



The following proposals, received on DAP between the dates listed below, have been approved.

DAP Submission Period: February 1-15, 2021

DAP Approval Date: March 01, 2021

[For more information on the DAP process, see the Secretariat's website.](#)

Approval Route: DAP

Faculty of Arts and Humanities

PHILOSOPHY

Effective September 1, 2021, the following change(s) be made: Module Revision.

HONOURS SPECIALIZATION IN PHILOSOPHY

Module

9.0 courses:

0.5 course from: Philosophy 2260F/G, Philosophy 2265A/B, Philosophy 2400F/G, Philosophy 2500F/G.

1.5 course: Philosophy 2200F/G, Philosophy 2202F/G, Philosophy 2700F/G.

1.0 course in Logic from: Philosophy 2020, Philosophy 2250 or Philosophy 2252W/X and an additional 0.5 course in Philosophy at the 2200 level or above.

1.0 course in History of Philosophy from: Philosophy 2200F/G, Philosophy 2202F/G, Philosophy 3003F/G, Philosophy 3006F/G, Philosophy 3012F/G, Philosophy 3020F/G, Philosophy 3022F/G, Philosophy 3023F/G, Philosophy 3024F/G, Philosophy 3026F/G, Philosophy 3027F/G, Philosophy 3028F/G, Philosophy 3030F/G, Philosophy 3031F/G, Philosophy 3032F/G, Philosophy 3033F/G, Philosophy 3170F/G, Philosophy 4007F/G, Philosophy 4023F/G, Philosophy 4035F/G, Philosophy 4045F/G, Philosophy 4050F/G or Philosophy 4107F/G.

2.0 additional courses in Philosophy at the 2200 level or above

0.5 course from: Philosophy 3260F/G, Philosophy 3410F/G, Philosophy 3501F/G, Philosophy 3601F/G, the former Philosophy 3500E (King's).

0.5 1.0 course in Ethics, Politics and Law from: Philosophy 2062F/G, Philosophy 2700F/G, Philosophy 2800F/G, Philosophy 2801F/G, Philosophy 2821F/G, Philosophy 3170F/G, Philosophy 3180F/G, Philosophy 3435F/G, Philosophy 3700E (King's), Philosophy 3710F/G, or Philosophy 3720F/G or Philosophy 3810F/G.

1.0 course in Knowledge, Representation and Reality from: Philosophy 2037F/G, Philosophy 2044F/G, Philosophy 2050F/G, Philosophy 2061F/G, Philosophy 2253A/B, Philosophy 2260F/G, Philosophy 2265A/B, Philosophy 2300F/G, Philosophy 2350F/G, Philosophy 2400F/G, Philosophy 2410F/G, Philosophy 2500F/G, Philosophy 2661F/G, Philosophy 3040F/G, Philosophy 3260F/G, Philosophy 3270F/G, Philosophy 3340F/G, Philosophy 3410F/G, Philosophy 3420F/G, Philosophy 3430F/G, Philosophy 3450F/G, Philosophy 3501F/G, Philosophy 3601F/G, Philosophy 4210F/G, Philosophy 4410F/G, Philosophy 4510F/G or Philosophy 4610F/G.

0.5 course in Equity, Diversity, and Inclusion from: Philosophy 2062F/G, Philosophy 2077F/G, Philosophy 2355F/G, Philosophy 2664F/G, Philosophy 2810F/G, Philosophy 3031F/G, Philosophy 3555F/G, Philosophy 3810F/G, Philosophy 3830F/G, Philosophy 4107F/G, Philosophy 4311F/G, Philosophy 4331F/G, Philosophy 4530F/G, Philosophy 4730F/G, Philosophy 4750F/G or Philosophy 4751F/G. Additional special topics courses to be announced annually; special permission for appropriate courses offered outside the department will be considered.

0.5 Honours Capstone course from: Philosophy 4900F/G or Philosophy 4901F/G.

0.5 course from: Philosophy 3003F/G, Philosophy 3006F/G, Philosophy 3012F/G, Philosophy 3014F/G, Philosophy 3020F/G, Philosophy 3022F/G, Philosophy 3023F/G, Philosophy 3024F/G, Philosophy 3026F/G, Philosophy 3027F/G, Philosophy 3028F/G, Philosophy 3110F/G or Philosophy 4050F/G.

2.5 4.0 additional courses in Philosophy at the 3000 2000 level or above higher.

Note: At least 4.0 of the 9.0 must be at the 3000 level or higher.

Note: Students using the former Philosophy 3500E and/or Philosophy 3700E to meet module requirements may reduce the 2.5 additional courses in Philosophy at the 3000 level or above accordingly.

Effective September 1, 2021, the following change(s) be made: Module Revision.

MAJOR IN PHILOSOPHY

Module

6.0 courses:

2.0 courses **0.5 course in History of Philosophy** from: Philosophy 2020, Philosophy 2200F/G, Philosophy 2202F/G, Philosophy 2250**, Philosophy 2500F/G*, Philosophy 2700F/G, Philosophy 3003F/G, Philosophy 3006F/G, Philosophy 3012F/G, Philosophy 3020F/G, Philosophy 3022F/G, Philosophy 3023F/G, Philosophy 3024F/G, Philosophy 3026F/G, Philosophy 3027F/G, Philosophy 3028F/G, Philosophy 3030F/G, Philosophy 3031F/G, Philosophy 3032F/G, Philosophy 3033F/G, Philosophy 3170F/G, Philosophy 4007F/G, Philosophy 4023F/G, Philosophy 4035F/G, Philosophy 4045F/G, Philosophy 4050F/G or Philosophy 4107F/G.

0.5 course in Ethics, Politics, and Law from: Philosophy 2062F/G, Philosophy 2700F/G, Philosophy 2800F/G, Philosophy 2801F/G, Philosophy 2821F/G, Philosophy 3170F/G, Philosophy 3180F/G, Philosophy 3435F/G, Philosophy 3710F/G, Philosophy 3720F/G or Philosophy 3810F/G.

0.5 course in Knowledge, Representation, and Reality from: Philosophy 2037F/G, Philosophy 2044F/G, Philosophy 2050F/G, Philosophy 2061F/G, Philosophy 2253A/B, Philosophy 2260F/G, Philosophy 2265A/B, Philosophy 2300F/G, Philosophy 2350F/G, Philosophy 2400F/G, Philosophy 2410F/G, Philosophy 2500F/G, Philosophy 2661F/G, Philosophy 3040F/G, Philosophy 3260F/G, Philosophy 3270F/G, Philosophy 3340F/G, Philosophy 3410F/G, Philosophy 3420F/G, Philosophy 3430F/G, Philosophy 3450F/G, Philosophy 3501F/G, Philosophy 3601F/G, Philosophy 4210F/G, Philosophy 4410F/G, Philosophy 4510F/G or Philosophy 4610F/G.

0.5 course in Equity, Diversity, and Inclusion from: Philosophy 2062F/G, Philosophy 2077F/G, Philosophy 2355F/G, Philosophy 2664F/G, Philosophy 2810F/G, Philosophy 3031F/G, Philosophy 3555F/G, Philosophy 3810F/G, Philosophy 3830F/G, Philosophy 4107F/G, Philosophy 4311F/G, Philosophy 4331F/G, Philosophy 4530F/G, Philosophy 4730F/G, Philosophy 4750F/G or Philosophy 4751F/G. Additional special topics courses to be announced annually; special permission for appropriate courses offered outside the department will be considered.

1.0 **4.0 additional courses** in Philosophy at the **2200** **2000** level or above.

3.0 additional courses in Philosophy at the 3000 level or above.

Note: At least 3.0 of the 6.0 must be at the 3000 level or higher.

*Philosophy 2260F/G or Philosophy 2400F/G may be substituted for Philosophy 2500F/G.

** Philosophy 2252W/X may be substituted for Philosophy 2250.

Effective September 1, 2021, the following change(s) be made: Module Revision.

SPECIALIZATION IN PHILOSOPHY

Module

9.0 courses:

2.0 courses* **1.0 course in History of Philosophy** from: Philosophy 2020, Philosophy 2200F/G, Philosophy 2202F/G, Philosophy 2250, Philosophy 2500F/G, Philosophy 2700F/G, Philosophy 3003F/G, Philosophy 3006F/G, Philosophy 3012F/G, Philosophy 3020F/G, Philosophy 3022F/G, Philosophy 3023F/G, Philosophy 3024F/G, Philosophy 3026F/G, Philosophy 3027F/G, Philosophy 3028F/G, Philosophy 3030F/G, Philosophy 3031F/G, Philosophy 3032F/G, Philosophy 3033F/G, Philosophy 3170F/G, Philosophy

4007F/G, Philosophy 4023F/G, Philosophy 4035F/G, Philosophy 4045F/G, Philosophy 4050F/G or Philosophy 4107F/G.

3.0 additional courses in Philosophy at the 2200 level or above.

0.5 1.0 course in Ethics, Politics and Law from: Philosophy 2062F/G, Philosophy 2700F/G, Philosophy 2800F/G, Philosophy 2801F/G, Philosophy 2821F/G, Philosophy 3170F/G, Philosophy 3180F/G, Philosophy 3435F/G, Philosophy 3700E (King's), Philosophy 3710F/G, or Philosophy 3720F/G or Philosophy 3810F/G.

0.5 1.0 course in Knowledge, Representation and Reality from: Philosophy 2037F/G, Philosophy 2044F/G, Philosophy 2050F/G, Philosophy 2061F/G, Philosophy 2253A/B, Philosophy 2260F/G, Philosophy 2265A/B, Philosophy 2300F/G, Philosophy 2350F/G, Philosophy 2400F/G, Philosophy 2410F/G, Philosophy 2500F/G, Philosophy 2661F/G, Philosophy 3040F/G, Philosophy 3260F/G, Philosophy 3270F/G, Philosophy 3340F/G, Philosophy 3410F/G, Philosophy 3420F/G, Philosophy 3430F/G, Philosophy 3450F/G, Philosophy 3501F/G, Philosophy 3510F/G (Huron), Philosophy 3601F/G, or the former Philosophy 3500E (King's) Philosophy 4210F/G, Philosophy 4410F/G, Philosophy 4510F/G or Philosophy 4610F/G.

0.5 course in Equity, Diversity, and Inclusion from: Philosophy 2062F/G, Philosophy 2077F/G, Philosophy 2355F/G, Philosophy 2664F/G, Philosophy 2810F/G, Philosophy 3031F/G, Philosophy 3555F/G, Philosophy 3810F/G, Philosophy 3830F/G, Philosophy 4107F/G, Philosophy 4311F/G, Philosophy 4331F/G, Philosophy 4530F/G, Philosophy 4730F/G, Philosophy 4750F/G or Philosophy 4751F/G. Additional special topics courses to be announced annually; special permission for appropriate courses offered outside the department will be considered.

0.5 course from: Philosophy 3003F/G, Philosophy 3006F/G, Philosophy 3012F/G, Philosophy 3014F/G, Philosophy 3020F/G, Philosophy 3022F/G, Philosophy 3023F/G, Philosophy 3024F/G, Philosophy 3026F/G, Philosophy 3027F/G, Philosophy 3028F/G, Philosophy 3110F/G or Philosophy 4050F/G.

5.5 additional courses in Philosophy at the 2000 level or above.

2.5 additional courses in Philosophy at the 3000 level or above.

Note: At least 4.0 of the 9.0 must be at the 3000 level or higher.

* Philosophy 2260F/G or Philosophy 2400F/G may be substituted for Philosophy 2500F/G. Philosophy 2252W/X may be substituted for Philosophy 2250.

Note: Students using the former Philosophy 3500E and/or Philosophy 3700E to meet module requirements may reduce the 2.5 additional courses in Philosophy at the 3000 level or above accordingly.

Faculty of Engineering

MECHANICAL AND MATERIALS ENGINEERING

Effective September 1, 2021, the following change(s) be made: Program Revision.

B. MECHANICAL ENGINEERING/LAW

Engineering Common First Year Program

Full-year courses: Engineering Science 1050, Business Administration 1299E.

Full-year half course: Engineering Science 1022A/B/Y.

Half-year courses: Applied Mathematics 1411A/B, Applied Mathematics 1412A/B, Applied Mathematics 1414A/B, Chemistry 1302A/B, Engineering Science 1021A/B, Engineering Science 1036A/B, Physics 1401A/B and Physics 1402A/B.

(two of the half courses are taken in each term as scheduled)

Second Year Program

Applied Mathematics 2270A/B, Applied Mathematics 2276A/B, MME 2200Q/R/S/T, MME

2202A/B, MME 2204A/B, MME 2213A/B, MME 2221A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Statistical Sciences 2143A/B, Writing 2130F/G.

Third Year Program

Applied Mathematics 3413A/B, ECE 3374A/B, MME 3303A/B, MME 3307A/B, MME 3325A/B, MME 3334A/B, MME 3350A/B, MME 3360A/B, MME 3379A/B, MME 3380A/B, MME 3381A/B.

Fourth Year Program

First year Law curriculum. No courses outside Law may be taken during this year.

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Effective September 1, 2021, the following change(s) be made: Program Revision.

D. MECHANICAL ENGINEERING/HBA

Engineering Common First Year Program

Full-year courses: Engineering Science 1050, Business Administration 1299E.

Full-year half course: Engineering Science 1022A/B/Y.

Half-year courses: Applied Mathematics 1411A/B, Applied Mathematics 1412A/B, Applied Mathematics 1414A/B, Chemistry 1302A/B, Engineering Science 1021A/B, Engineering Science 1036A/B, Physics 1401A/B and Physics 1402A/B.

(two of the half courses are taken in each term as scheduled)

Second Year Program

Applied Mathematics 2270A/B, Applied Mathematics 2276A/B, MME 2200Q/R/S/T, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2221A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Business Administration 2257.

Third Year Program

The third year of the undergraduate program in Business Administration consists of an integrated set of courses (7.5 courses) designed to give a basic understanding of the functions and the interrelationships of the major areas of management, as well as to develop problem-solving and action-planning skills.

All students will take: Business Administration 3300K, Business Administration 3301K, Business Administration 3302K, Business Administration 3303K, Business Administration 3304K, Business Administration 3311K, Business Administration 3316K, Business Administration 3321K, Business Administration 3322K, Business Administration 3323K.

Fourth Year Program

Applied Mathematics 3413A/B, ECE 3374A/B, MME 3303A/B, MME 3307A/B, MME 3325A/B, MME 3350A/B, MME 3360A/B, MME 3379A/B, MME 3380A/B, MME 3381A/B, Statistical Sciences 2143A/B.

Applied Project Requirement: Business Administration 4569.

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Effective September 1, 2021, the following change(s) be made: Program Revision.

A. MECHANICAL ENGINEERING OPTION

Second Year Program

Applied Mathematics 2270A/B, Applied Mathematics 2276A/B, MME 2200Q/R/S/T, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2221A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Statistical Sciences 2143A/B, Writing 2130F/G.

Third Year Program

Applied Mathematics 3413A/B, ECE 3374A/B, MME 3303A/B, MME 3307A/B, MME

3325A/B, MME 3334A/B, MME 3350A/B, MME 3360A/B, MME 3379A/B, MME 3380A/B, MME 3381A/B.

Fourth Year Program

ES 4498F/G, MME 4499. 1.5 non-technical elective*.

Five of the following technical electives: MME 4410, MME 4423A/B, MME 4424A/B, MME 4425A/B, MME 4427A/B, MME 4428A/B, MME 4429A/B, MME 4435A/B, MME 4437A/B, MME 4450A/B, MME 4452A/B, MME 4453A/B, MME 4459A/B, MME 4460A/B, MME 4469A/B, MME 4470A/B, MME 4473A/B, MME 4474A/B, MME 4475A/B, MME 4480A/B, MME 4482A/B, MME 4483A/B, MME 4485A/B, MME 4487A/B, MME 4490A/B, MME 4492A/B.

Effective September 1, 2021, the following change(s) be made: Program Revision.

F. MECHANICAL ENGINEERING AND BIOMEDICAL ENGINEERING

Engineering Common First Year Program

Full-year courses: Engineering Science 1050, Business Administration 1299E.

Full-year half course: Engineering Science 1022A/B/Y.

Half-year courses: Applied Mathematics 1411A/B, Applied Mathematics 1412A/B, Applied Mathematics 1414A/B, Chemistry 1302A/B, Engineering Science 1021A/B, Engineering Science 1036A/B, Physics 1401A/B and Physics 1402A/B.

(Three of the half courses are taken in each term as scheduled.)

Second Year Program

Applied Mathematics 2270A/B, Applied Mathematics 2276A/B, BME 3201A/B, MME 2200Q/R/S/T, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2221A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Statistical Sciences 2143A/B, Writing 2130F/G.

Third Year Program

Applied Mathematics 3413A/B, Biology 1001A, Biology 1002B, MME 3303A/B, MME 3307A/B, MME 3325A/B, MME 3350A/B, MME 3360A/B, MME 3379A/B, MME 3380A/B, MME 3381A/B, ECE 3374A/B, 0.5 non-technical elective.

Fourth Year Program

Biochemistry 2280A, BME 3301A/B, BME 3303A/B, ECE 4455A/B, MME 4469A/B, Physiology 2130, 1.5 Biomedical Sciences Electives, 1.0 Healthcare Non-technical Electives, 0.5 open elective.

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SCHOOL OF BIOMEDICAL ENGINEERING

Effective September 1, 2021, the following change(s) be made: Program Revision.

D. MECHATRONIC SYSTEMS ENGINEERING AND BIOMEDICAL ENGINEERING

Engineering Common First Year Program

Full-year courses: Engineering Science 1050, Business Administration 1299E.

Full-year half course: Engineering Science 1022A/B/Y.

Half-year courses: Applied Mathematics 1411A/B, Applied Mathematics 1412A/B, Applied Mathematics 1414A/B, Chemistry 1302A/B, Engineering Science 1021A/B, Engineering Science 1036A/B, Physics 1401A/B and Physics 1402A/B.

(Three of the half courses are taken in each term as scheduled.)

Second Year Program

Applied Mathematics 2270A/B, Applied Mathematics 2276A/B, BME 3201A/B, Computer

Science 1037A/B, ECE 2205A/B, MSE 2200Q/R/S/T, MSE 2201A/B, MSE 2202A/B, MSE 2212A/B, MSE 2213A/B, MSE 2214A/B, MSE 2233A/B, MSE 2273A/B, Writing 2130F/G.

Third Year Program

Applied Mathematics 3415A/B, Biology 1001A, Biology 1002B, ECE 2277A/B, ECE 3330A/B, ECE 3331A/B, ECE 3375A/B, MSE 3301A/B, MSE 3302A/B, MSE 3310A/B, MSE 3360A/B, MSE 3380A/B, MSE 3381A/B.

Fourth Year Program

Biochemistry 2280A, BME 3301A/B, BME 3303A/B, ECE 4455A/B, MME 4469A/B, Physiology 2130, Statistical Sciences 2141A/B, 1.5 biomedical sciences electives, 1.0 healthcare non-technical electives.

Fifth Year Program

BME 4400, ECE 4445A/B, Engineering Science 3330A/B, Engineering Science 4498F/G, MSE 4401A/B, MSE 4499, 1.0 BME technical electives, 0.5 MSE technical elective, 0.5 non-technical elective.

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Effective September 1, 2021, the following change(s) be made: Program Revision.

F. CHEMICAL ENGINEERING AND BIOMEDICAL ENGINEERING

Engineering Common First Year Program

Full-year courses: Engineering Science 1050, Business Administration 1299E.

Full-year half course: Engineering Science 1022A/B/Y.

Half-year courses: Applied Mathematics 1411A/B, Applied Mathematics 1412A/B, Applied Mathematics 1414A/B, Chemistry 1302A/B, Engineering Science 1021A/B, Engineering Science 1036A/B, Physics 1401A/B and Physics 1402A/B.

(Three of the half courses are taken in each term as scheduled.)

Second Year Program

Applied Mathematics 2270A/B, Applied Mathematics 2277A/B, BME 3201A/B, CBE 2206A/B, CBE 2207A/B, CBE 2214A/B, CBE 2220A/B, CBE 2221A/B, CBE 2224A/B, CBE 2290A/B, CBE 2291A/B, Statistical Sciences 2143A/B, Writing 2130F/G.

Third Year Program

Biology 1001A, Biology 1002B, CBE 3307A/B, CBE 3310A/B, CBE 3315A/B, CBE 3316A/B, CBE 3318A/B, CBE 3319A/B, CBE 3322A/B, CBE 3323A/B, CBE 3324A/B, CBE 3395Y, 0.5 non-technical elective.

Fourth Year Program

Biochemistry 2280A, BME 3301A/B, BME 3303A/B, ECE 4455A/B, MME 4469A/B, Physiology 2130, 1.5 Biomedical Sciences Electives, 1.0 Healthcare Non-technical Electives, 0.5 open elective.

Fifth Year Program

BME 4400, CBE 4421A/B, CBE 4497, Engineering Science 3330A/B, Engineering Science 4498F/G, 1.0 BME technical electives, 1.0 CBE technical electives.

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Effective September 1, 2021, the following change(s) be made: Program Revision.

F. MECHANICAL ENGINEERING AND BIOMEDICAL ENGINEERING

Engineering Common First Year Program

Full-year courses: Engineering Science 1050, Business Administration 1299E.

Full-year half course: Engineering Science 1022A/B/Y.
Half-year courses: Applied Mathematics 1411A/B, Applied Mathematics 1412A/B, Applied Mathematics 1414A/B, Chemistry 1302A/B, Engineering Science 1021A/B, Engineering Science 1036A/B, Physics 1401A/B and Physics 1402A/B.
(Three of the half courses are taken in each term as scheduled.)

Second Year Program

Applied Mathematics 2270A/B, Applied Mathematics 2276A/B, BME 3201A/B, MME 2200Q/R/S/T, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2221A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Statistical Sciences 2143A/B, Writing 2130F/G.

Third Year Program

Applied Mathematics 3413A/B, Biology 1001A, Biology 1002B, MME 3303A/B, MME 3307A/B, MME 3350A/B, MME 3360A/B, MME 3379A/B, MME 3380A/B, MME 3381A/B, ECE 3374A/B, 0.5 non-technical elective.

Fourth Year Program

Biochemistry 2280A, BME 3301A/B, BME 3303A/B, ECE 4455A/B, MME 4469A/B, Physiology 2130, 1.5 Biomedical Sciences Electives, 1.0 Healthcare Non-technical Electives, 0.5 open elective.

Fifth Year Program

BME 4400, MME 3334A/B, MME 4499, Engineering Science 3330A/B, Engineering Science 4498F/G, 1.5 BME Technical Electives, 1.0 MME Technical Electives.

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Effective September 1, 2021, the following change(s) be made: Program Revision.

H. ELECTRICAL ENGINEERING AND BIOMEDICAL ENGINEERING

Engineering Common First Year Program

Full-year courses: Engineering Science 1050, Business Administration 1299E.
Full-year half course: Engineering Science 1022A/B/Y.
Half-year courses: Applied Mathematics 1411A/B, Applied Mathematics 1412A/B, Applied Mathematics 1414A/B, Chemistry 1302A/B, Engineering Science 1021A/B, Engineering Science 1036A/B, Physics 1401A/B and Physics 1402A/B.
(Three of the half courses are taken in each term as scheduled.)

Second Year Program

Applied Mathematics 2270A/B, Applied Mathematics 2276A/B, BME 3201A/B, Computer Science 1027A/B, ECE 2205A/B, ECE 2231A/B, ECE 2233A/B, ECE 2236A/B, ECE 2240A/B, ECE 2242A/B, ECE 2277A/B, Writing 2130F/G, 0.5 non-technical elective.

Third Year Program

Applied Mathematics 3415A/B, Biology 1001A, Biology 1002B, ECE 3330A/B, ECE 3331A/B, ECE 3332A/B, ECE 3336A/B, ECE 3337A/B, ECE 3370A/B, ECE 3375A/B, ECE 3399A/B, Statistical Sciences 2141A/B.

Fourth Year Program

Biochemistry 2280A, BME 3301A/B, BME 3303A/B, ECE 4455A/B, MME 4469A/B, Physiology 2130, 1.5 Biomedical Sciences Electives, 1.0 Healthcare Non-technical Electives, 0.5 open elective.

Fifth Year Program

BME 4400, ECE 4416, ECE 4429A/B, ECE 4437A/B, ECE 4445A/B, Engineering Science 3330A/B, Engineering Science 4498F/G, 1.0 BME Technical Electives, 0.5 ECE Technical Elective.

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Faculty of Social Science

ECONOMICS

Effective September 1, 2021, the following change(s) be made: Module Revision.

HONOURS SPECIALIZATION IN POLITICS, PHILOSOPHY AND ECONOMICS - ECONOMICS (PPE-E)

Module

9.0 Courses:

0.5 course: Politics, Philosophy, and Economics 2200F/G (normally taken in the first year of the module).

2.0 courses: Economics 2222A/B, Economics 2223A/B, Economics 2260A/B, Economics 2261A/B* (normally taken in the first year of the module).

1.0 course: Political Science 2237E Political Science 2537F/G and Political Science 2325F/G.

1.0 course: Philosophy 2700F/G (recommended), Philosophy 2200F/G, Philosophy 2202F/G or Philosophy 2500F/G.

1.0 course: Politics, Philosophy, and Economics 4100E.

3.5 courses numbered 2200 or higher from at least two of the three PPE disciplines (Philosophy, Political Science, and Economics). At least 2.0 of these 3.5 courses must be numbered 3000 and higher. Students are advised to consider taking Economics 2220A/B and Economics 2221A/B in either their second or third year as many 3000-level Economics courses require them as prerequisites.

Students are advised to consult the Undergraduate Office in the Department of Economics for more detailed information about the module.

*Students who have taken a 1.0 or 0.5 credit course in introductory statistics at the 2100 level or higher in the Department of Statistical and Actuarial Sciences can substitute that course for Economics 2222A/B towards the module requirements (exception: if the statistics course is being used in another module, no credit overlap is allowed, and students are required to replace Economics 2222A/B with another 0.5 course in Economics at the 2200 level or higher). Students who have completed any other introductory statistics course listed as an antirequisite to Economics 2222A/B must replace Economics 2222A/B with 0.5 course in Economics at the 2200 or 3000 level.

Courses counted towards this module may not be counted towards another module. If you are interested in adding a second module that requires overlapping courses, consult the department about how that issue can be resolved.

Note: Many of the intermediate and upper level courses that can count towards this module have prerequisites. Students should carefully plan their programs of study accordingly.

Effective September 1, 2021, the following change(s) be made: Program Revision.

HONOURS SPECIALIZATION IN POLITICS, PHILOSOPHY AND ECONOMICS - ECONOMICS CONCENTRATION (PPE-E)/HBA

Year 2

5.0 courses:

0.5 course: Politics, Philosophy, and Economics 2200F/G.

2.0 courses: Economics 2222A/B, Economics 2223A/B, Economics 2260A/B, Economics

2261A/B.

1.0 course from the following:

1.0 course: Political Science 2237E Political Science 2537F/G and Political Science 2325F/G.

1.0 course from: Philosophy 2700F/G (recommended), Philosophy 2200F/G, Philosophy 2202F/G or Philosophy 2500F/G.

1.0 course: Business Administration 2257.

0.5 additional course.

Year 3 (HBA1)

The third year of the undergraduate program in Business Administration consists of an integrated set of courses (7.5 courses) designed to give a basic understanding of the functions and the interrelationships of the major areas of management, as well as to develop problem-solving and action-planning skills.

All students will take: Business Administration 3300K, Business Administration 3301K, Business Administration 3302K, Business Administration 3303K, Business Administration 3304K, Business Administration 3311K, Business Administration 3316K, Business Administration 3321K, Business Administration 3322K, Business Administration 3323K. No substitute for any of the above courses is permitted under any circumstances.

Years 4 and 5: HBA Requirements (Requirements can be taken over Year 4 or 5, except Business Administration 4569 must be taken in Year 4).

5.5 courses:

0.5 course: International Perspective Requirement: Business Administration 4505A/B.

0.5 course: Corporations and Society Perspective Requirement: at least one 0.5 course from Business Administration - Corporations and Society designated electives offered during the academic year or other business elective as determined and approved by the HBA Program Director to satisfy this requirement.

0.5 course: Managerial Accounting Requirement: Business Administration 4624A/B.

1.0 course: Applied Project Requirement: Business Administration 4569.

3.0 additional business elective courses.

Years 4 and 5: PPE-E Requirements (Requirements can be taken over Year 4 or 5, except PPE 4100E must be taken in Year 5).

5.5 courses:

1.0 course: Politics, Philosophy, and Economics 4100E.

The remaining **1.0 course** from the following:

1.0 course: Political Science 2237E Political Science 2537F/G and Political Science 2325F/G.

1.0 course from: Philosophy 2700F/G (recommended), Philosophy 2200F/G, Philosophy 2202F/G or Philosophy 2500F/G.

3.5 courses numbered 2200 or higher from at least two of the three PPE disciplines (Philosophy, Political Science, and Economics).

At least 2.0 of these 3.5 courses must be numbered 3000 and higher. Students are advised to consider taking Economics 2220A/B and Economics 2221A/B in Year 4 as many 3000-level Economics courses require them as prerequisites.

Note: Students must take a 0.5 course overload in each of Year 4 and Year 5.

GEOGRAPHY AND ENVIRONMENT

Effective September 1, 2021, the following change(s) be made: Module Revision.

HONOURS SPECIALIZATION IN GEOGRAPHIC INFORMATION SCIENCE - BA

Module

10.0 courses:

0.5 course: Geography 2210A/B* (normally taken in Year 2).

1.5 courses: Geography 2220A/B, Geography 2230A/B, Geography 2240A/B.

1.0 course from: Geography 2310A/B, Geography 2320A/B, Geography 2330A/B, Geography 2410A/B, Geography 2411F/G, Geography 2420A/B, Geography 2430A/B, Geography 2460F/G, Geography 3250A/B.

1.5 courses normally taken in Year 3: Geography 3210A/B, Geography 3211A/B, Geography 3222A/B.

1.5 courses from: Computer Science 2034A/B, Computer Science 2120A/B, Geography 3223A/B, Geography 3224A/B, **Geography 3225A/B**, Geography 3231A/B, Geography 3414A/B, Geography 3421A/B, Geography 4220A/B.

0.5 course: Geography 4000A/B.

3.5 additional courses in Geography at the 3000 level or above, with Geography 3000Y or Geography 3001F/G strongly recommended. (Students wishing to pursue graduate studies are encouraged to take Geography 4900E or Geography 4901E.)

*In cases where an antirequisite statistics course has been taken instead, the module will be 9.5 courses.

This module may NOT be combined with other modules offered by the Geography Department.

Effective September 1, 2021, the following change(s) be made: Module Revision.

HONOURS SPECIALIZATION IN GEOGRAPHIC INFORMATION SCIENCE - BSc

Module

10.0 courses:

0.5 course: Geography 2210A/B* (normally taken in Year 2).

1.5 courses: Geography 2220A/B, Geography 2230A/B, Geography 2240A/B.

1.0 course from: Geography 2310A/B, Geography 2320A/B, Geography 2330A/B, Geography 2410A/B, Geography 2411F/G, Geography 2420A/B, Geography 2430A/B, Geography 2460F/G, Geography 3250A/B.

1.5 courses normally taken in Year 3: Geography 3210A/B, Geography 3211A/B, Geography 3222A/B.

1.5 courses from: Computer Science 2034A/B, Computer Science 2120A/B, Earth Sciences 3323A/B, Earth Sciences 3350Y, Geography 3223A/B, Geography 3224A/B, **Geography 3225A/B**, Geography 3231A/B, Geography 3414A/B, Geography 3421A/B, Geography 4220A/B.

0.5 course: Geography 4000A/B.

3.5 additional courses in Geography at the 3000 level or above, with Geography 3000Y or Geography 3001F/G strongly recommended. (Students wishing to pursue graduate studies are encouraged to take Geography 4901E).

*In cases where an antirequisite statistics course has been taken instead, the module will be 9.5 courses.

Notes:

1. To qualify for the BSc degree 11.0 Science and/or Science-equivalent courses are required.
2. The following Geography courses have "Science-equivalent" status and count towards

the 11.0 Faculty of Science course requirement for this module: Geography 2210A/B, Geography 2220A/B, Geography 2230A/B, Geography 2240A/B, Geography 2310A/B, Geography 2320A/B, Geography 2330A/B, Geography 3210A/B, Geography 3211A/B, Geography 3222A/B, Geography 3223A/B, Geography 3224A/B, Geography 3231A/B, Geography 3311A/B, Geography 3334A/B, Geography 3341A/B, Geography 3343A/B, Geography 3350A/B, Geography 3352A/B, Geography 4901E.

Effective September 1, 2021, the following change(s) be made: Module Revision.

MAJOR IN GEOGRAPHIC INFORMATION SCIENCE

Module

6.0 courses:

0.5 or 1.0* course from: Geography 2210A/B or any university-level statistics course at the 2000 level or above* (normally taken in Year 2).

1.5 courses from: Geography 2220A/B, Geography 2230A/B, Geography 2240A/B.

1.0 course from: Geography 2310A/B, Geography 2320A/B, Geography 2330A/B, Geography 2410A/B, Geography 2411F/G, Geography 2420A/B, Geography 2430A/B, Geography 2460F/G.

1.0 course from: Geography 3211A/B, Geography 3222A/B (normally taken in Year 3).

2.0 courses from: Computer Science 2034A/B, Computer Science 2120A/B, Geography 3210A/B, Geography 3223A/B, Geography 3224A/B, **Geography 3225A/B**, Geography 3231A/B, Geography 3414A/B, Geography 3421A/B, Geography 4220A/B.

*If a 1.0 course is taken, the module will consist of 6.5 courses.

Notes:

1. Honours degrees require two Major modules.
2. Combination with a Major module in Science or Basic Medical Sciences may allow graduation with a four-year BSc degree.
3. When taken within this module, the following Geography courses count towards meeting the requirement of 11.0 Science courses in a 4-Year BSc: Geography 2131A/B, Geography 2133A/B, Geography 2210A/B, Geography 2220A/B, Geography 2230A/B, Geography 2240A/B, Geography 2310A/B, Geography 2320A/B, Geography 2330A/B, Geography 3210A/B, Geography 3211A/B, Geography 3222A/B, Geography 3223A/B, Geography 3224A/B, Geography 3231A/B, Geography 3311A/B, Geography 3334A/B, Geography 3341A/B, Geography 3343A/B, Geography 3350A/B, Geography 3352A/B, Geography 4901E.

This module may NOT be combined with any Geography module.

Effective September 1, 2021, the following change(s) be made: Certificate Revision.

CERTIFICATE IN GEOGRAPHIC INFORMATION SCIENCE

Program

3.0 courses:

0.5 or 1.0* course from: Geography 2210A/B or any university-level statistics course at the 2000 level or above* (normally taken in Year 2).

1.5 courses from: Geography 2220A/B, Geography 2230A/B, Geography 3222A/B.

1.0 courses from: Geography 2240A/B, Geography 3210A/B, Geography 3211A/B, Geography 3223A/B, Geography 3224A/B, **Geography 3225A/B**, Geography 3231A/B, Geography 3414A/B, Geography 4220A/B.

*If a 1.0 course is taken, the module will consist of 3.5 courses.

Note: Students may pursue the Certificate in Geographic Information Science concurrently with other programs in Geography. All of the Geography courses in the Certificate program can count towards other undergraduate programs. Students who have successfully completed the majority of the courses for this Certificate prior to graduation may complete requirements post-degree.

Approval Route: Registrar's Update

Faculty of Arts and Humanities

ENGLISH AND WRITING STUDIES

Effective September 1, 2020, the following change(s) be made: Correction to course suffix information.

CERTIFICATE IN THEATRE STUDIES

Program Requirements

3.5 courses:

1.0 courses: Theatre Studies 2201F/G, Theatre Studies 2202F/G.

1.0 courses: Theatre Studies 2204F/G, Theatre Studies 2205F/G (offered in alternating years).

0.5 course from: English 2041F/G, Arts and Humanities 3000A/B/Y, Theatre Studies 3206F/G, Theatre Studies 3207F/G, Theatre Studies 3581F/G; Theatre Studies 3900F/G.

1.0 courses from: Theatre Studies 3000-4999, or from the following courses offered outside the Theatre Studies program: English 2041F/G, Arts and Humanities 3000A/B/Y, Art History 2660F/G or Film Studies 3356F/G, English 3330E, English 3331F/G, English 3372F/G, English 3490F/G, English 3776F/G, Classical Studies 3130F/G, Film Studies 3361F/G, Film Studies 3362F/G, Film Studies 3371F/G, Music 2700A/B, Music 2701A/B, Writing 2204F/G, Writing 2224F/G, Writing 2530A/B, Comparative Literature and Culture 3351F/G, Comparative Literature and Culture 3352F/G, Comparative Literature and Culture 3353F/G, Comparative Literature and Culture 3382F/G, Digital Humanities 2303F/G, Italian 3352F/G, the former Visual Arts History 2230F/G. Other appropriate courses may be substituted with the permission of the Theatre Studies program director.

Note: Arts and Humanities 3000A/B/Y is only available to students enrolled in a Major or Specialization in the Faculty of Arts and Humanities. Students meeting the prerequisite who wish to register in Arts and Humanities 3000A/B/Y must arrange their internship in consultation with the Director of Theatre Studies no later than three months prior to the start of classes.

Faculty of Science

EARTH SCIENCES

Effective September 1, 2021, the following change(s) be made: The Environmental Science page be removed from the Academic Calendar and the Environmental Science modules and Environmental Science Course List be migrated to the Department of Earth Sciences page in the Faculty of Science.

EARTH SCIENCES

Faculty of Science

Address:

Biological and Geological Sciences 1026

Phone:

(519) 661-3187

Western University

Science/BMSc Internship Program

ENVIRONMENTAL SCIENCE COURSE LIST

Environmental Life Sciences Courses

Anthropology 2264F/G, Anthropology 2265F/G, Anthropology 3334F/G;
Biology 2217A/B, Biology 2290F/G, Biology 2471A/B, Biology 2485A/B, Biology 3220Z,
Biology 3229F/G, Biology 3403A/B, Biology 3404F/G, Biology 3435F/G, Biology 3436F/G,
Biology 3440A/B, Biology 3442F/G, Biology 3445F/G, Biology 3446A/B, Biology 3475A/B,
Biology 3484A/B, Biology 3603A/B, Biology 4223F/G, Biology 4230A/B, Biology 4257Z,
Biology 4258Z, Biology 4259F/G, Biology 4405F/G, Biology 4410F/G, Biology 4412F/G,
Biology 4420A/B, Biology 4436F/G, Biology 4441F/G, Biology 4608F/G, Biology 4944F/G,
the former Biology 2404A, the former Biology 2484A, the former Biology 2486A, the
former Biology 3421F, the former Biology 4243F/G;
Earth Sciences 2265A/B, Earth Sciences 3369A/B;
Geography 2131A/B, Geography 2320A/B, Geography 3343A/B, the former Geography
3321A/B;
Microbiology and Immunology 3100A, Microbiology and Immunology 3500B, the former
Microbiology and Immunology 2100A;
Pathology 3500 or the former Pathology 3240A, the former Pathology 3245B;
Or a course approved for this category by an Environmental Science counsellor.

Environmental Physical Science Courses

Astronomy 2201A/B, Astronomy 2232F/G;
Chemical and Biochemical Engineering 4409A/B;
Chemistry 2213A/B, Chemistry 2272F, Chemistry 3372F/G;
Civil and Environmental Engineering 3328A/B, CEE 3362A/B, CEE 4405A/B, CEE
4465A/B, CEE 4477A/B;
Earth Sciences 2200A/B, Earth Sciences 2220A/B, Earth Sciences 2222A/B, Earth
Sciences 2230A/B, Earth Sciences 2232F/G, Earth Sciences 2240F/G, Earth Sciences
3001A/B, Earth Sciences 3320A/B, Earth Sciences 3321A/B, Earth Sciences 3340A/B,
Earth Sciences 3341A/B, Earth Sciences 4431A/B, Earth Sciences 4440A/B, the former
Earth Sciences 2001F/G;
Geography 2133A/B, Geography 2220A/B, Geography 2230A/B, Geography 2240A/B,
Geography 2310A/B, Geography 2330A/B, Geography 3210A/B, Geography 3211A/B,
Geography 3221A/B, Geography 3222A/B, Geography 3223A/B, Geography 3231A/B,
Geography 3260A/B, Geography 3311A/B, Geography 3312A/B, Geography 3333A/B,
Geography 3334A/B, Geography 3341A/B, Geography 3342A/B, Geography 3350A/B,
Geography 3352A/B, the former Geography 2122A/B, the former Geography 3331A/B, the
former Geography 3351A/B;
Medical Biophysics 3336F/G;
Physics 2070A/B, the former Physics 2700A/B;
Or a course approved for this category by an Environmental Science counsellor.

Environmental Philosophy, Policy and Political Science Courses

Anthropology 2203F/G, Anthropology 2262F/G, Anthropology 3369F/G;
Economics 2170A/B, Economics 2172A/B, Economics 3374A/B;
Indigenous Studies 2111E, Indigenous Studies 2132F/G, Indigenous Studies 2203F/G,
Indigenous Studies 2218F/G, Indigenous Studies 2253F/G, Indigenous Studies 2601F/G,
Indigenous Studies 3140F/G, Indigenous Studies 3722F/G;
Geography All courses in the 2010-2090 series, the 2151-2162 series, and the 2410-2460
series, Geography 3250A/B, Geography 3432A/B, Geography 3441F/G, Geography
3445F/G, Geography 3453F/G, the former Geography 3451A/B, the former Geography
3452A/B, the former Geography 3459A/B, the former Geography 4430A/B;
History 2123 (additional antirequisite, the former History 3225F/G), History 2211E, History
3217E, History 4705E, the former History 3225F/G (additional antirequisite, History 2123),
the former History 3407F/G;

Political Science 2137, Political Science 2235E, Political Science 3379E;
Philosophy 2033A/B, Philosophy 2035F/G, Philosophy 2355F/G;
Sociology 2151A/B, the former Sociology 2103F/G, the former Sociology 2104F/G, the
former Sociology 2107A/B;
Or a course approved for this category by an Environmental Science counsellor.

Note: Students should plan their course selection taking into account prerequisites for senior courses

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HONOURS SPECIALIZATION IN ENVIRONMENTAL GEOSCIENCE – For Professional Registration

HONOURS SPECIALIZATION IN ENVIRONMENTAL SCIENCE

HONOURS SPECIALIZATION IN GEOLOGY - For Professional Registration

HONOURS SPECIALIZATION IN GEOLOGY AND BIOLOGY

HONOURS SPECIALIZATION IN GEOPHYSICS – For Professional Registration

MAJOR IN ENVIRONMENTAL SCIENCE

MAJOR IN GEOLOGY

SPECIALIZATION IN ENVIRONMENTAL GEOSCIENCE – For Professional Registration

SPECIALIZATION IN ENVIRONMENTAL SCIENCE

SPECIALIZATION IN GEOLOGY AND BIOLOGY

SPECIALIZATION IN GEOLOGY – For Professional Registration

SPECIALIZATION IN GEOPHYSICS – For Professional Registration

MINOR IN ENVIRONMENTAL SCIENCE

MINOR IN GEOLOGY

MINOR IN GEOPHYSICS

MINOR IN PLANETARY SCIENCE AND SPACE EXPLORATION

HONOURS SPECIALIZATION IN ENVIRONMENTAL GEOSCIENCE - admission discontinued

HONOURS SPECIALIZATION IN GEOLOGY - admission discontinued

HONOURS SPECIALIZATION IN GEOPHYSICS - admission discontinued

SPECIALIZATION IN ENVIRONMENTAL GEOSCIENCE - admission discontinued

SPECIALIZATION IN GEOLOGY - admission discontinued

SPECIALIZATION IN GEOPHYSICS - admission discontinued

HONOURS ENVIRONMENTAL GEOSCIENCE PROGRAM - For Professional Registration - admission discontinued

HONOURS GEOLOGY PROGRAM - For Professional Registration - admission discontinued

HONOURS GEOPHYSICS PROGRAM - For Professional Registration - admission discontinued