordinator: C. Dixon
Email: coopsuccess.utsc@utoronto.ca

The Specialist (Co-op) in Evolutionary Anthropology is intended to provide the professionally oriented student with background preparation of sufficient breadth and depth to pursue specialized training at the graduate level. It is also designed to offer interested students a course structure as background for a wide range of occupations and professions. Students are encouraged to consult with the Undergraduate Counsellor regarding the selection of a course sequence appropriate to their interests and objectives. In exceptional circumstances, supervised research and reading courses are available at the C- and D-levels ([ANTC04H3](#), [ANTD32H3](#)). These courses require special arrangements prior to registration. Read the descriptions for these courses carefully as restrictions apply.

The Specialist (Co-op) in Evolutionary Anthropology complements and punctuates academic course work with full-time work terms which help students define and refine their career and/or professional school goals.

The minimum qualifications for entry are 4.0 credits, including [ANTA01H3](#) and [ANTA02H3](#), with a minimum cumulative GPA of 2.5 or higher.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above for this program.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the [Office of the Registrar](#) each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Students must complete the program requirements as described in the Specialist Program in Evolutionary Anthropology.

Co-op Work Term Requirements
Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) in Evolutionary Anthropology and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete [COPB50H3](#) and [COPB51H3](#).

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

- Co-op Preparation courses: [COPB50H3](#) and [COPB51H3](#) (completed in first year)
- Work Term Search courses: [COPB52H3](#) (semester prior to first work term), [COPC98H3](#) (semester prior to second work term), and [COPC99H3](#) (semester prior to third work term)
- Co-op Work Term courses: [COPC21H3](#) (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses ([COPB50H3](#) & [COPB51H3](#)) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses ([COPB52H3](#), [COPC98H3](#), & [COPC99H3](#)) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses ([COPC21H3](#)) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Calendar Section: Anthropology, Arts and Science Co-op

SPECIALIST (CO-OPERATIVE) PROGRAM IN FRENCH (ARTS) - SCSPE2156C

For more information, please contact:

Academic Program Advisor: dls-ua@utsc.utoronto.ca

Co-op Program Coordinator: coopsuccess.utsc@utoronto.ca

The Specialist (Co-op) Program in French is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to French upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term Preparation courses and a minimum of two Co-op work terms.

Enrolment Requirements
The minimum qualifications for entry to the program are 4.0 credits, including FREA01H3 and FREA02H3, plus a cumulative GPA of at least 2.5.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Program Requirements
Students must complete the program requirements as described in the Specialist Program in French.

Co-op Work Term Requirements
Students must satisfactorily complete two Co-op work terms, each of four months duration. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) Program in French and have completed at least 9.0 credits including, FREB01H3 and FREB02H3. In addition to their academic program requirements, Co-op students complete up to four Co-op specific courses. These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They cover a variety of topics intended to assist students in developing the skills and tools required to secure work terms that are appropriate to their program of study, and to perform professionally in the workplace. These courses must be completed in sequence, and are taken in addition to a full course load. They are recorded as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

Co-op Preparation Course Requirements:

1. COPB50H3/(COPD01H3) – Foundations for Success in Arts & Science Co-op
- Students entering Co-op from outside of UTSC (high school or other postsecondary) will complete this course in Fall, Winter, or Summer of their first year at UTSC.
- Current UTSC students entering Co-op in April/May will complete this course in the Summer semester.
- Current UTSC students entering Co-op in July/August will complete this course in the Winter semester.

2. COPB51H3/(COPD03H3) – Preparing to Compete for your Work Term
- This course will be completed eight months in advance of the first scheduled work term.

3. COPB52H3/(COPD11H3) – Managing your Job Search and Transition to the Workplace
- This course will be completed four months in advance of the first work scheduled work term.

4. COPC98H3/(COPD12H3) – Integrating Your Work Term Experience Part I
- This course will be completed four months in advance of the second scheduled work term.

5. COPC99H3/(COPD13H3) – Integrating Your Work Term Experience Part II
- This course will be completed four months in advance of the third scheduled work term (for programs that require the completion of 3 work terms and/or four months in advance of any additional work terms that have been approved by the Arts and Science Co-op Office.

Students must be available for work terms in each of the Fall, Winter and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This, in turn, requires that students take courses during at least one Summer semester.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Calendar Section: French, Arts and Science Co-op

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