This information is accurate as of May 13, 2025.

Please note that this list is meant to be a general guide to help University of Windsor students meet teachable subject requirements. It includes suggested courses and recommendations, but it's not a definitive or required list.

Courses are subject to availability and may not be offered every semester. Use this list as a guideline.

Contents

University of Windsor Faculty of Education List of Teaching Subjects 3
Business Studies – General 4
Teaching Subject Requirements 4
Recommended Courses to Meet Requirements 4
Dramatic Arts 5
Teaching Subject Requirements 5
Recommended Courses to Meet Requirements 5
English 7
Teaching Subject Requirements 7
Recommended Courses to Meet Requirements 7
French as a Second Language 8
Teaching Subject Requirements 8
Recommended Courses to Meet Requirements 8
Geography 9
Teaching Subject Requirements 9
Recommended Courses to Meet Requirements 9
Health and Physical Education 11
Teaching Subject Requirements 11
Recommended Courses to Meet Requirements 11

History **13**
Teaching Subject Requirements 13
Recommended Courses to Meet Requirements 13
Mathematics **16**
Teaching Subject Requirements 16
Recommended Courses to Meet Requirements 16
Media Arts **18**
Teaching Subject Requirements 18
Recommended Courses to Meet Requirements 18
Music – Vocal or Instrumental **19**
Teaching Subject Requirements 19
Recommended Courses to Meet Requirements 19
Science – General **21**
Teaching Subject Requirements 21
Recommended Courses to Meet Requirements 21
Science – Biology **22**
Teaching Subject Requirements 22
Recommended Courses to Meet Requirements 22
Science – Chemistry **24**
Teaching Subject Requirements 24
Recommended Courses to Meet Requirements 24
Science – Physics **25**
Teaching Subject Requirements 25
Recommended Courses to Meet Requirements 25
Social Sciences – General **27**
Teaching Subject Requirements 27
Recommended Courses to Meet Requirements 27
Visual Arts **29**
Teaching Subject Requirements 29
Recommended Courses to Meet Requirements 29

University of Windsor Faculty of Education List of Teaching Subjects

- Business Studies – General (044)
- Dramatic Arts (135)
- English (319)
- French as a Second Language (325)
- Geography (740)
- Health and Physical Education (860)
- History (750)
- Mathematics (652)
- Media Arts (195)
- Music – Vocal (159) or Instrumental (158)
- Science – General (430)
- Science – Biology (412)
- Science – Chemistry (420)
- Science – Physics (470)
- Social Sciences – General (165)
- Visual Arts (190)

Intermediate/Senior candidates choose 2 teaching subjects. You must have at least 10 semester undergraduate courses (30 semester hours) in the first teaching subject and 6 semester undergraduate courses (18 semester hours) in the second teaching subject, except for French and Music, which require additional courses.

At least 2 of these courses must be at the 2nd-year level or above. Teaching subject courses must be completed by the end of **April 202x.**

Admission Requirements for the B.Ed. Consecutive Program can be found here: Application and Admissions - B.Ed. Consecutive Program | Faculty of Education

Business Studies – General

Teaching Subject Requirements

As a first teaching subject, 10 semester undergraduate core business courses are required. Two undergraduate courses in economics can count toward a first teaching subject only.

As a second teaching subject, 6 semester undergraduate core business courses are required.

At least 2 of these courses must be at the second-year level or above.

Recommended Courses to Meet Requirements

It is recommended that students pursuing a first or second teachable in Business Studies – General choose courses from the following list:

- STEN-1000 Introduction to Business
- MKTG-1310 Principles of Marketing
- ACCT-1510 Principles of Financial Accounting
- MSCI-1000 Introduction to Business Data Analytics
- MSCI-2130 Introduction to Management Information Systems
- FINA-2000 Personal Finance
- FINA-2700 Business Finance I
- MGMT-2400 Organizational Behavior
- MGMT-2430 Human Resources Management

Please note that the following two courses will only be credited towards students with business as their first teachable subject. They do not fulfill the requirements for a second teachable subject.

- ECON-1100 Introduction to Economics I
- ECON-1110 Introduction to Economics II

Under no circumstances will non-Business students be allowed to complete more than nine (9) Business courses.

Dramatic Arts

Teaching Subject Requirements

You must have at least 10 semester undergraduate courses in the first teaching subject and 6 semester undergraduate courses in the second teaching subject.

At least 2 of these courses must be at the second-year level or above.

Acceptable undergraduate courses are those offered through a drama or theatre arts department.

A maximum of 2 undergraduate semester courses in theory or history of theatre, drama or dramatic literature is allowed.

Recommended Courses to Meet Requirements

It is recommended that students pursuing a first or second teachable in Dramatic Arts choose courses from the following list:

- Theory/History Courses:
  - DRAM-1300 Theatre History I
  - DRAM-2300 Theatre History II
  - DRAM-3350 Theatre from the Twentieth Century to the Present Day
  - DRAM-3330 Canadian Theatre History
- Design Courses:
  - DRAM-2110 Scenic Design I
  - DRAM-2130 Scene Painting for the Theatre
  - DRAM-2150 Lighting Design I
  - DRAM-2170 Costume Design
  - DRAM-2500 Stage Makeup
  - DRAM-3150 Stage Management
  - DRAM-3170 Costume Design II
  - DRAM-3190 Studies in Design
- Senior Performance Courses:
  - DRAM-2350 Introductory Acting II
  - DRAM-3710 Literacy in Action
  - DRAM-3780 Theatre for Social Action
  - DRAM-4700 Theatre for Young Audiences
  - DRAM-4710 Drama and Community: Applications

- Additional Drama Courses:
  - DRAM-1000 Introduction to Theatre and Performance Studies I
  - DRAM-2000 Introduction to Theatre and Performance Studies II
  - DRAM-1600 Introduction to Drama in Education and Community I
  - DRAM-1610 Introduction to Drama in Education and Community II
  - DRAM-2600 Drama in the Classroom: Principles and Theories
  - DRAM-2770 Improvisation
  - DRAM-2840 Creative Movement and Voice I
  - DRAM-3600 Drama in the Classroom: Applications II
  - DRAM-2250 Introductory Acting I

English

Teaching Subject Requirements

You must have at least 10 semester undergraduate courses in the first teaching subject and 6 semester undergraduate courses in the second teaching subject.

At least 2 of these courses must be at the second-year level or above.

A minimum of 2 undergraduate semester courses in English literature or poetry is required.

The remaining required courses can be a combination of literature, poetry and writing.

Recommended Courses to Meet Requirements

It is recommended that students pursuing a first or second teachable in English choose courses from the following list:

Literature Courses:

- ENGL-1005 Topics in Literature
- ENGL-1003 Early British Literature (restricted to English majors)
- ENGL-1004 Later British Literature (restricted to English majors)
- ENGL-20XX (Medieval, Renaissance, and Restoration Literature)
- ENGL-21XX (Romantic, Victorian, Modern, and Contemporary British Literature)
- ENGL-22XX (Canadian and American Literature)
- ENGL-23XX (World Literature, Gender-Focused Literature, Indigenous Literature)

Additional Recommended Courses:

- ENGL-2710 Creative Writing I (requires application and sample portfolio)
- ENGL-24XX (Rhetoric and Language-Focused Courses)
- ENGL-25XX (Special Topics Courses)
- ENGL-3XXX (Upper-year Topics Courses)
- ENGL-4XXX (Honours Seminar Courses)

Please note that the Faculty of Education and the Department of English strongly caution students against taking the following courses toward a teachable in English:

- ENGL-1001 Composition
- ENGL-1010 Academic Writing

French as a Second Language

Teaching Subject Requirements

As your first or second teaching subject, 10 undergraduate semester courses in French are required. These courses must be taught by a French department and not just be courses taught in French to qualify. You must possess oral and written fluency in the French language and a thorough knowledge of grammar.

At least 2 of these courses must be at the second-year level or above.

Recommended Courses to Meet Requirements

It is recommended that students pursuing a first or second teachable in French as a Second Language take the following courses:

- FREN-1210 Language Training I
- FREN-1220 Language Training II
- FREN-2210 Language Training III
- FREN-2220 Language Training IV
- FREN-1410 Introduction to Literary Studies
- FREN-2300 Introduction to Linguistics I
- FREN-2310 Introduction to Linguistics II

Any FREN- course will satisfy the remaining requirements for a first or second teachable.

Please note that the Faculty of Education and the Department of Languages, Literatures & Cultures strongly caution students against taking the following courses toward a teachable in French as a Second Language:

- FREN-1120 French for Beginners
- FREN-1130 Intermediate French I
- FREN-1140 Intermediate French II

Geography

Teaching Subject Requirements

You must have at least 10 semester undergraduate courses in the first teaching subject and 6 semester undergraduate courses in the second teaching subject.

At least 2 of these courses must be at the second-year level or above.

You must have at least 1 semester course in Geo-Informatics (GIS) and courses in all 3 of the following recommended areas:

- Physical geography (geomorphology, biogeography, climatology),
- Human or economic geography and
- Canadian geography (geography or social science course covering global issues, such as tourism, development, environment or poverty).

Recommended Courses to Meet Requirements

To have Geography as a first teachable subject, your ten courses should include:

- two physical geography courses
- two human/economic geography courses
- one Canadian geography course
- two GIS (Geo-Informatics) courses
- two courses on global issues (e.g. tourism, environment, development, poverty)
- one course on resource management

To have Geography as a second teachable subject, your six courses should include:

- one physical geography course
- one human/economic geography course
- one Canadian geography course
- one GIS (Geo-Informatics) course

It is recommended that students pursuing a first or second teachable in Geography choose courses from the following list:

Course Code	Course Name	Requirement Theme
ESTU-2100	Canadian Regional Environments	Canadian

	**** required**	
ESCI-1151	Fundamentals of Geographic Information Systems/Science **** required**	GIS/Geo-info
ESCI-1130	Atmosphere and Climate	Physical
ESCI-2141	Hydrology	Physical
ESCI-2201	Climatology	Physical
ESCI-2210	Introduction to Climate Change	Physical
ESCI-2300	Introduction to Oceanography	Physical
ESCI-2400	Geomorphology	Physical
ESCI-2410	Coastal Geomorphology	Physical
ESTU-1100	Introduction to Environmental Studies	Human/Economic
POLS-2300	Space, Place and Scale: Foundations of Human Geography	Human/Economic
POLS-2490	Political Economy of Agriculture and Food	Human/Economic
POLS-3350	Political Geography	Human/Economic
ESCI-1141	Cartography and Digital Mapping	GIS/Geo-info
ESCI-2701	Introduction to Image Processing & Remote Sensing	GIS/Geo-info
ESCI-3701	Spatial Modeling in GIS	GIS/Geo-info
ESCI-3310	Global Water Crisis	Globalization
PHIL-3230	Human Rights and Global Justice	Globalization
SACR-2270	Globalization Development and Social Change	Globalization
SACR-3400	Food and Global Sustainability	Globalization
ESCI-2600	Principles of Resource Management	Resource Management
ESCI-3610	Environmental Impact Assessment	Resource Management
ESTU-2500	Concepts for Ecosystem Management	Resource Management
ESTU-3310	Great Lakes Water Quality Agreement	Resource Management

Health and Physical Education

Teaching Subject Requirements

You must have at least 10 semester undergraduate courses in the first teaching subject and 6 semester undergraduate courses in the second teaching subject.

At least 2 of these courses must be at the second-year level or above.

You must have courses offered through Kinesiology or Physical Education. Two semester courses in health studies are allowed.

Recommended Courses to Meet Requirements

To complete this teachable, students need to complete courses within Kinesiology and Health Studies, therefore, having a grade 12 U science background would be beneficial. Sport Management & Leadership courses will not fulfil the course requirements for the Health & Physical Education teachable.

It is recommended that students choose at least one semester course in each of the following areas of Kinesiology and Health Studies:

1. **Biomechanics/Ergonomics**
    a. KINE-1800 Fundamental Mechanics of Human Motion
    b. KINE-2240 Physical Ergonomics and Injury Prevention

2. **Exercise Physiology/Anatomy**
    a. KINE-1650 Functional Anatomy I
    b. KINE-1660 Functional Anatomy II
    c. KINE-2600 Physiology of Human Performance

3. **Sport and Exercise Psychology/Sociology/Ethics**
    a. KINE-1110 Principles of Mental Skills Training
    b. KINE-2250 Ethics in Sport and Physical Activity
    c. KINE-2300 Sociology of Sport

4. **Motor Development/Motor Control**
    a. KINE-2100 Human Performance

b. KINE-2850 Human Growth and Development

5. **Health and Nutrition/Coaching/Management of Sport Organizations**
    a. KINE-1000 Health and Wellness (*strongly recommended)
    b. KINE-1500 Principles of Sport Management
    c. KINE-2040 Sport Nutrition
    d. KINE-4760 Principles of Coaching

History

Teaching Subject Requirements

You must have at least 10 semester undergraduate courses in the first teaching subject and 6 semester undergraduate courses in the second teaching subject.

At least 2 of these courses must be at the second-year level or above.

A minimum of 2 semester undergraduate courses in Canadian history is required.

Recommended Courses to Meet Requirements

It is recommended that students pursuing a first or second teachable in History choose courses from the following list:

Canadian History Courses:

- HIST-2430 Canada from Early European Contacts to the Origins of Confederation, 1600-1867
- HIST-2440 Canada since Confederation, 1867 to the Present
- HIST-2460 Aboriginal Peoples in Canadian History: Beginnings to Mid-Nineteenth Century
- HIST-2470 Aboriginal Peoples in Canadian History: Mid-Nineteenth Century to the Present
- HIST-2490 Women in Canada and the United States, 1600-1870
- HIST-2500 Women in Canada and the United States, 1870-Present
- HIST-2510 History of Women's Movements in North America (also offered as WGST 2510)
- HIST-2870 History of Crime in Canada
- HIST-3490 Canadian Labour History
- HIST-3610 Slavery in North America, 1600-1877
- HIST-3620 African-Americans/Canadians After Emancipation, 1877 to the Present
- HIST-3480 Borderlands: Canada-United States Relations since 1783
- HIST-4450 Politics and Society in Industrializing Canada, 1890s-1930s
- HIST-4460 The Making of Post-War Canada
- HIST-4600 British North America and the United States of America, 1766-1867

Recommended Courses:

- HIST-1140 Europe Encounters the World: The Age of Discovery, 15th-18th Century

- HIST-1230 The World in the Twentieth Century, 1914-1945
- HIST-1240 The World in the Twentieth Century, 1945 to Present
- HIST-2100 Islamic History: Formative Period 600-1000
- HIST-2110 Islamic History: Consolidation, Expansion and Empire 1000-1800
- HIST-2120 Modern Islamic History 1800-Present: The Rise of Secular Nationalism and Political Islam
- HIST-2610 History of America, 1600-1877
- HIST-2620 History of America, 1877 to the Present
- HIST-2720 Modern Latin America

Additional History Courses:

- HIST-1970 Selected Topics (could include Canadian history depending on what's being taught)
- HIST-2020 Modern Europe
- HIST-2070 Early Modern England, 1485-1714
- HIST-2080 Modern Britain, 1714-Present
- HIST-2180 War in the 20th Century
- HIST-2300 History of Documentary Film
- HIST-2970 Selected Topics in History (could include Canadian history depending on what's being taught)
- HIST-3100 Gender in Islamic History
- HIST-3160 The European Renaissance
- HIST-3630 American History, 1945 to the Present
- HIST-3680 North American Popular Culture
- HIST-3800 History on the Web
- HIST-3820 Storytelling and Design in Public History
- HIST-3970 Selected Topics in History (could include Canadian history depending on what's being taught)
- HIST-4030 Medicine, Healing and the Health Professions
- HIST-4080 Culture and Society in Victorian Britain
- HIST-4110 The Life and Legacy of Muhammad
- HIST-4350 The Early Modern Atlantic World
- HIST-4580 Early American History, 1600-1800
- HIST-4620 United States-Latin American Relations in the 20th Century
- HIST-4630 History of Gender and Sexuality
- HIST-4660 History in the Movies
- HIST-4700 The Era of the Great War
- HIST-4800 Public History
- HIST-4810 Public History Practicum

- HIST-4820 Making Historical Documentaries
- HIST-4830 Local History and Research Methods
- HIST-4970 Selected Topics in History (could include Canadian history depending on what's being taught)

Mathematics

Teaching Subject Requirements

You must have at least 10 semester undergraduate courses in the first teaching subject and 6 semester undergraduate courses in the second teaching subject.

At least 2 of these courses must be at the second-year level or above.

You must have completed courses in the following areas:

- Calculus
- Linear algebra
- Probability
- Statistics
- 1 course with an emphasis on proof (e.g., Geometry, Number Theory, Abstract Algebra, Combinatorial Math or Graph Theory)

Recommended Courses to Meet Requirements

It is recommended that students pursuing a first or second teachable in Mathematics choose courses from the following list:

Calculus:

- MATH-1720 Differential Calculus
- MATH-1760 Functions and Differential Calculus
- MATH-1730 Integral Calculus
- MATH-2780 Vector Calculus
- MATH-2790 Differential Equations
- MATH-3580 Introduction to Analysis I
- MATH-3581 Introduction to Analysis II

Linear Algebra:

- MATH-1250 Linear Algebra I
- MATH-1270 Linear Algebra (Engineering)
- MATH 1260 Vectors and Linear Algebra
- MATH-2250 Linear Algebra II
- MATH-2251 Linear Algebra III

Probability:

- STAT-2920 Introduction to Probability
- STAT-3920 Probability
- STAT-3960 Stochastic Operations Research

Statistics:

- STAT-2950 Introduction to Statistics
- STAT-2910 Statistics for the Sciences
    - ** STAT-2910 cannot be taken for credit after taking STAT-2920 or STAT-2950 **
- STAT-3950 Statistics

Emphasis on Proof:

- MATH-1020 Mathematical Foundations
- MATH-3270 Number Theory
- MATH-3150 Introduction to Graph Theory
- MATH-3160 Combinatorics
- MATH-3200 Abstract Algebra
- MATH-3580 Introduction to Analysis I (** strongly recommended by the Department of Mathematics and Statistics for future high school math teachers)
- MATH-3581 Introduction to Analysis II
- MATH-3800 Numerical Methods
- MATH-3940 Numerical Analysis for Computer Scientists

Media Arts

Teaching Subject Requirements

As a first teachable subject, 10 semester undergraduate core courses in Communications, Media and Film are required. You may count 2 undergraduate courses in Visual Arts.

As a second teachable subject, 6 semester undergraduate core courses in Communication, Media and Film are required.

At least 2 of these courses must be at the second-year level or above.

Recommended Courses to Meet Requirements

It is recommended that students pursuing a first or second teachable in Media Arts take the following courses:

- CMAF-1010 Introduction to Media and Society
- FILM-1100 Film Production I
- CMAF-2340 Research Methods in Communication
- CMAF-2750 Theories of Communication and Media
- CMAF-2010 New Media Studies
- CMAF-2250 Media Literacy
- CMAF-3340 Methods of Mass Media Criticism
- CMAF-3750 Critical Approaches to Media and Culture

Any CMAF- or FILM- course will satisfy the remaining requirements for a first or second teachable.

Music – Vocal or Instrumental

Teaching Subject Requirements

As a first teaching subject, 10 undergraduate semester courses are required, with courses in music history and music theory (at least 4 courses in each), 1 course in conducting and 1 course in applied study (Major Instrument/Voice).

We recommend instrumental applicants have at least 2 semesters of study in woodwinds, brass, percussion, string or guitar techniques and to vocal applicants who have at least 1 semester of study in vocal techniques.

As a second teaching subject, 8 undergraduate semester courses are required, with at least 2 courses in each of music history and music theory, 1 course in conducting and 1 course in an applied area (Major Instrument/Voice).

We recommend instrumental applicants have at least 1 semester of study in woodwinds, brass, percussion, string or guitar techniques and to vocal applicants who have at least 1 semester of study in vocal techniques.

We advise you that, as the focus of the music programs of the 2 local school boards is on instrumental music, at least 1 placement will be in instrumental music.

At least 2 of these courses must be at the second-year level or above.

Recommended Courses to Meet Requirements

It is recommended that students pursuing a first or second teachable in Music – Vocal or Instrumental choose courses from the following list:

- MUSC-1120 Music Theory and Musicianship I
- MUSC-1130 Music Theory and Musicianship I
- MUSC-1260 Music History and Literature I
- MUSC-1270 Music History and Literature II
- MUSC-2120 Music Theory and Musicianship III
- MUSC-2130 Music Theory and Musicianship IV
- MUSC-2480 Basic Conducting I
- MUSC-2490 Basic Conducting II
- Applied Study Courses:

  - MUSP-2470 Voice
  - MUSP-2480 Piano
  - MUSP-2520 Flute
  - MUSP-2530 Oboe
  - MUSP-2540 Clarinet
  - MUSP-2550 Saxophone
  - MUSP-2570 French Horn
  - MUSP-2580 Trumpet
  - MUSP-2590 Trombone
  - MUSP-2610 Euphonium
  - MUSP-2620 Tuba
  - MUSP-2630 Violin
  - MUSP-2640 Viola
  - MUSP-2650 Cello
  - MUSP-2660 Double Bass
  - MUSP-2670 Percussion
  - MUSP-2690 Guitar
  - MUSP-2710 Applied Jazz/Pop
  - ** Applied Study have additional course fees, require faculty permission, are subject to availability and require advanced notice to the School of Creative Arts
- MUSC-2550 Vocal Techniques
- MUSC-2390 Woodwind Techniques
- MUSC-2690 Percussion Techniques
- MUSC-2790 Brass Techniques
- MUSP-2100 University Singers
- MUSP-2200 University Wind Ensemble
- MUSP-2400 Jazz Ensemble

Science – General

Teaching Subject Requirements

For a first teaching subject, 10 semester undergraduate courses across biology, chemistry and physics are required, with at least 2 courses in each of the following areas: Biology, chemistry and physics. At least 2 of these courses must include a lab component.

For a second teaching subject, 2 core semester courses are required from each of the following areas: Biology, chemistry and physics. At least 2 of these courses must include a lab component.

At least 2 of these courses must be at the second-year level or above.

Recommended Courses to Meet Requirements

It is recommended that students pursuing a first or second teachable in General Science choose courses from the lists on pages 22 to 26.

Science – Biology

Teaching Subject Requirements

You must have at least 10 semester undergraduate courses in the first teaching subject and 6 semester undergraduate courses in the second teaching subject

At least 2 of these courses must be at the second-year level or above.

There must be a lab component with at least 2 of the courses for a first or second teaching subject.

Recommended Courses to Meet Requirements

It is recommended that students pursuing a first or second teachable in Biology take the following courses:

- BIOL-1101 Cell Biology *
- BIOL-1111 Biological Diversity *
- BIOL-2101 Ecology
- BIOL-2111 Genetics *
- BIOL-2142 Principles of Evolution

The remaining teachable courses can be chosen from the following list:

- BIOL-2040 Human Physiology I
- BIOL-2071 Introductory Microbiology and Techniques *
- BIOL-2080 Economic Botany
- BIOL-2480 Principles of Neuroscience
- BIOL-3022 Research Principles and Study Design in Biological Sciences *
- BIOL-3201 Applied Entomology
- BIOL-3212 Environmental Physiology
- BIOL-3230 Animal Behaviour
- BIOL-3241 Fishes and Fisheries *
- BIOL-3250 Population and Community Ecology
- BIOL-3261 Biology of Birds *
- BIOL-3281 Plant Ecology *
- BIOL-3571 Animal Cells and Tissues *
- BIOL-4241 Stream Ecology *
- BIOL-4262 Animal Communication
- BIOL-4270 Conservation Biology

- BIOL-4570 Plant Molecular Biology and Physiology
- BIOM-2021 Human Anatomy *
- BIOM-2131 Introductory Molecular Biology *
- BIOM-3500 Molecular Cell Biology
- BIOM-3530 Advanced Cell Biology
- BIOM-3540 Immunology
- BIOM-3550 Embryology
- BIOM-4590 Epigenetics

Please note that the following Kinesiology – Health Science courses will count towards a second teachable in Biology:

- KINE-1650 Functional Anatomy
- KINE-1660 Functional Anatomy II
- KINE-2600 Physiology of Human Performance

* Course with lab

Science – Chemistry

Teaching Subject Requirements

You must have at least 10 semester undergraduate courses in the first teaching subject and 6 semester undergraduate courses in the second teaching subject

At least 2 of these courses must be at the second-year level or above.

There must be a lab component with at least 2 of the courses for a first or second teaching subject.

Recommended Courses to Meet Requirements

It is recommended that students pursuing a first or second teachable in Chemistry take the following courses:

- CHEM-1100 General Chemistry I *
- CHEM-1110 General Chemistry II *
- CHEM-2300 Introductory Organic Chemistry I *
- CHEM-2500 Introductory Inorganic Chemistry I
- BIOC-2010 Chemistry of Biomolecules *
- CHEM-2200 Analytical Chemistry *
- CHEM-2400 Introductory Physical Chemistry I *

The remaining teachable courses can be chosen from the following list:

- CHEM-2310 Introductory Organic Chemistry II
- CHEM-2410 Introductory Physical Chemistry II *
- CHEM-2510 Introductory Inorganic Chemistry II *
- CHEM-3210 Principles of Instrumental Analysis
- CHEM-3710 Materials Chemistry
- BIOC-3130 Protein and Nucleic Acid Chemistry
- BIOC-3310 Pharmacology for the Health Sciences
- BIOC-3100 Metabolism I
- BIOC-3110 Metabolism II
- BIOC-4010 Bioinformatics/Genomics/Proteomics
- BIOC-4020 Lipids, Lipoproteins and Signalling

* Course with lab

Science – Physics

Teaching Subject Requirements

You must have at least 10 semester undergraduate courses in the first teaching subject and 6 semester undergraduate courses in the second teaching subject

At least 2 of these courses must be at the second-year level or above.

There must be a lab component with at least 2 of the courses for a first or second teaching subject.

Recommended Courses to Meet Requirements

It is recommended that students pursuing a first or second teachable in Physics choose courses from the following list:

- PHYS-1400 Introductory Physics I *
- PHYS-1410 Introductory Physics II *
- PHYS-1500 From Symmetry to Chaos in the Universe: An Introduction to Theoretical Methods in Contemporary Physics
- PHYS-2200 Oscillations, Waves, and Electromagnetism *
- PHYS-2210 Modern Physics
- PHYS-2500 Intermediate Classical Mechanics
- PHYS-3100 Quantum Mechanics I
- PHYS-3200 Electromagnetism: Statics
- PHYS-3210 Electromagnetism: Dynamics
- PHYS-3500 Advanced Classical Mechanics
- PHYS-4100 Quantum Mechanics II
- PHYS-4130 Introduction to Statistical Mechanics
- PHYS-3900 Techniques in Experimental Physics I *
- PHYS-3700 Introduction to Medical Physics

* Course with lab

The following courses would not satisfy the requirements for a first or second teachable in Physics but would enhance a future teacher's knowledge of the subject and profession:

- PHYS-1000 Introduction to Astronomy I (May be taken by B.Sc. students for credit, but does not count as a Physics course or other science course towards the fulfillment of the requirements for the B.Sc. degree.)
- PHYS-1010 Introduction to Astronomy II (May be taken by B.Sc. students for credit, but does not count as a Physics course or other science course towards the fulfillment of the requirements for the B.Sc. degree.)
- PHYS-2040 History of Astronomy (May be taken by BSc and BFS students for credit, but satisfies only the course requirements for "any area of study" toward the fulfilment of the requirements for a BSc or BFS.)

Please note that the Faculty of Education and the Department of Physics strongly caution students against taking the following courses toward a teachable in Physics:

- PHYS-1300 Introductory Physics for Life Sciences I
- PHYS-1310 Introductory Physics for Life Sciences II
- PHYS-2000 The Exoplanet Revolution
- PHYS-2060 Physics and Society-The Present
- PHYS-4000 Technical Communication Skills
- PHYS-4600 Special Topics in Physics
- PHYS-4670 Special Techniques in Health Physics
- PHYS-4700 Radiological Physics
- PHYS-4710 Medical Imaging
- PHYS-4720 Magnetic Resonance Imaging
- PHYS-4730 Radiobiology
- PHYS-4900 Research

Social Sciences – General

Teaching Subject Requirements

You must have at least 10 semester undergraduate courses in the first teaching subject and 6 semester undergraduate courses in the second teaching subject

At least 2 of these courses must be at the second-year level or above.

Courses can be chosen from the following areas of study:

- Anthropology
- Political Science
- Psychology
- Sociology
- Women's Studies

We strongly recommend that you select this area as a second teaching subject.

Social Sciences – General is an optional subject in the high school curriculum; therefore, entry to this teaching subject is extremely limited.

Recommended Courses to Meet Requirements

Students may take 6 courses from 1 subject area or a mix from all subject areas. Students can select any course that begins with POLS-, PSYC-, SACR-, or WGST-, to satisfy the teachable requirements.

It is recommended that students pursuing a first or second teachable in Social Sciences – General choose courses from the following list:

Political Science (POLS-)

- POLS-1000 Introduction to Canadian Government and Politics
- POLS-1300 Comparative Politics in a Changing World
- POLS-1600 Introduction to International Relations
- POLS-2140 Legal Process in Canada
- POLS-2010 Current Issues in Canadian Politics
- POLS-3140 Constitutional Law and Politics in Canada

Sociology (SACR-)

- SACR-1100 Foundations of Social Life
- SACR-1110 Introduction to Family and Social Relations
- SACR-2040 Sociology of Families
- SACR-2100 Gender, Sexuality and Social Justice (also offered as WGST 2100)
- SACR-2050 Sociology of Sexualities
- SACR-2400 Introduction to Race and Ethnicity

Psychology (PSYC-)

- PSYC-1150 Introduction to Psychology as a Behavioural Science
- PSYC-1160 Introduction to Psychology as a Social Science
- PSYC-2230 Developmental Psychology: The Child
- PSYC-2240 Developmental Psychology: Adolescence
- PSYC-2250 Developmental Psychology: Adulthood and Aging

Women's and Gender Studies (WGST-)

- WGST-1000 Women in Canadian Society
- WGST-2100 Gender, Sexuality, and Social Justice (also offered as SACR 2100)
- WGST-2200 Women, Race, and Social Justice
- WGST-2500 Women's Bodies, Women's Health

Visual Arts

Teaching Subject Requirements

You must have at least 10 semester undergraduate courses in the first teaching subject and 6 semester undergraduate courses in the second teaching subject

At least 2 of these courses must be at the second-year level or above.

A combination of studio courses is required (e.g., Painting, Sculpture, Printmaking, Drawing). A maximum of 2 undergraduate semester courses may be chosen from Photography, Architecture or Art History.

Recommended Courses to Meet Requirements

It is recommended that students pursuing a first or second teachable in Visual Arts choose courses from the following list:

- VSAR-1050 Studio Practice and Ideas/Space
- VSAR-1060 Studio Practice and Ideas/Image
- VSAR-1070 Studio Practice and Ideas/Drawing
- VSAR-1080 Studio Practice and Ideas/Time
- MACS-2050 Art and Material Culture
- MACS-2150 Art and Visual Culture
- VSAR-3650 Independent Studio
- VSAR-3900 Studies in the Visual Arts
- Drawing Courses:
    - VSAR-2030 Introductory Drawing
    - VSAR-303 Drawing
    - VSAR-3650 Independent Studio
    - VSAR-3860 Bioart: Contemporary Art and the Life Sciences
- Inter-media Practices Courses:
    - VSAR-3830 Inter-Media Practices – Processes
    - VSAR-3840 Inter-Media Practices – Topics
    - VSAR-3710 Art in Public Spaces
    - VSAR-3860 Bioart: Contemporary Art and the Life Sciences
    - VSAR-3800 Internship (requires application in summer term)
- Painting Courses:
    - VSAR-2130 Introductory Painting

  - VSAR-3130 Painting
- Photography Courses:
  - VSAR-2900 Introduction to Photography: Digital
- Sculpture/Built Environment Courses:
  - VSAR-2550 From 2D to 3D – Playing with Space
  - VSAR-3330 Sculpture
  - VSAR-3710 Art in Public Places
  - VSAR-3850 Green Corridor
- Time-Based Courses:
  - VSAR-2430 Introductory Time-Based Art
  - VSAR-2450 Digital Media and Design
  - VSAR-2630 Sonic Art
  - VSAR-3430 Time-Based Art
  - VSAR-3450 Digital Media and Interactivity
  - VSAR-3630 Advanced Sonic Art