MAJOR PROGRAM IN STATISTICS (SCIENCE) - SCMAJ2289

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

Recommended Writing Course
Students are urged to take a course from the following list of courses by the end of their second year. ANTA01H3, ANTA02H3, CLAA06H3, (CTLA19H3), CTLA01H3, ENGA10H3, ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3, ENGB17H3, ENGB19H3, ENGB50H3, (ENGB51H3), GGRA02H3, GGRA03H3, GGRB05H3, (GGRB06H3), (HISA01H3), (HLTA01H3), ACMA01H3, (HUMA01H3), (HUMA11H3), (HUMA17H3), (LGGA99H3), LINA01H3, PHLA10H3, PHLA11H3, WSTA01H3.

Enrolment Requirements

Enrolment in the Major Program in Statistics is limited.

Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Statistics admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses:[CSCA08H3 or CSCA20H3], MATA22H3, [MATA30H3 or MATA31H3] and [MATA36H3 or MATA37H3].

Required Grades:

Students that meet the following requirements will be admitted to the Statistics Major POSt:
a. A cumulative grade point average (CGPA) of at least 2.3 over the following courses: CSCA08H3/CSCA20H3, MATA22H3, MATA30/31H3, and MATA36/37H3.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to other CMS admissions categories (Computer Science or Mathematics) or any other UTSC Year 1 admissions categories are eligible to apply for a Statistics Major POSt. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Program Requirements
This program requires 8.0 credits.

1. A-level courses
MATA22H3 Linear Algebra I for Mathematical Sciences
[CSCA08H3 Introduction to Computer Science I or CSCA20H3 Computer Science for the Sciences]
[MATA30H3 Calculus I for Physical Sciences or MATA31H3 Calculus I for Mathematical Sciences*]
[MATA36H3 Calculus II for Physical Sciences or MATA37H3 Calculus II for Mathematical Sciences*]
*The sequence MATA31H3 and MATA37H3 is recommended. MATA31H3 is the prerequisite for MATA37H3.

2. B-level courses
MATB24H3 Linear Algebra II
MATB41H3 Techniques of the Calculus of Several Variables I
MATB42H3 Techniques of the Calculus of Several Variables II
[STAB52H3 An Introduction to Probability or STAB53H3 Introduction to Applied Probability]*
STAB57H3 An Introduction to Statistics*

3. Upper-level courses
STAC67H3 Regression Analysis*
and
1.5 credits from the following:
any C- or D-level STA courses, except: STAC32H3, STAC53H3 and STAD29H3

4. Electives

1.5 credit from the following:
STAA57H3, ACTB40H3, STAB41H3, MATB61H3, or any C- or D-level CSC, MAT or STA courses

* STAB52H3, STAB53H3, STAB57H3, STAC67H3 - These courses must be taken at UTSC. No substitutes are permitted without permission from the program supervisor.

Calendar Section: Statistics

MAJOR PROGRAM IN STUDIO ART (ARTS) - SCMAJ1126

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

Enrolment Requirements
Enrolment in the Major in Studio Art is limited. Students must apply to enter the program after completing four credits including VPSA62H3 and VPSA63H3. Decisions are made on program admissions only twice a year, in May and August, and are based on student requests submitted to the Office of the Registrar through ACORN. Admission is determined on the basis of a students overall GPA and grades in VPSA62H3 and VPSA63H3.

Program Requirements
Students must complete 7.5 credits as follows:

1. 1.5 credits as follows:
VPSA62H3 Foundation Studies in Studio
VPSA63H3 But Why Is It Art?
VPHA46H3 Ways of Seeing: Introduction to Art Histories

2. VPSB01H3 The Artists

3. 2.5 additional credits in VPSB-level, of which 1.0 credits must be from the following:
VPSB56H3 Digital Studio I
VPSB58H3 Video I
VPSB59H3 Sculpture I
VPSB70H3 Drawing I
* Students may use up to 0.5 VPHB-level or 0.5 MDSB-level credit towards this requirement, provided they hold the prerequisites.

4. 2.5 additional credits in VPSC-level, of which 1.0 credits must be from the following:
VPSC56H3 Studio and Exhibition Practice
VPSC85H3 Essential Skills for Emerging Artists
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

5. 0.5 credit at the VPSD-level
Majors are encouraged to take VPSD56H3. (Note that VPSD56H3 requires VPSC56H3 Studio and Exhibition Practice as a prerequisite).

Calendar Section: Studio Art

MAJOR PROGRAM IN THEATRE AND PERFORMANCE (ARTS) - SCMAJ2150

ACM Program Manager: email (acm-pa@utoronto.ca)

Program Requirements
Students must complete 8.0 credits, of which 2.0 credits must be at the C- or D-level.

1. Foundational Courses (1.0 credit):
THRA10H3 Introduction to Theatre
THRA11H3 Introduction to Performance

2. Areas of Focus Courses (4.0 credits):
1.0 credit from each of the four Areas of Focus listed below:
- Theatre & Society (1.0 credit)
- Theatre in Communities (1.0 credit)
- Performance (1.0 credit)
- Production (1.0 credit)
*For the specific courses that fall into each of these areas see the Areas of Focus table.

3. THRD60H3 Advanced Seminar in Theatre and Performance (0.5 credit)

4. 2.5 additional credits in Theatre and Performance (THR) courses:
In fulfilling this component of the course requirements, students may substitute 1.0 credit from another discipline with the Program Director's written permission. The following courses are particularly recommended:
ENGB14H3 Twentieth-Century Drama
ENGB32H3 Shakespeare in Context I
ENGB33H3 Shakespeare in Context II
ENGC04H3 Creative Writing: Screenwriting
ENGC07H3 Canadian Drama
ENGC26H3 Drama: Tragedy
ENGC27H3 Drama: Comedy
ENGC89H3 Creative Writing and Performance
GASB15H3 The Arts of South Asia
HLTB50H3 Introduction to Health Humanities
HLTD51H3 Aging and the Arts
MDSB63H3 Sound and Visual Media
MDSC65H3 Games and Play
MUZB01H3/(VPMB01H3) Introduction to Community Music
MUZB02H3/(VPMB02H3)Music Facilitation and Learning
MUZC02H3/(VPMC02H3) Music, Health and Wellness
VPSB77H3 Performance Art
VPSC71H3 Performing with Cameras

Calendar Section: Theatre and Performance

MAJOR PROGRAM IN WOMEN'S AND GENDER STUDIES (ARTS) - SCMAJ0571G

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

Program Requirements
Students must complete 7.0 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. WSTC02H3 Feminist Qualitative Research in Action

5. 2.5 additional credits in WST courses from the list below, of which at least 0.5 credit must be at the C-level, and a further 1.0 credit must be at the D-level (including 0.5 credit from WSTD03H3 or WSTD04H3 or WSTD09H3 or WSTD10H3)

WSTB06H3 Women in Diaspora
WSTB09H3 Gender, Race, and Colonialism
WSTB10H3 Women, Power and Protest: Transnational Perspectives
WSTB12H3 Gender-based Violence and Resistance
WSTB13H3 Feminist Critiques of Media and Culture
WSTB20H3/(WSTC20H3) Feminism and The Environment
WSTB22H3/HISB22H3 From Freedom Runners to #BlackLivesMatter: Histories of Black Feminism in Canada
WSTB25H3 LGBTQ History, Theory and Activism
WSTC10H3/AFSC53H3 Gender and Critical Development
WSTC12H3 Writing the Self: Global Women's Autobiographies
WSTC13H3 Women, Gender and Islam
WSTC14H3 The Gender Politics of Policy Change
WSTC16H3 Gender, Justice and the Law
WSTC22H3 Gender and Film
WSTC23H3 Community Engagement Practicum
WSTC24H3 Gender in the Kitchen
WSTC25H3 Transnational Queer Sexualities
WSTC26H3 Critical Race and Black Feminist Theories
WSTC28H3/LINC28H3 Language and Gender
WSTC30H3 Special Topics in Women's and Gender Studies
WSTC31H3 Special Topics in Women's and Gender Studies
WSTC40H3 Gender and Disability
WSTC66H3/HISC66H3 Histories of Gender and Sexuality in Muslim Societies: Between Law, Ethics and Culture
WSTD01H3 Independent Project in Women's and Gender Studies
WSTD03H3 Feminist Perspectives on Sex, Gender and the Body
WSTD04H3 Critical Perspectives on Gender and Human Rights
WSTD09H3 Race, Gender, and Islamophobia
WSTD10H3 Creating Stories for Social Change
WSTD11H3 Special Topics in Women's and Gender Studies
WSTD16H3/HISD16H3 Socialist Feminism in Global Context
WSTD30H3/GASD30H3 Gender and Techno-Orientalism
WSTD46H3/HISD46H3 Selected Topics in Canadian Women's History

6. 2.0 credits from the course list below:
AFSC97H3/HISC97H3 Women and Power in Africa
ANTC14H3 Feminism and Anthropology
ANTC15H3 Genders and Sexualities
ANTD01H3 The Body in Culture and Society
ENGB50H3 Women and Literature: Forging a Tradition
[(ENGB51H3) or ENGC54H3 Gender and Genre]
ENGB74H3 The Body in Literature and Film
(ENGC77H3)/(VPAC48H3) The Body in Contemporary Culture: Theories and Representations
ENGC34H3 Early Modern Women and Literature: 1500-1700
ENGC51H3 Contemporary Arab Women Writers
ENGD80H3 Women and Canadian Writing
GASB20H3 Gender and Social Institutions in Asia
GASC20H3 Gendering Global Asia
GASD20H3 Advanced Seminar: Social Change and Gender Relations in Chinese Societies
GASD56H3/HISD56H3 'Coolies' and Others: Asian Labouring Diasporas in the British Empire
GGRD09H3 Feminist Geographies
GGRD10H3 Health and Sexuality
HISC45H3 Immigrant and Race Relations in Canadian History
HLTC02H3 Women and Health: Past and Present
HLTC46H3 Gender, Health and Society
IDSD06H3 Feminist and Postcolonial Perspectives in Development Studies
MGHC23H3/(MGTC23H3) Diversity in the Workplace
PHLB13H3 Philosophy and Feminism
POLC94H3 Globalization, Gender and Development
PSYD18H3 Psychology of Gender
SOCB22H3 Sociology of Gender
SOCB49H3 Sociology of Family
SOCC09H3 Sociology of Gender and Work
SOCC24H3 Special Topics in Gender and Family
SOCC29H3 Family and Gender in the Middle East
SOCC38H3 Gender and Education
(VPHB57H3) Women in the Arts: Hot Mamas, Amazons, and Madonnas

Calendar Section: [Women's and Gender Studies](#)

MINOR PROGRAM IN AFRICAN STUDIES (ARTS) - SCMINAFS

Program Coordinator: Arifa Akhter Nitol Email: arifa.nitol@utoronto.ca

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

1. 0.5 credit as follows:
AFSA01H3/HISA08H3 Africa in the World: An Introduction

2. 1.5 credits from the following (students should check course descriptions for prerequisites):
AFSA03H3/IDSA02H3 Experiencing Development in Africa
AFSB01H3/HISB52H3 African Religious Traditions Through History
AFSB05H3/ANTB05H3 Culture and Society in Africa
AFSB50H3/HISB50H3 Africa in the Era of the Slave Trade
AFSB51H3/HISB51H3 Africa from the Colonial Conquests to Independence
AFSB54H3/HISB54H3 Africa in the Postcolonial Era
AFSC03H3/IDSC03H3 Contemporary Africa: State, Society, and Politics
AFSC52H3/HISC52H3/VPHC52H3 Ethiopia: Seeing History
AFSC53H3/WSTC10H3 Gender and Critical Development
AFSC55H3/HISC55H3 War and Society in Modern Africa
AFSC70H3/HISC70H3 The Caribbean Diaspora
AFSC97H3/HISC97H3 Women and Power in Africa
AFSD07H3/IDSD07H3 Extractive Industries in Africa
AFSD20H3/IDSD20H3 Thinking Conflict, Security, and Development
AFSD51H3/HISD51H3 Southern Africa: Colonial Rule, Apartheid and Liberation
AFSD52H3/HISD52H3 East African Societies in Transition
AFSD53H3/GASD53H3/HISD53H3 Africa and Asia in the First World War
GGRD09H3 Feminist Geographies
IDSD06H3 Feminist and Postcolonial Perspectives in Development Studies

3. 2.0 credits from the following list (students should check course descriptions for prerequisites):

Note: Though not required, students are encouraged to specialize in one of the areas of concentration below.

Africa the Continent
AFSA03H3/IDSA02H3 Experiencing Development in Africa (if not used in Requirement 2)
AFSB05H3/ANTB05H3 Culture and Society in Africa (if not used in Requirement 2)
AFSB50H3/HISB50H3 Africa in the Era of the Slave Trade (if not used in Requirement 2)
AFSB51H3/HISB51H3 Africa from the Colonial Conquests to Independence (if not used in Requirement 2)
AFSB54H3/HISB54H3 Africa in the Postcolonial Era (if not used in Requirement 2)
AFSC03H3/IDSC03H3 Contemporary Africa: State, Society, and Politics (if not used in Requirement 2)
AFSC52H3/HISC52H3/VPHC52H3 Ethiopia: Seeing History (if not used in Requirement 2)
AFSC53H3/WSTC10H3 Gender and Critical Development (if not used in Requirement 2)
AFSC55H3/HISC55H3 War and Society in Modern Africa (if not used in Requirement 2)
AFSC97H3/HISC97H3 Women and Power in Africa (if not used in Requirement 2)
AFSD07H3/IDSD07H3 Extractive Industries in Africa (if not used in Requirement 2)
AFSD51H3/HISD51H3 Southern Africa: Colonial Rule, Apartheid and Liberation (if not used in Requirement 2)
AFSD52H3/HISD52H3 East African Societies in Transition (if not used in Requirement 2)
AFSD53H3/GASD53H3/HISD53H3 Africa and Asia in the First World War (if not used in Requirement 2)
(ANTC06H3) African Cultures and Societies II: Case Studies
ENGB22H3 Contemporary Literature from Africa
ENGD08H3 Topics in African Literature
GGRC25H3 Land Reform and Development
HISD50H3 Southern Africa: Conquest and Resistance, 1652-1900
POLC80H3 International Relations of Africa
VPHB50H3 Africa through the Photographic Lens
(VPHB65H3) Exhibiting Africa: Spectacle and the Politics of Representation
Note: We that students interests in courses from the above customer expanded their language skills in Swahili

The Black Diaspora
AFSC70H3/HISC70H3 The Caribbean Diaspora (if not used in Requirement 2)
ENGB17H3 Contemporary Literature from the Caribbean

ENGC14H3 Black Canadian Literature
ENGD13H3 Rap Poetics
(ENGD61H3) James Baldwin, the African American Experience, and the Liberal Imagination
FREB28H3 The Francophone World
FREB35H3 Francophone Literature
FREC47H3 Pidgin and Creole Languages
FREC83H3 Cultural Identities and Stereotypes in the French-Speaking World
HISB02H3 The British Empire: A Short History
HISC08H3 Colonialism on Film
HISC09H3 Pirates of the Caribbean
HISC34H3 Race, Segregation, Protest: South Africa and the United States
HISC39H3 Hellhound on My Trail: Living the Blues in the Mississippi Delta, 1890-1945
HISC68H3 Constructing the Other: Orientalism through Time and Place
HISD70H3 History of Empire and Foods
IDSC19H3/AFSC19H3 Community-driven Development: Cooperatives, Social Enterprises and the Black Social Economy
IDSD16H3/AFSD16H3 Africana Political Economy in Comparative Perspective
POLC31H3 Contemporary Africana Social and Political Philosophy
POLD74H3 The Black Radical Tradition

North Africa and the Middle East
CLAC05H3/HISC10H3 Beyond Cleopatra: Decolonial Approaches to Ancient Egypt
ENGC51H3 Contemporary Arab Women Writers
HISC96H3 Language and Society in the Arab World
HISD57H3 Conflict in the Horn of Africa, 13th through 21st Centuries
HISD63H3 The Crusades: I
HISD64H3 The Crusades: II
(LGGA40H3) Introductory Modern Standard Arabic I
(LGGA41H3) Introductory Modern Standard Arabic II
(LGGB42H3) Intermediate Modern Standard Arabic I
(LGGB43H3) Intermediate Modern Standard Arabic II
(LGGB45H3) Modern Standard Arabic I for Students with Prior Background
POLC96H3 State Formation and Authoritarianism in the Middle East
POLC97H3 Protest Politics in the Middle East
SOCC29H3 Family and Gender in the Middle East
WSTC13H3 Women, Gender and Islam

Africa and Toronto
CITC01H3 Urban Communities and Neighbourhoods Case Study: East Scarborough
FREC10H3 Community-Based Learning in the Francophone Community
GGRC33H3 The Toronto Region
HISC45H3 Immigrants and Race Relations in Canadian History
SOCD21H3 Immigrant Scarborough
WSTB06H3 Women in Diaspora

Note: Not all courses in Requirement #2 and #3 are offered every year.

Calendar Section: **African Studies**

MINOR PROGRAM IN AGING AND SOCIETY (ARTS) - SCMINAGS

The Minor in Aging and Society provides an interdisciplinary exploration of the aging process and individuals across the life course. This includes the study of social, mental, and physical changes in people as they age, the investigation of changes in society resulting from our aging population, and the application of this knowledge to policies and programs. This interdisciplinary Minor program is open to all undergraduate students regardless of major or disciplinary backgrounds.

Students who choose to combine this Minor with a Major in Health Policy (BA) or Population Health Sciences (BSc) must take care to ensure that no more than 2.0 credits are used to satisfy the requirements of both this Minor and their Major. Additional course guidance for these students is provided below.

Note: Relevant aging-related courses selected from other academic units and disciplines not listed below, may be approved for the Minor in Aging and Society on a case-by-case basis. Please contact DHS Undergraduate Advising to request approval for such courses prior to registering in them.

Program Requirements
This program requires the completion of 4.5 credits, as follows:

1. 1.5 credits in Foundations as follows:
HLTA02H3 Exploring Health and Society: Theories, Perspectives, and Patterns
HLTA03H3 Navigating Health and Society: Research, Practice, and Policy

and one of the following:

HLTA20H3 Physiology Through the Life Course: From Birth Through Death*
HLTB15H3 Health Research Methodology

2. 1.5 credits in Core Concepts as follows:
HLTB24H3 Aging with Agility
HLTB40H3 Health Policy and Health Systems

and one of the following:

HLTB22H3 Biological Determinants of Health*
HLTB41H3 Social Determinants of Health

3. 1.5 credits in Aging and Society in Practice as follows:
HLTC22H3 Health, Aging, and the Life Cycle

and two of the following:

HLTC19H3 Chronic Diseases*
HLTC42H3 Emerging Health Issues and Policy Needs*
HLTC43H3 Politics of Canadian Health Policy*
HLTC44H3 Comparative Health Policy Systems*
HLTC53H3 Creative Research Practices in Aging*
HLTC81H3 Health Professions and Practice*
HLTD26H3 Embodiment Across the Life Course*

* Students who choose to combine the Minor in Aging and Society with either the Major/Major Co-op in Health Studies - Health Policy or the Major/Major Co-op in Health Studies - Population Health are cautioned that, in accordance with degree regulations, they must ensure that the combination of programs used to meet the degree requirement include a minimum of 12.0 distinct credits.

In particular:

Students who combine the Minor with the Major/Major Co-op in Health Studies - Health Policy:

- Must complete one of HLTA20H3 or HLTB22H3.
- May apply the following to the completion of either the Major OR the Minor, but not both: HLTC19H3, HLTC42H3, HLTC43H3, HLTC44H3, HLTC53H3, HLTC81H3, and/or HLTD26H3.

Students who combine the Minor with the Major/Major Co-op in Health Studies - Population Health may apply the following courses to the completion of either the Major OR the Minor, but not both: HLTC19H3, HLTC81H3, and/or HLTD26H3.

Calendar Section: Health Studies

MINOR PROGRAM IN ANTHROPOLOGY (ARTS) - SCMIN1775

The Minor Program in Anthropology provides a course structure for students majoring or specializing in other disciplines who want some directed exposure to anthropological thought.

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

1. 1.0 credits as follows:
ANTA01H3 Introduction to Anthropology: Becoming Human
ANTA02H3 Introduction to Anthropology: Society, Culture and Language

2. At least 1.0 credit from among the following:
ANTB14H3 Evolutionary Anthropology
ANTB15H3 Contemporary Human Evolution and Variation
ANTB19H3 Ethnography and the Comparative Study of Human Societies
ANTB20H3 Ethnography of the Global Contemporary
ANTB80H3 Introduction to Archaeology: Methods, Theories, and Practices

3. 2.0 additional credits in Anthropology, of which 1.0 credit must be at the C- or D-level.

Calendar Section: **Anthropology**

MINOR PROGRAM IN APPLIED CLIMATOLOGY - SCMIN1078

The Minor in Applied Climatology is designed to provide students with a unique educational experience that combines the fundamental understanding of climate change science, associated atmospheric processes and their impacts. The program will prepare students to observe and analyze past and present weather and climate change in the context of Applied Climatology. It will consider the relationship between changing climate conditions and countless climate/weather-sensitive industries through the lens of applied science to find solutions to the ongoing and future challenges faced by various sectors.

As an area of study, climate change intersects with a wide range of disciplines, including computer science, mathematics, statistics, international development studies (science), geography, environmental science, biology, and health studies. This Minor is intended for students with an interest in climate change and preparing for a career that will demand a basic understanding of the physical and dynamical processes associated with climatic events and their impacts.

Students must complete a total of 4.5 credits as follows:

1. First Year (1.5 Credits)
EESA09H3 Wind
MATA30H3 Calculus I for Physical Sciences
PHYA10H3 Physics I for the Physical Sciences

2. Second/Third Year (1.5 Credits)
EESB03H3 Principles of Climatology
STAB22H3 Statistics I or equivalent
and
0.5 credit from the following:
EESB15H3 Earth History
EESB18H3 Natural Hazards

3. Third/Fourth Year (1.5 Credits)
EESD06H3 Climate Change Impact Assessment
EESD31H3 Applied Climatology
and
0.5 credit from the following:
EESC03H3 Geographic Information Systems and Remote Sensing
EESC13H3 Environmental Impact Assessment and Auditing
EESC19H3 Oceanography
EESC25H3 Urban Climatology
ESTD19H3 Risk
EESD28H3 Fundamentals of Environmental Modelling

Calendar Section: **Environmental Science**

MINOR PROGRAM IN APPLIED STATISTICS (SCIENCE) - SCMIN2295

Supervisor of Studies: K. Butler Email: ken.butler@utoronto.ca

The Minor in Applied Statistics may be combined with the Minor in Computer Science; however, it cannot be combined with any Specialist/Specialist Co-op, Major/Major Co-op or other Minor programs in Computer Science, Mathematics or Statistics.

Program Requirements
This program requires a total of 4.0 credits as follows:

1. 0.5 credit from the following:
CSCA08H3 Introduction to Computer Science I
CSCA20H3 Introduction to Programming
CSC120H1 Computer Science for the Sciences
CSC121H1 Computer Science for Statistics

2. 0.5 credit from the following:
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences
MGEB11H3 Quantitative Methods in Economics I
PSYB07H3 Data Analysis in Psychology
STA220H1 The Practice of Statistics I

3. 0.5 credit from the following:
STAB27H3 Statistics II
MGEB12H3 Quantitative Methods in Economics II
PSYC08H3 Advanced Data Analysis in Psychology
STA221H1 The Practice of Statistics II

4. 1.5 credits as follows:
STAC32H3 Applications of Statistical Methods
STAC53H3 Applied Data Collection
STAD29H3 Statistics for Life and Social Scientists

5. 1.0 credit from the following:
[one of the following: any ACT, CSC, MAT, STA course]
[one of the following: MGEA02H3, MGEA06H3, MGEB02H3, MGEB06H3, MGEC11H3, MGED11H3, MGED70H3]
GGRB02H3 The Logic of Geographical Thought
HLTB15H3 Introduction to Health Research Methodology
[one of the following: MGFB10H3, MGFC30H3, MGOC10H3, MGMC01H3, MGMD01H3]
POLC11H3 Applied Statistics for Politics and Public Policy

Calendar Section: **Statistics**

MINOR PROGRAM IN ART HISTORY AND VISUAL CULTURE (ARTS) - SCMIN0616

Undergraduate Advisor Email: art-history-program-supervisor@utsc.utoronto.ca

Program Requirements
This program requires the completion of 4.0 credits in Art History and Visual Culture (VPH) as follows:

1. Courses at the A-level (0.5 credit):
VPHA46H3 Ways of Seeing: Introduction to Art Histories

2. Courses at the B-level (2.0 credits):
VPHB39H3 Ten Key Words in Art History: Unpacking Methodology
and
Additional 1.5 credits at the B-level in VPH courses

3. Courses at the C- and or D-level (1.5 credits):
1.5 credits at the C- or D-level in VPH courses

Calendar Section: [Art History and Visual Culture](#)

MINOR PROGRAM IN ASTRONOMY AND ASTROPHYSICS (SCIENCE) - SCMIN1423

Supervisor: D. Weaver (416-287-7248) Email: dan.weaver@utoronto.ca

Program Requirements
Students must complete 5.0 credits as follows:
[PHYA10H3](#) Physics I for the Physical Sciences
[PHYA21H3](#) Physics II for the Physical Sciences
[MATA23H3](#) Linear Algebra I
[MATA30H3](#) Calculus I for Physical Sciences
[[MATA36H3](#) Calculus II for Physical Sciences *or* [MATA37H3](#) Calculus II for Mathematical Sciences]
[ASTB23H3](#) Astrophysics of Stars, Galaxies and the Universe
[ASTC25H3](#) Astrophysics of Planetary Systems
[MATB41H3](#) Techniques of the Calculus of Several Variables I
[MATB42H3](#) Techniques of the Calculus of Several Variables II
any other AST C- or D-level course

Calendar Section: [Astronomy](#)

MINOR PROGRAM IN BIOLOGY (SCIENCE) - SCMIN1030A

Supervisor Email: biology-minor@utsc.utoronto.ca

Enrolment in the Minor in Biology is unlimited. The Minor in Biology cannot be combined with any Major or Specialist programs offered by the Department of Biological Sciences.

Program Requirements
Students are required to complete a total of 4.0 credits.

1. 1.0 credit of Introductory Biology courses:
[BIOA01H3](#) Life on Earth: Unifying Principles
[BIOA02H3](#) Life on Earth: Form, Function and Interactions

2. 3.0 credits in Biology*, of which at least 1.0 credit must be at the C- or D-level.
**[NROC34H3](#) may be used toward fulfilling this requirement.
**[BIOA11H3](#) may not be used towards fulfilling this requirement.

Calendar Section: [Biological Sciences](#)

MINOR PROGRAM IN BIOMEDICAL ETHICS (ARTS) - SCMIN0241

Program Requirements

This program requires students to complete a total of 4.0 credits:

1. 0.5 credit:
[PHLB09H3](#) Biomedical Ethics

2. 1.0 credit in Biomedical Ethics (select from the following courses):
[PHLC07H3](#) Death and Dying

PHLC10H3 Topics in Bioethics
PHLD09H3 Advanced Seminar in Bioethics

3. 0.5 credit in Value Theory (select from the following courses):
PHLA11H3 Introduction to Ethics
PHLB02H3 Environmental Ethics
PHLB05H3 Social Issues
PHLB06H3 Business Ethics
PHLB07H3 Ethics
PHLB11H3 Philosophy of Law
PHLB17H3 Introduction to Political Philosophy
PHLC05H3 Ethical Theory
PHLC06H3 Topics in Ethical Theory
PHLC92H3 Political Philosophy
PHLC93H3 Topics in Political Philosophy
PHLD05H3 Advanced Seminar in Ethics
PHLD78H3 Advanced Seminar in Political Philosophy

4. 2.0 additional credits in Philosophy courses*:
*HLTA02H3 and MATC09H3 can be counted for the purpose of fulfilling this general philosophy credit requirement.

Note: The Minor program in Biomedical Ethics cannot be combined with the Minor program in Philosophy; however, students may combine the Minor program in Biomedical Ethics with either the Major or Specialist programs in Philosophy.

Calendar Section: **Philosophy**

MINOR PROGRAM IN CITY STUDIES (ARTS) - SCMIN1810

Students taking the Minor Program in City Studies should consider selecting most of their Applications program requirements from one area of focus: City Building, Community Development, or City Governance.

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

1. Foundations (1.0 credit):
CITA01H3/(CITB02H3) Foundations of City Studies
CITA02H3 Studying Cities

2. Core Courses (1.5 credits from the following):
GGRB05H3 Urban Geography
CITB01H3 Canadian Cities and Planning
CITB03H3 Social Planning and Community Development
CITB04H3 City Politics
CITB08H3 Economy of Cities

3. Applications (1.5 credits at the C- or D-level, from the following):
CITC01H3 Urban Communities and Neighbourhoods Case Study: East Scarborough
CITC03H3 Housing Policy and Planning
CITC04H3 Current Municipal and Planning Policy and Practice in Toronto
CITC07H3 Urban Social Policy
CITC08H3 Cities and Community Development
CITC10H3 Selected Issues in City Studies
CITC12H3 City Structures, Problems, and Decisions: Field Research in Urban Policy Making
CITC14H3 Environmental Planning
CITC15H3 Money Matters: How Municipal Finance Shapes the City
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
CITD12H3 Planning and Building Public Spaces in Toronto
GGRC10H3 Urbanization and Development
GGRC11H3 Current Topics in Urban Geography

GGRC12H3 Transportation Geography
GGRC13H3 Urban Political Geography
GGRC27H3 Location and Spatial Development
GGRC33H3 The Toronto Region
GGRC40H3 Megacities and Global Urbanization
GGRC43H3 Social Geographies of Street Food
GGRC48H3 Geographies of Urban Poverty
GGRC50H3 Geographies of Education
GGRD14H3 Social Justice and the City

Calendar Section: City Studies

MINOR PROGRAM IN CLASSICAL STUDIES (ARTS) - SCMIN2049

Undergraduate Advisor: 416-208-2923 Email: classics-undergrad-advisor@utsc.utoronto.ca

Program Requirements
Students must complete 4.0 credits, as follows:

1. Introduction
CLAA04H3/HISA07H3 The Ancient Mediterranean World
Note: Students who have completed both (CLAA02H3) and (CLAA03H3) may substitute one of the courses for CLAA04H3.

2. History and Culture
CLAB05H3/HISB10H3 History and Culture of the Greek World
CLAB06H3/HISB11H3 History and Culture of the Roman World

3. Mythology and Religion
CLAA06H3 Ancient Mythology II: Greece and Rome
Note: Students who were enrolled at UTSC prior to the 2009 Summer Session may substitute one of (CLAA02H3) or (CLAA03H3) for CLAA06H3.

4. Literature (0.5 credit from the following courses)
CLAC11H3 Classical Literature I: Poetry
CLAC12H3 Classical Literature II: Prose

5. Electives (1.5 credits from the following courses, including at least 1.0 credit at the C or D-level; before choosing their electives, students need to take at least 1.0 credit at the A-level, 1.0 credit at the B-level, and 0.5 credit at the C-level):
Classical Studies
CLAA05H3 Ancient Mythology I: Mesopotamia and Egypt
(CLAB10H3) Greek and Latin for Scientists
CLAB09H3/HISB09H3 Between Two Empires: The World of Late Antiquity
CLAB20H3/HISB12H3 The Ancient World in Film
CLAC01H3 Selected Topics in Classical Literature
CLAC02H3 Selected Topics in Classical Civilization
CLAC05H3/HISC10H3 Beyond Cleopatra: Decolonial Approaches to Ancient Egypt
CLAC11H3 Classical Literature I: Poetry if not taken as a required course
CLAC12H3 Classical Literature II: Prose if not taken as a required course
CLAC22H3 Religions of the Ancient Mediterranean
CLAC24H3/HISC11H3 Race and Ethnicity in the Ancient Mediterranean and West Asian Worlds
CLAC26H3/HISC16H3 Indigeneity and the Classics
CLAC67H3/HISC67H3 Early Islam: Perspectives on the Construction of a Historical Tradition
CLAC68H3/HISC68H3/ANTC58H3 Constructing the Other: Orientalism through Time and Place
CLAC94H3/HISC94H3 The Bible and the Qur'an
CLAD05H3/HISD10H3 Dripping Histories: Water in the Ancient Mediterranean and West Asian Worlds
CLAD69H3/HISD69H3 Sufis and Desert Fathers: Mysticism in Late Antiquity and Early Islam

Art History
(VPHB41H3) The Human Figure in Greek Art (8th-4th cent. B.C.)
(VPHB52H3) Ancient Art and Architecture (ca 900 B.C.-300 A.D.)

(VPHB76H3) Religion in the Arts: The Judeo-Christian Traditions
(VPHC46H3) Topics in Art of the Ancient World
VPHC53H3 The Silk Routes

English
ENGB30H3 Classical Myth and Literature
ENGC16H3 The Bible and Literature I
ENGC17H3 The Bible and Literature II
ENGC26H3 Drama: Tragedy
ENGC27H3 Drama: Comedy

Languages
(LGGA50H3) Introductory Latin I
(LGGA51H3) Introductory Latin II
(LGGA54H3) Introductory Sanskrit I
(LGGA55H3) Introductory Sanskrit II
(LGGB54H3) Intermediate Sanskrit I
(LGGB55H3) Intermediate Sanskrit II

Philosophy
PHLB16H3 Political Philosophy: Ancient Greece and the Middle Ages
PHLB31H3 Introduction to Ancient Philosophy
PHLC32H3 Topics in Ancient Philosophy: Aristotle

Religion
(RLGB01H3) The "Holy Book" in Judaism, Christianity and Islam
(RLGC01H3) The Five Books of Moses
(RLGC02H3) The Gospels
(RLGC03H3) Paul and the Invention of Christianity
(RLGC04H3) Hindu Epic
RLGC05H3 The Qu'ran in Interpretive and Historical Context

Anthropology
(ANTB04H3) Artifacts and Prehistory
(ANTB12H3) Introduction to World Prehistory: The Rise of Civilization

Calendar Section: **Classical Studies**

MINOR PROGRAM IN COMPUTER SCIENCE (SCIENCE) - SCMIN1688

Supervisor of Studies: R. Pancer (416-287-7679) Email: pancer@utsc.utoronto.ca

Program Objectives
This program provides a basic introduction to the tools and methodologies of computer science and equips students with the knowledge necessary to use the tools and methodologies as they relate to other subjects. The program is intended to complement programs in other disciplines.

Enrolment Requirements

Enrolment in the Minor in Computer Science is limited.

Students may apply to enter the program after completing 4.0 credits, and must have passed the following CSC and MAT courses: CSCA08H3, CSCA48H3, and [one of: CSCA67H3, MATA67H3, MATA22H3, MATA23H3, MATA30H3, MATA31H3, or [(MATA32H3) or MATA34H3]]. Admission will be based on academic performance in these A-level courses. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Students in the Minor may take a maximum of 3 CSC elective courses (1.5 credits) at the C-level and D-level.

Program Requirements
This program may not be combined with any Major or Specialist Program in Computer Science, Mathematics or Statistics. It requires 4.0 credits as follows:

1. Introductory programming courses, 1.0 credit as follows:
CSCA08H3 Introduction to Computer Science I*
CSCA48H3 Introduction to Computer Science II
***Note**: CSCA20H3 may be substituted for CSCA08H3 with permission of the Supervisor of Studies.

2. Basic mathematics courses, 0.5 credit from the following:
CSCA67H3/MATA67H3 Discrete Mathematics
MATA22H3 Linear Algebra I for Mathematical Sciences
MATA23H3 Linear Algebra I
MATA30H3 Calculus I for Physical Sciences
MATA31H3 Calculus I for Mathematical Sciences
MATA34H3 Calculus for Management

3. Intermediate programming, systems, and theory courses, 1.5 credits from the following:
CSCB07H3 Software Design
CSCB09H3 Software Tools and Systems Programming
CSCB20H3 Introduction to Databases and Web Applications
CSCB36H3 Introduction to the Theory of Computation**
CSCB58H3 Computer Organization
CSCB63H3 Design and Analysis of Data Structures***
****Note**: CSCB36H3 requires CSCA67H3
*****Note**: CSCB63H3 requires CSCB36H3

4. CSC electives, 1.0 credit as follows:
Any C- or D-level CSC courses*
***Note**: Some C- or D-level courses have prerequisites that would have to be taken *in addition* to the 4 credits required for this program. Check the prerequisites carefully before selecting courses to satisfy this requirement.

Calendar Section: Computer Science

MINOR PROGRAM IN CREATIVE WRITING (ARTS) - SCMIN1620

For more information, contact eng-ugc.utsc@utoronto.ca

Program email: creative-writing@utsc.utoronto.ca

Enrolment Requirements:

Enrolment is limited and admission is by portfolio. Students will be able to apply to the program after they have completed a minimum of 4.0 credits, including ENGA03H3.

Applicants must submit a portfolio of 15-20 pages representing their best writing in poetry, fiction (either short stories or selections from a longer work), and/or creative non-fiction; portfolios may include work completed prior to admission to UTSC. The portfolio must be accompanied by a brief letter of application (1–2 pages) addressed to the Program Advisor in Creative Writing. The letter should discuss the applicant's experience as a writer, their future goals in the creative writing program, and a work of literature that has inspired them.

Portfolios should be submitted to creative-writing@utsc.utoronto.ca by the application deadlines for limited enrolment programs – normally March/April for students applying at the end of the Winter session and June/July for students applying at the end of the Summer session. Students should visit the Office of the Registrar website for exact dates.

Students who are not successful in their first attempt at applying for the program, will be eligible to apply again. By the deadlines outlined above, these students must submit a new portfolio of 15-20 pages representing their best writing in poetry, fiction (either short stories or selections from a longer work), and/or creative non-fiction. The portfolio must be accompanied by a brief letter of application (1–2 pages) addressed to the Program Advisor in Creative Writing. The letter should discuss the applicant's experience as a writer, their future goals in the creative writing program, and a work of literature that has inspired them.

Program Requirements:

Students must complete 4.0 credits as follows. A maximum of 1.0 credit in creative writing courses may be taken at another campus.

1. 1.0 credit as follows:
ENGA03H3 Introduction to Creative Writing
[ENGB60H3 Creative Writing: Poetry I *or* ENGB61H3 Creative Writing: Fiction I]

2. 3.0 credits to be selected from the following:
ENGB60H3 Creative Writing: Poetry I (if not already counted as a required course)
ENGB61H3 Creative Writing: Fiction I (if not already counted as a required course)
ENGB63H3 Creative Writing: Creative Nonfiction I
ENGC04H3 Creative Writing: Screenwriting
ENGC05H3 Creative Writing: Poetry, Experimentation, and Activism
ENGC06H3 Creative Writing: Writing for Comics
ENGC08H3 Special Topics in Creative Writing I
ENGC24H3 Creative Writing: The Art of the Personal Essay
ENGC86H3 Creative Writing: Poetry II
ENGC87H3 Creative Writing: Fiction II
ENGC88H3 Creative Writing: Creative Nonfiction II
ENGC89H3 Creative Writing and Performance
ENGD22H3 Special Topics in Creative Writing II
ENGD26Y3 Independent Studies in Creative Writing: Poetry
ENGD27Y3 Independent Studies in Creative Writing: Prose
ENGD28Y3 Independent Studies in Creative Writing: Open Genre
ENGD95H3 Creative Writing as a Profession

Calendar Section: English

MINOR PROGRAM IN CRITICAL MIGRATION STUDIES (ARTS) - SCMIN1017

The Minor program in Critical Migration Studies offers students an understanding of the causes and consequences of international migration in sending, transit and receiving societies. Issues of race and ethnicity are highlighted along with the role of class, gender, sexuality, and citizenship in understanding how societies decide to include, exclude, and regulate different groups of migrants. The Minor is interdisciplinary in content and method. Through data-driven coursework and experiential learning, students will develop a suite of transferable skills in research design, quantitative and qualitative data analysis, written, oral, and digital communication.

Program Restrictions
Students in the Minor Program in Critical Migration Studies may count only 1.0 credit in Sociology courses towards completion of the program from the following list: [SOCA05H3, or [(SOCA01H3) and (SOCA02H3)] or (SOCA03Y3)], and SOCB05H3.

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

1. 1.0 credit from the following:
ANTA02H3 Introduction to Anthropology: Society, Culture and Language
GASA01H3/HISA06H3 Introducing Global Asia and its Histories
GASA02H3 Introduction to Global Asia Studies
GGRA02H3 The Geography of Global Processes
HISA04H3 Themes in World History I
HISA05H3 Themes in World History II
HLTA02H3 Foundations in Health Studies I
HLTA03H3 Foundations in Health Studies II
POLA01H3 Critical Issues in Politics I
POLA02H3 Critical Issues in Politics II
SOCA05H3 The Sociological Imagination
(SOCA01H3) Introduction to Sociology I
(SOCA02H3) Introduction to Sociology II
(SOCA03Y3) Introduction to Sociology

2. [SOCB60H3](#) Issues in Critical Migration Studies

3. 0.5 credit from the following:
[ANTB19H3](#) Ethnography and the Comparative Study of Human Societies
[ANTB20H3](#) Ethnography and the Global Contemporary
[GGRB02H3](#) The Logic of Geographical Thought
[HISB03H3](#) Critical Writing and Research for Historians
[HLTB15H3](#) Introduction to Health Research Methodology
[SOCB05H3](#) Logic of Social Inquiry

4. 0.5 credit from the following:
[ANTB16H3](#) Canadian Cultural Identities
[GASB53H3](#) Mughals and the World, 1500-1858 AD
[GASB74H3](#)/[HISB74H3](#) Asian Foods and Global Cities
[GGRA35H3](#) The Great Scarborough Mashup: People, Place, Community, Experience
[SOCB53H3](#) Race and Ethnicity

5. 1.0 credit from the following:
[ANTC34H3](#) The Anthropology of Transnationalism
[CITC01H3](#) Urban Communities and Neighbourhoods Case Study: East Scarborough
[GASC59H3](#) The Making of Tamil Worlds
[GASD01H3](#)/[HISD09H3](#) Senior Seminar: Topics in Global Asian Migrations
[GASD56H3](#) 'Coolies' and Others: Asian Labouring Diasporas in the British Empire
(GGRC56H3) Spaces of Travel: Unsettling Migration, Tourism, and Everyday Mobilities
(GGRD19H3) Spaces of Multiraciality: Critical Mixed Race Theory
[HISB14H3](#) Edible History: History of Global Foodways
[HISC11H3](#) Multiculturalism and Cultural Identities in the Greek and Roman Worlds
[HISC36H3](#) People in Motion: Immigrants and Migrants in U.S History
[HISD31H3](#) Thinking of Diversity: Perspectives on American Pluralisms
[HISD35H3](#) The Politics of American Immigration, 1865-present
[HLTD06H3](#) Auto-Ethnographic Studies of Migration, Health and the State
[POLD52H3](#) Immigration and Canadian Political Development
[SOCC25H3](#) Ethnicity, Race and Migration
[SOCC34H3](#) Migrations and Transnationalisms
[SOCC52H3](#) Immigration, Citizenship & Settler Colonialism
[SOCC55H3](#) Special Topics in Race and Ethnicity

6. 0.5 credit from the following:
[SOCD15H3](#) Advanced Seminar in Critical Migration Studies
[SOCD21H3](#) Immigrant Scarborough

Calendar Section: [Sociology](#)

MINOR PROGRAM IN CULTURE, CREATIVITY, AND CITIES (ARTS) - SCMIN1015

The Minor Program in Culture, Creativity and Cities offers students an in-depth understanding of the relationship between culture and cities. The Minor is interdisciplinary in content and method. Through experiential learning, students will develop a suite of transferable skills in written, oral, and digital communication.

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

1. 0.5 credit from the following:
[ANTA02H3](#) Introduction to Anthropology: Society, Culture and Language
[CITA01H3](#)/(CITB02H3) Foundations of City Studies
[GGRA02H3](#) The Geography of Global Processes
[MDSA01H3](#) Introduction to Media Studies
[MDSA02H3](#) History of Media
[MGTA01H3](#) Introduction to Business
[MGTA02H3](#) Managing the Business Organization

SOCA05H3 The Sociological Imagination
(SOCA01H3) Introduction to Sociology I
(SOCA02H3) Introduction to Sociology II
(SOCA03Y3) Introduction to Sociology
VPAA10H3 Introduction to Arts and Media Management

2. SOCB58H3 Sociology of Culture

3. 1.0 credit from the following:
ACMB10H3 Equity and Diversity in the Arts
ENGB37H3 Popular Literature and Mass Culture
GGRB05H3 Urban Geography
GGRB55H3 Cultural Geography
MDSB03H3 Advertising and Consumer Culture
MDSB25H3 Political Economy of Media
SOCB37H3 Economy, Culture, and Society
SOCB44H3 Sociology of Cities and Urban Life

4. SOCC26H3 Sociology of Urban Cultural Policies

5. 1.0 credit from the following:
ENGC59H3 Literature and the Environment
FLMC83H3 World Cinema
GGRC13H3 Urban Political Geography
SOCC27H3 Sociology of Suburbs and Suburbanization
SOCC44H3 Media and Society
SOCC47H3 Creative Industries
SOCD12H3 Sociology of Art
SOCD52H3 Sociology of Books
VPAC15H3 Cultural Policy

6. 0.5 credit from the following:
SOCD01H3 Advanced Seminar in Culture and Cities
SOCD51H3 Capstone Seminar in Culture, Creativity, and Cities

Calendar Section: Sociology

MINOR PROGRAM IN ECONOMICS FOR MANAGEMENT STUDIES (ARTS) - SCMIN0133

Academic Director: Jack Parkinson Email: ecoss@utsc.utoronto.ca

This program is designed to give exposure to the subject matter in some areas of Economics to students who combine the Minor with other programs in order to graduate (see the Degrees section of this *Calendar* for information). Students need not have completed Grade 12 Calculus in order to enter this program.

Enrolment in this Program is unlimited and does not require training in Calculus. However, students are cautioned that they are not guaranteed admission to most of the B-level, C-level, and D-level courses. Students in the Minor will be accommodated only after students in the Specialist and Major programs have been admitted to these courses; therefore, many courses may be unavailable. Students will note that some of the B- and C-level courses in Economics for Management Studies do require Calculus; therefore, students in the Minor Program must choose their courses carefully to ensure that they have the necessary prerequisites.

Program Requirements
The program consists of 4.0 credits in Economics for Management Studies as follows:

MGEA01H3 *or* MGEA02H3
MGEA05H3 *or* MGEA06H3
MGEB01H3 *or* MGEB02H3
MGEB05H3 *or* MGEB06H3
and
2.0 credits in Economics for Management Studies including 1.0 credit at the C-level.

Note: Students are warned that they are not guaranteed admission to most of the B-level and C-level courses. The following C-level courses, MGEC91H3, MGEC92H3 & MGEC93H3, are available to students in the minor program at the beginning of the registration period.

Note: Students may if they wish, count STAB22H3, ANTC35H3, PSYB07H3 or (SOCB06H3) or a more advanced statistics course as one half credit B-level Economics course in the Minor Program in Economics for Management Studies. While it is not required, students are strongly encouraged to include a statistics course in the program.

Calendar Section: Economics for Management Studies

MINOR PROGRAM IN ENGLISH (ARTS) - SCMIN0226

For more information, contact eng-ugc.utsc@utoronto.ca

Program Requirements
4.0 credits in ENG or FLM courses are required. They should be selected as follows:

1. All of the following:
ENGA01H3 What is Literature?
ENGA02H3 Critical Writing About Literature

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

Students may count no more than 1.0 credit of D-level independent study [ENGD26Y3, ENGD27Y3, ENGD28Y3, (ENGD97H3), ENGD98Y3, (ENGD99H3)] towards an English program.
The following courses do not count towards any English programs: ENG100H, ENG185Y.

Calendar Section: English

MINOR PROGRAM IN ENGLISH AND CHINESE TRANSLATION (ARTS) - SCMIN0180

This program is designed for students, fluent in both English and Chinese, who are interested in English and Chinese translation. It will equip students with the fundamental theoretical knowledge and practical skills required in this profession.

P**rogram Requirements**
Students are required to complete a total of 4.0 credits, of which 1.0 must be at the C-level or higher.

1. 2.0 credits as follows:
[CTLA01H3 Foundations in Effective Academic Communication or LINA01H3 Introduction to Linguistics]
[LINB06H3 Syntax or LINB18H3 English Grammar]
LINB60H3 Comparative Study of English and Chinese
[ECTB58H3 Foundations of Translation *or* ECTB61H3 English and Chinese Translation: Theory and Practice]

2. Additional 2.0 credits in English and Chinese Translation (ECT) courses

Note: LGG*** courses cannot be used to satisfy program requirements

Calendar Section: Languages

MINOR PROGRAM IN ENVIRONMENTAL SCIENCE (SCIENCE) - SCMIN1076

For an updated list of Programs Supervisors, please visit the [Environmental Sciences website](#).

The Minor Program is designed to provide insights into the basic principles of Environmental Science and its application to current environmental issues. It is intended for students with an interest in environmental issues but who do not have the necessary background for specialization in the field. In addition to science students, it is appropriate for students pursuing a degree in the social sciences or in management and economics.

Program Requirements
Total requirements: 4.0 credits

First Year:
EESA01H3 Introduction to Environmental Science
EESA06H3 Introduction to Planet Earth

Second Year:
1.5 credits from the following:
EESB02H3 Principles of Geomorphology
EESB03H3 Principles of Climatology
EESB04H3 Principles of Hydrology
EESB05H3 Principles of Soil Science
EESB15H3 Earth History

Third Year:
[1.5 credits in EES courses of which 1.0 credit must be at the C- or D-level] or [1.0 credit at the C- or D-level in EES courses and PSCD11H3 Communicating Science: Film, Media, Journalism, and Society]

Calendar Section: **Environmental Science**

MINOR PROGRAM IN FILM STUDIES (ARTS) - SCMIN1909

For more information, contact eng-ugc.utsc@utoronto.ca

Program Requirements
4.0 credits in ENG/FLM are required, of which 1.0 must be at the C- or D- level.

1. 1.0 credit as follows:
FLMA70H3/(ENGB70H3) How to Read a Film
FLMB75H3/(ENGB75H3) Cinema and Modernity

2. 0.5 credit as follows:
[ENGA10H3 Literature and Film for our Time: Visions and Revisions
or ENGA11H3 Literature and Film for our Time: Dawn of the Digital]

3. 1.0 credit from [FLM courses or ENGB29H3 or ENGB74H3 or ENGC04H3]

4. 1.5 additional credits from ENG or FLM courses

Note: Film courses selected from other departments and discipline will be approved for the Minor in Film Studies on a case-by-case basis.

Calendar Section: **English**

MINOR PROGRAM IN FOOD STUDIES (ARTS) - SCMIN0580

Undergraduate Advisor: Annie Kostadinova Email: fst.undergrad.advisor.utsc@utoronto.ca

Program Requirements
Students must complete at least 4.0 credits in Food Studies-focused courses*, including the following:

1. FSTB01H3 Methodologies in Food Studies

2. An additional 3.5 credits, of which at least 2.0 credits must be at the C- or D-level; among the D-level courses, at least 0.5 credit must come from courses taught in the Culinaria Kitchen Laboratory*

*See the Food Studies Courses Table for food-studies related courses and courses taught in the Culinaria Kitchen Laboratory.

Calendar Section: Food Studies

MINOR PROGRAM IN FRENCH (ARTS) - SCMIN2156

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

Program Requirements

Students must complete 4.0 credits in total, of which 1.0 must be at the C-level or higher.

1. 2.0 credits from the following:
FREA01H3 Language Practice I
FREA02H3 Language Practice II
FREB01H3 Language Practice III
FREB02H3 Language Practice IV
FREC01H3 Language Practice V
FREC02H3 Language Practice VI
FRED01H3 Language Practice VII: Written French
FRED06H3 Language Practice VIII: Oral French

2. Additional 2.0 credits in French

Notes:
1. At the A-level, only FREA01H3 and FREA02H3 may be counted towards the program completion requirements.
2. Where student's proficiency in French is advanced enough to skip some or all of the courses in requirement 1, substitutions can be made in consultation with the Associate Director of French.

Calendar Section: French

MINOR PROGRAM IN GEOGRAPHIC INFORMATION SCIENCE (GIS) (ARTS) - SCMIN1800

GIS is based on the integration of digital spatial data, mapping software, and spatial analysis tools. GIS has been a core method in Geographical research for almost two decades, but is also rapidly growing in importance outside Geography, in part because of the huge amounts of new spatial data being generated by ubiquitous sensors such as smartphones with GPS locators.

A growing number of research areas and careers require knowledge of GIS and cartographic presentation skills. This minor program provides training in the theory and practical application of Geographic Information Science and systems for spatial analysis, spatial data management, and cartographic representation, and is an excellent option for students pursuing Human Geography, City Studies, Critical Development Studies, Historical and Cultural Studies, Sociology, Political Science,

Anthropology, Environmental Studies and Environmental Science.

Program Requirements
This program requires students to complete 4.0 credits as follows:

1. At least 0.5 credit from the following:
GGRA30H3 Geographic Information Systems (GIS) and Empirical Reasoning
EESC03H3 Geographic Information Systems and Remote Sensing

2. 2.5 credits as follows:
GGRB30H3 Fundamentals of GIS I
GGRB32H3 Fundamentals of GIS II
GGRC30H3 Advanced GIS
GGRC32H3 Essential Spatial Analysis
GGRD30H3 GIS Research Project

3. 1.0 credit from the following:
CSCA20H3 Introduction to Programming
CITC18H3 Transportation Policy Analysis*
EESC03H3 Geographic Information Systems and Remote Sensing (if not used to complete component 1 of the requirements)
GGRC12H3 Transportation Geography
GGRC15H3 Spatial Databases and Applications
GGRC27H3 Location and Spatial Development
GGRC34H3 Crowd-sourced Urban Geographies
GGRC42H3 Making Sense of Data: Applied Multivariate Analysis
CITD01H3 City Issues and Strategies*
GGRD01H3 Supervised Research Project*
GGRD08H3 Research Seminar in Environmental Geography*
GGRD25H3 Research Seminar in Urban Spaces*
GGRD31H3 Independent Research Project*
*Note: Permission to count these courses towards the Minor in Geographic Information Science (GIS) must be received from the Departmental Chair or the Program Advisor, and will be granted in cases where the student's major research project employs GIS research methods.

Calendar Section: **Geography**

MINOR PROGRAM IN GLOBAL ASIA STUDIES (ARTS) - SCMINGAS

Undergraduate Advisor: (416) 287-7184 Email: gas-undergrad-advisor@utsc.utoronto.ca

Program Requirements
Students must complete 4.0 credits.

1. 0.5 credit as follows:
GASA01H3/HISA06H3 Introducing Global Asia and its Histories
or
GASA02H3 Introduction to Global Asia Studies

2. For the remaining 3.5 credits, students have two options:
Complete 3.5 credits in GAS courses, of which at least 1.5 credits must be at the C- or D-level
or
Complete 2.5 credits in GAS courses, of which at least 1.0 credit must be at the C- or D-level, plus 1.0 credit from Asian language courses.

Calendar Section: **Global Asia Studies**

MINOR PROGRAM IN GLOBAL LEADERSHIP - SCMIN0134

Now, more than ever, the world needs principled, inclusive, and empathetic global leaders. The Minor in Global Leadership will develop students' collaborative global leadership skills and capacity to critique what is global leadership and how this concept is understood and challenged in diverse disciplines and contexts. Studying alongside students from all three campuses, with diverse backgrounds, students will critique leadership approaches applied across teams and networks, and prepare for a global workplace post-graduation. Through a combination of online and in-person learning, students partake in small group work, community engagement, and a global-partnered capstone project, and gain formal recognition for global leadership development.

Enrolment in the Minor in Global Leadership is limited. Students will be able to apply to the program after completing 4.0 credits, and must have achieved an average GPA of 2.7 across their best 3.0 credits taken (e.g., 6 half-credit courses, or 4 half-credit and 1 full-credit course).

In addition, students must submit an application as described at the Minor in Global Leadership website, and will need to include an unofficial transcript.

The Minor in Global Leadership will be available for Fall 2023 enrolment. At UTSC, students will be able to request the Minor beginning in the Spring of 2023.

Students must complete a total of 4.0 credits as described below:

1. 2.0 credits in core Global Leadership courses:
In Year 2 of studies: GLB201H5 Global Leadership: Past, Present, Futures
In Year 3 of studies: GLBC01H3 Global Leadership: Theory, Research and Practice
In Year 4 of studies: GLB401Y1 Global Leadership: Capstone Project

2. An additional 2.0 credits in UTSC elective courses selected from the UTSC Elective Course Clusters below, of which 0.5 credit must be from outside the students' Specialist or Major program:
Note: Elective courses are categorized into three groups: Leadership; Global Issues; and Ethics/Equity, Diversity, Inclusion. Students must take at least one course from each of the three groups; where a course falls into more than one group it will count toward both groups.

Leadership
ANTB20H3 Ethnography and the Global Contemporary
HLTD49H3 Global Health Governance: Thinking Alongside the World's Leaders
MGHB02H3 Managing People and Groups in Organizations
MGIB02H3 International Organizational Behaviour
MGSC05H3 The Changing World of Business-Government Relations
MGSC14H3 Management Ethics
POLC65H3 Political Strategy
PPGD64H3 Comparative Public Policy
SOCC04H3 Social Movements

Global Issues
ANTA02H3 Introduction to Anthropology: Society, Culture and Language
ANTB18H3 Development, Inequality and Social Change in Latin America
ANTB20H3 Ethnography and the Global Contemporary
ECTB61H3 English and Chinese Translation: Theory and Practice
ENGB17H3 Contemporary Literature from the Caribbean
ENGB19H3 Contemporary Literature from South Asia
ENGB22H3 Contemporary Literature from Africa
HLTC20H3 Global Disability Studies
HLTC46H3 Globalization, Gender and Health
HLTD06H3 Auto-Ethnographic Studies of Migration, Health and the State
HLTD49H3 Global Health Governance: Thinking Alongside the World's Leaders
LGGC62H3 Cultures in the East and West
LGGC63H3 Canada, China, and Beyond MGHB02H3: Managing People and Groups in Organizations
MGAD40H3 Management Control Systems
MGAD45H3 Strategy & Governance – CPA Perspective
MGEC81H3 Economic Development
MGEC82H3 International Aspects of Development Policy
MGEC93H3 International Economics
MGIB02H3 International Organizational Behaviour
MGID40H3 Introduction to International Business Law
MGID79H3 International Business Capstone Course
MGSC05H3 The Changing World of Business-Government Relations
POLC65H3 Political Strategy

PPGD64H3 Comparative Public Policy
PSYB10H3 Introduction to Social Psychology
SOCB60H3 Issues in Critical Migration Studies
SOCC04H3 Social Movements
SOCD15H3 Advanced Seminar in Critical Migration Studies

Ethics/Equity, Diversity, Inclusion
ANTB18H3 Development, Inequality and Social Change in Latin America
ANTC34H3 Anthropology of Transnationalism
ANTC80H3 Race and Racism: Anthropological Insights
HLTC20H3 Global Disability Studies
HLTC46H3 Globalization, Gender and Health
HLTD06H3 Auto-Ethnographic Studies of Migration, Health and the State
MGHB02H3 Managing People and Groups in Organizations
MGHC23H3 Diversity in the Workplace
MGIB02H3 International Organizational Behaviour
MGSC14H3 Management Ethics
PSYB10H3 Introduction to Social Psychology
PSYC12H3 Psychology of Prejudice
SOCB60H3 Issues in Critical Migration Studies
SOCD15H3 Advanced Seminar in Critical Migration Studies

Calendar Section: Global Leadership

MINOR PROGRAM IN HEALTH HUMANITIES (ARTS) - SCMIN2088

The Minor in Health Humanities provides an interdisciplinary exploration of human health and illness through the methods and materials of the creative arts, humanities, and critical social sciences. Students' understanding of the humanistic, philosophical, historical, and artistic study of health—past and present—will be developed by attending closely to how literature, philosophy, history, and critical social sciences reveal the aesthetic, ethical, and multicultural contexts of health, disability, medical research and policy. This interdisciplinary Minor program is open to all undergraduates regardless of major or disciplinary backgrounds. See the following website for more information.
Students will note that some courses at the B-, C-, and D-levels may have additional prerequisites; therefore, students selecting the Minor as a Subject POSt must choose their courses carefully to ensure that they have the necessary prerequisites. Permission to count courses indicated by an asterisk (*) towards the Minor in Health Humanities must be received from the Program Supervisor, and will be granted in cases where the student's work demonstrably engages Health Humanities-related content and/or research methods.

Note: Relevant Health Humanities-related courses selected from other academic units and disciplines, not already listed below, may be approved for the Minor in Health Humanities on a case-by-case basis. Please consult the Program Supervisor to determine the potential eligibility of relevant courses that are not listed below.

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

1. 1.5 credit in Core Concepts in Health Humanities
HLTB50H3 Introduction to Health Humanities
HLTC55H3 Methods in Arts-Based Research
PHLB09H3 Biomedical Ethics

2. 0.5 credit in Critical Writing to be chosen from:
ENGA02H3 Critical Writing about Literature
ENGB02H3 Effective Writing in the Sciences

3. At least 0.5 credit at the C-level to be chosen from the following*:
ANTC24H3 Culture, Mental Illness, and Psychiatry
ANTC61H3 Medical Anthropology: Illness and Healing in Cultural Perspective
HLTC20H3 Global Disability Studies
HLTC50H3 The Human-Animal Interface
HLTC52H3 Special Topics in Health Humanities
HLTC53H3 Creative Research Practices in Aging
HLTC56H3 Drawing Illness
HLTC60H3 Disability History

MUZC02H3/(VPMC02H3) Music, Health and Wellness
WSTC12H3 Writing the Self: Global Women's Autobiographies
WSTC40H3 Gender and Disability

4. 0.5 credit at the D-level to be chosen from the following*:
ANTD01H3 The Body in Culture and Society
ANTD10H3 The Anthropology of 'Life' Itself
ENGD12H3 Topics in Life Writing
HLTD07H3 Advanced Rehabilitation Sciences: Disability Studies and Lived Experiences of 'Normalcy'
HLTD50H3 Advanced Topics in Health Humanities
HLTD51H3 Aging and the Arts
HLTD52H3 Health Histories
HLTD53H3 Advanced Topics in Health Humanities
HLTD54H3 Toronto's Stories of Health and Illness
HLTD56H3 Health Humanities Workshop: Documentary & Memoir
HLTD80H3 Critical Health Education

5. 1.0 credits to be chosen from the following*:
ANTC24H3 Culture, Mental Illness, and Psychiatry (if not used to complete Requirement 3)
ANTC61H3 Medical Anthropology: Illness and Healing in Cultural Perspective (if not used to complete Requirement 3)
ANTD01H3 The Body in Culture and Society (if not used to complete Requirement 3)
ANTD10H3 The Anthropology of 'Life' Itself (if not used to complete Requirement 3)
CTLB03H3 Introduction to Service Learning
ENGA02H3 Critical Writing about Literature (if not used to complete Requirement 2)
ENGB02H3 Effective Writing in the Sciences (if not used to complete Requirement 2)
ENGB12H3 Life Writing
ENGB52H3 Literature and Science
ENGB74H3 The Body in Literature and Film
ENGD12H3 Topics in Life Writing (if not used to complete Requirement 4)
FLMC44H3 Self and Other in Literature and Film
HLTB30H3 Current Issues in Health
HLTB42H3 Perspectives of Culture, Illness and Healing
HLTB60H3 Introduction to Interdisciplinary Disability Studies
HLTC04H3 Qualitative Research in Action
HLTC20H3 Global Disability Studies (if not used to complete Requirement 3)
HLTC47H3 Institutional Ethnography in Action
HLTC50H3 The Human-Animal Interface (if not used to complete Requirement 3)
HLTC52H3 Special Topics in Health Humanities (if not used to complete Requirement 3)
HLTC53H3 Creative Research Practices in Aging (if not used to complete Requirement 3)
HLTC56H3 Drawing Illness (if not used to complete Requirement 3)
HLTC60H3 Disability History (if not used to complete Requirement 3)
HLTD01H3 Directed Readings in Health and Society**
HLTD06H3 Migration, Medicine, and the Law
HLTD07H3 Advanced Rehabilitation Sciences: Disability Studies and Lived Experiences of 'Normalcy' (if not used to complete Requirement 4)
HLTD50H3 Advanced Topics in Health Humanities (if not used to complete Requirement 4)
HLTD51H3 Aging and the Arts (if not used to complete Requirement 4)
HLTD52H3 Health Histories (if not used to complete Requirement 4)
HLTD53H3 Advanced Topics in Health Humanities (if not used to complete Requirement 4)
HLTD54H3 Toronto's Stories of Health and Illness (if not used to complete Requirement 4)
HLTD56H3 Health Humanities Workshop: Documentary & Memoir (if not used to complete Requirement 4)
HLTD71Y3 Directed Research in Health and Society **
HLTD80H3 Critical Health Education (if not used to complete Requirement 4)
MUZC02H3/(VPMC02H3) Music, Health and Wellness
WSTC12H3 Writing the Self: Global Women's Autobiographies (if not used to complete Requirement 3)
WSTC40H3 Gender and Disability (if not used to complete Requirement 3)

Notes:
1. The courses listed in requirements 3, 4, and 5 (designated with a *) engage methods, content, and/or issues relevant to arts and humanities-based approaches to health. They provide students with the opportunity to explore more specialized topics related to Health Humanities based on their academic interests and professional aspirations.
2. 0.5 credit can be earned by taking for-credit fine arts classes (e.g., music performance, visual arts, creative writing, etc).
3. Permission to count CLTB03H3 (**), HLTB30H3 (**), HLTD01H3, (**) or HLTD71Y3 (**) towards the Minor in Health Humanities must be received from the Program Supervisor. Permission will be granted only in cases where the student's work demonstrably engages Health Humanities-related content and/or research methods.

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