

SOC APPROVALS

August 31, 2022

The following proposals were approved at the August 31, 2022 meeting of the Subcommittee on Undergraduate Academic Courses (SOC).

PROGRAM CHANGES

Faculty of Engineering

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Program Revision – Effective September 1, 2022, the following change(s) be made:

SOFTWARE ENGINEERING PROGRAM

...

Technical Electives: Software Engineering

Data Science 3000A/B, Electrical and Computer Engineering ECE 3389A/B, **Electrical and Computer Engineering ECE** 3390A/B, **Electrical and Computer Engineering ECE** 4460A/B, ~~SE-4460A/B~~, **Software Engineering SE** 4470A/B, **Software Engineering SE** 4471A/B, Computer Science 3342A/B, Computer Science 3346A/B, Computer Science 3388A/B, Computer Science 4442A/B, Computer Science 4482A/B, Computer Science 4483A/B.

Some technical electives may not be offered in a given academic year.

Schulich School of Medicine & Dentistry and Faculty of Science

DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE

Module Revision – Effective September 1, 2022, the following change(s) be made:

HONOURS SPECIALIZATION IN MEDICAL BIOINFORMATICS

Admission Requirements

No changes

Module

11.0 courses:

0.5 course: Biochemistry 2280A.

1.0 course: Biology 2382A/B, Biology 2581A/B.

0.5 course from: Biology 2244A/B, Statistical Sciences 2244A/B, Statistical Sciences 2858A/B.

0.5 course: Computer Science 2120A/B. If Computer Science 1026A/B was taken, an additional half course must be taken from the picklists of modular courses numbered 2000 and above to replace Computer Science 2120A/B.

0.5 course: Computer Science 2121A/B

0.5 course from: Mathematics 1229A/B, Mathematics 1600A/B.

0.5 course from: Data Science 2000A/B, Statistical Sciences 2857A/B.

0.5 course from: Computer Science 3120A/B, Computer Science 3121A/B.

0.5 course: Medical Bioinformatics 3100A/B.

1.0 course: Pathology 3500, or the former Pathology 3240A and the former Pathology 3245B.

1.0 course: Physiology 3120.

1.0 course from: Anatomy and Cell Biology 2200A/B, Anatomy and Cell Biology 3309, Biochemistry 3385B, Epidemiology 2200A/B, Medical Biophysics 3503G, Medical Biophysics 3505F, Microbiology and Immunology 2500A/B, Pharmacology 3620.

0.5 course from: Computer Science 4411A/B, Data Science 3000A/B, Biology 4289A/B, One Health 4100F/G, the former Computer Science 4414A/B.

1.0 course from: **Medical Bioinformatics 4650F/G**, Medical Bioinformatics 4750F/G or Microbiology and Immunology 4750F/G, Medical Bioinformatics 4850G.

1.5 courses: Medical Bioinformatics 4980E (Research Project = 1.5 courses)

Notes:

1. Students planning to take Statistical Sciences 2857A/B should note that this course requires either Calculus 1301A/B with a minimum mark of 85% or Calculus 1501A/B with a minimum mark of 60% as the prerequisite.

2. Students planning to take Data Science 3000A/B should note that this course requires Mathematics 1600A/B as the prerequisite.
3. See the Weighted Average Chart (MODULES OFFERED IN THE BMSc PROGRAM) for information about admission to the Honours Specialization modules in Year 4, including which modular courses must be completed prior to Year 4.

COURSE CHANGES

Faculty of Arts and Humanities

DEPARTMENT OF LANGUAGES AND CULTURES

Course Introduction – Effective September 1, 2022, the following course be introduced:

ITALIAN 2244A/B

Italy: Images, Sounds, and Words Throughout the Ages

Short Title: Italy: Images, Sounds, Words

Italy is a place that conjures up a striking variety of images, ideas, and stereotypes. Focusing on this complex multiplicity, we will examine the historical role that different forms of artistic and cultural production – art, cinema, literature, music – have played in shaping Italy’s iconic status and unique appeal.

Extra Information: Taught in English. Select coursework in Italian for students enrolled in Italian modules. 2 hours.

Course Weight: 0.5

Course Introduction – Effective September 1, 2022, the following course be introduced:

ITALIAN 2245F/G

Ocean Crossings and New Beginnings: The Italian-Canadian Experience in Images and Words

Short Title: Italian-Canadian Experience

Explore how filmmakers and writers have narrated the Italian-Canadian experience, from the anguish and hope in leaving the *paese*, to the hardships and successes in the new homeland. Reflect on the tug-of-war between retaining one’s own comforting traditions and accepting the changes imposed by the encounter with the “other.”

Extra Information: Taught in English. Select coursework in Italian for students enrolled in Italian modules. 2 hours.

Course Weight: 0.5

Course Introduction – Effective September 1, 2022, the following course be introduced:

ITALIAN 2246A/B

Montessori: International Women’s Networks and an Educational Method

Short Title: International Women’s Networks

This course dives into a cosmopolitan intellectual milieu of the turn-of-the-century, where science and religion cross paths and millionaire philanthropists support educators. Learn how the social discourse nourished by noble women, the LGBTQ+ community, religious figures, artists, and women’s rights activists empowered the birth of Dr. Maria Montessori’s pedagogical method.

Extra Information: Taught in English. Select coursework in Italian for students enrolled in Italian modules. 2 hours.

Course Weight: 0.5

Course Introduction – Effective September 1, 2022, the following course be introduced:

ITALIAN 2247F/G

Dante’s *Divine Comedy*: A Journey through Inferno, Purgatory, and Paradise

Short Title: Dante’s *Divine Comedy*

Follow Dante Alighieri as he explores the otherworld in the *Divine Comedy*. Travel through medieval ideas of Hell, Purgatory, and Paradise. Read about sins and infernal punishments, deserving deeds, and paradisaic rewards. This course introduces you to the reading of one of the most famous literary texts of all times.

Extra Information: Taught in English. Select coursework in Italian for students enrolled in Italian modules. 2 hours.

Course weight: 0.5

Course Introduction – Effective September 1, 2022, the following course be introduced:

ITALIAN 3330F/G

Cultures of Italy

Students will build on foundations in reading, writing, and researching in Italian through case studies concerning arts, literature, language, history, and identity. Focus on the distinctive traits of Italian cultures and their place in a global context.

Pre-requisite: Italian 2200 (or Italian 2202X) or permission of the Department.

Anti-requisite: Italian 2215 F/G.

Extra Information: 3 hours.

Course Weight: 0.50.

Course Revision – Effective September 1, 2022, the following change(s) be made:

**ITALIAN 3600F/G/Z
Internship in Italian**

The Academic Internship is a 0.5 credit internship with a minimum of 60 hours. The internship will require students to make connections with academic study while undertaking supervised duties in organizations, businesses, or community groups with interests related to Italian.

Prerequisite(s): ~~Permission of the Department,~~ Italian 2200 (or Italian 2202X), ~~and Intercultural Communications 2200F/G~~ and permission of the Department.

Registration in the ~~third or fourth year of a module~~ Major in Italian, with a minimum cumulative modular average of 75%. Approval of, and acceptance into, an internship placement.

~~Pre- or Corequisite(s): Students must have completed or be completing the required courses and at least 50% of the module.~~

Extra Information: Pass or Fail. Students accepted for an internship will arrange individual programs with supervising faculty. The student is required to a) maintain a suitable level of performance in the position as verified by the employer through evaluations and b) submit a midterm as well as and a final report, demonstrating how the experience gained through the internship relates to his/her coursework and program of study.

Course Weight: 0.50

Course Withdrawals – Effective September 1, 2022, the following courses be withdrawn:

Italian 2215F/G Exploring Italian Culture
Italian 2243A/B Italian Opera: Words in Music
Italian 2267F/G Special Topics in Italian Literature and Culture
Italian 2284A/B Special Topics in Italian
Italian 3363F/G Special Topics in Italian Literature and Culture
Italian 4400A/B Fourth-Year Italian: Language, History and Culture
Italian 4401F/G Research Seminar
Italian 4402F/G Research Seminar
Italian 4403F/G Research Seminar
Italian 4404F/G Research Seminar
Italian 4406F/G Research Seminar
Italian 4492F/G Independent Study
Italian 4493F/G Independent Study
Italian 4494F/G Independent Study

Course suffix revision – Effective September 1, 2022, the following change(s) be made:

The following Spanish courses be changed from A/B to F/G designations:

Spanish 2908
Spanish 2911
Spanish 2956
Spanish 2957

Faculty of Engineering

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Course revision – Effective September 1, 2022, the following change(s) be made:

Software Engineering 4430A/B

Introduction to Computer Networking, Security & IoT Systems:

Short Title: Intro to Net, Sec & IoT Sys

~~SE 4430 covers the principle~~ **Principles** of computer networking; ~~network architecture/layers and protocols, IoT networks & systems, IoT network/protocols,~~ **security, and** ~~and its connections,~~ connections of things to cloud services; ~~collecting data in an end-to-end IoT systems, and network security. The course emphasizes~~ **with an emphasis on** the ~~practical~~ ability to interface and collect data from things and move ~~the data collected~~ **them** securely through the ~~Internet~~ **internet** to process ~~them~~ in public and private data centers.

Antirequisite(s): ECE 4436A/B

Prerequisite(s): ~~ES~~ **Engineering Science** 1036A/B, ~~SE~~ **Software Engineering** 2205A/B

~~Pre-or Corequisite(s): *DS 3100A/B can be taken as co-requisite.~~

Extra Information: 3 lecture hours/week, 3 lab hour/week, 0.5 course

Course withdrawal – Effective September 1, 2022, the following course be withdrawn:

Software Engineering 4460A/B: Machine Learning Fundamentals and Design for Engineers

Faculty of Health Sciences

Course revision – Effective September 1, 2022, the following change(s) be made:

HEALTH SCIENCES 2801A/B

Research Methods in Health Sciences

An introduction to the design of health sciences research, providing students with knowledge relevant to the planning and evaluation of research in both laboratory and applied settings.

Antirequisite(s): Kinesiology 2032A/B, Psychology 2800E **or Psychology 2801F/G** or Psychology 2820E or Psychology 2840F/G, or Sociology 2206A/B, or Social Work 2205.

Prerequisite(s): Minimum of 60% [mandatory] in each of Health Sciences 1001A/B and Health Sciences 1002A/B.

Extra Information: 2 lecture hours, 1 laboratory hour.

Course Weight: 0.50

Brescia University College

Course revision – Effective September 1, 2022, the following change(s) be made:

SOCIOLOGY 3334A/B

Community Practicum

Under the **joint** supervision of a **faculty member and a** community practitioner, students will **apply** **explore the practice of community development. Students will cultivate their skills in program diagnosis, problem solving and community building initiatives by applying** their academic knowledge **during** ~~to real-world settings with~~ placements in the community.

Prerequisite(s): Sociology 3330F/G and enrolment in a Community Development module, a Nonprofit Management module, the Certificate in Community Development, or permission of the instructor.

Extra Information: ~~7~~ **8** hours per week.

Course Weight: 0.50