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

**DAP Submission Period:** February 16 - 28, 2022  
**DAP Approval Date:** March 16, 2022

For more information on the DAP process, see the Secretariat’s website.

**Approval Route:** DAP

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**Faculty of Science**

**DEPARTMENT OF BIOLOGY**

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

**HONOURS SPECIALIZATION IN ANIMAL BEHAVIOUR (BSc)**

**Admission requirements**

Completion of first year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including:

- Biology 1001A or Biology 1201A and Biology 1002B or Biology 1202B; Chemistry 1301A/B and Chemistry 1302A/B; Psychology 1002A/B and Psychology 1003A/B, or Psychology 1000, with no mark in these principal courses below 60%.
- 0.5 course from: Physics 1201A/B, Physics 1401A/B, Physics 1501A/B; the former Physics 1028A/B, the former Physics 1301A/B.
- 0.5 course: Data Science 1000A/B
- 1.0 course from: Calculus 1000A/B or Calculus 1500A/B, Calculus 1301A/B or Calculus 1501A/B, Mathematics 1225A/B, Mathematics 1229A/B, Mathematics 1600A/B, Applied Mathematics 1201A/B, Numerical and Mathematical Methods 1411A/B, Numerical and Mathematical Methods 1412A/B, Numerical and Mathematical Methods 1414A/B; the former Applied Mathematics 1411A/B, the former Applied Mathematics 1412A/B, the former Applied Mathematics 1414A/B, the former Applied Mathematics 1413. If not completed in Year 1, the Mathematics requirement must be completed by the end of Year 2.

Note: Physics 1101A/B with a minimum mark of 80% can be used to replace Physics 1201A/B.

**Module**

10.0 courses:

1.0 courses: Biology 2290F/G, Biology 2483A/B.
1.5 courses: Psychology 2220A/B, Psychology 2800E.
0.5 course from: Psychology 2115A/B, Psychology 2210A/B.
0.5 courses: Psychology 2220A/B.
1.0 courses: Psychology 2801F/G and 2802F/G, or the former Psychology 2800E.
0.5 course from: Psychology 2115A/B, Psychology 2210A/B.
0.5 course from: Biology 2244A/B, Statistical Sciences 2244A/B.
2.0 courses from: Biology 2601A/B, Biology 3435F/G, Biology 3442F/G, Biology 3446A/B, Biology 3475A/B, Biology 3484A/B, Biology 3601A/B, or Biology 3602A/B
0.5 course from: Biology 3436F/G, Psychology 3221F/G.
0.5 course from: Biology 4259F/G, Psychology 3800F/G.
1.0 course* from: Biology 4436F/G, Biology 4441F/G, Biology 4611F/G, Biology 4999E (1.5 courses).

* If Psychology 2810 or Biology 4999E is taken, the number of courses in the module will be adjusted accordingly to equal 10.5.
Notes:

2. Students planning to pursue a graduate degree in Biology or Psychology are strongly encouraged to take either Biology 4999E or Psychology 4850E, or Psychology 4851E but only one of the three may be counted toward this module. Biology 4999E, Psychology 4850E and Psychology 4851E have limited enrollment.

DEPARTMENT OF MATHEMATICS

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

HONOURS SPECIALIZATION IN APPLIED MATHEMATICS

Admission Requirements
Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including 0.5 course from Calculus 1000A/B, Calculus 1500A/B, Numerical and Mathematical Methods 1412A/B, the former Applied Mathematics 1412A/B, and 0.5 course from Calculus 1301A/B (with a mark of at least 85%), Calculus 1501A/B, Numerical and Mathematical Methods 1414A/B, the former Applied Mathematics 1414A/B, plus 2.0 additional courses, with no mark in these principal courses below 60%. The former Applied Mathematics 1413 may be substituted for the 1.0 Calculus course requirements.

Mathematics 1600A/B or Numerical and Mathematical Methods 1411A/B or the former Applied Mathematics 1411A/B, with a mark of at least 60% and completed by the end of Term 1 in Year 2.

Applied Mathematics 1999F/G, while not required, will be useful to students in this module.

Module
9.0 courses:


**0.5 course from:** Applied Mathematics 3813A/B, Applied Mathematics 4815A/B, Numerical and Mathematical Methods 4617A/B or the former Applied Mathematics 4617A/B.

**0.5 1.0 course:** Calculus 2502A/B (recommended) or Calculus 2302A/B, and

**0.5 course:** Calculus 2503A/B (recommended) or Calculus 2303A/B.

**0.5 course:** Applied Mathematics 2402A/B or the former Differential Equations 2402A.

**0.5 course from:** Mathematics 2120A/B, Mathematics 2122A/B, Mathematics 3020A/B, Mathematics 3120A/B.

**1.0 0.5 course** from: Statistical Sciences 2857A/B or the former Statistical Sciences 2657A, Statistical Sciences 2856A/B.

**0.5 course from:** Applied Mathematics 4613A/B**, Applied Mathematics 4617A/B**.
1.5 additional courses from: Applied Mathematics 3151A/B, Applied Mathematics 3615A/B, the former Applied Mathematics 3611F/G**, (or the former Applied Mathematics 4611F/G**), Applied Mathematics 3911F/G, Applied Mathematics 4613A/B**, Applied Mathematics 4615F/G*, Applied Mathematics 4617A/B*, the former Applied Mathematics 3129A/B, Financial Modelling 3613A/B, Financial Modelling 3817A/B, Mathematics 2124A/B, Mathematics 2156A/B, Mathematics 3152A/B, Mathematics 3153A/B, Mathematics 3157A/B, Mathematics 3159A/B, Physics 3151A/B, Physics 3926F/G, Statistical Sciences 2858A/B, Statistical Sciences 3657A/B or any course in Applied Mathematics, Data Science, or Numerical and Mathematical Methods at the 3000 level or above. Note that some of these courses have prerequisites that are not part of the module. (or the former Applied Mathematics 3613A/B, the former Applied Mathematics 3817A/B) or the former Applied Mathematics 4129A/B.

1.0 additional course in Applied Mathematics, Mathematics, or Numerical and Mathematical Methods at the 2100 level or above.

1.0 additional course in Applied Mathematics or Numerical and Mathematical Methods at the 4000 level or above.

* May be offered only in odd-numbered academic years.
** May be offered only in even-numbered academic years.

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

**HONOURS SPECIALIZATION IN MATHEMATICS**

**Admission Requirements**
Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including:

0.5 course: Calculus 1000A/B or Calculus 1500A/B or the former Calculus 1100A/B.

0.5 course: Calculus 1501A/B (recommended) or Calculus 1301A/B with a mark of at least 85%;

plus 2.0 additional courses, with no mark in these principal courses below 60%. Mathematics 1600A/B and Mathematics 1120A/B, if taken in first year, will count toward the 3.0 principal courses. Mathematics 1120A/B and Mathematics 1600A/B are recommended.

**Note:** Mathematics 1600A/B must be completed prior to Mathematics 2120A/B.

**Module**

**Module**

9.0 courses:

**4.5 courses:** Calculus 2502A/B, Calculus 2503A/B, Mathematics 2120A/B, Mathematics 2122A/B, Mathematics 2155F/G or the former Mathematics 2155A/B, Mathematics 3020A/B, Mathematics 3120A/B, Mathematics 3122A/B, Mathematics 3124A/B.

**2.0 additional courses** in Mathematics, Actuarial Science, Applied Mathematics, Financial Modelling or Statistical Sciences at the 2100 level or above.

**1.0 courses from:** Statistical Sciences 2857A/B, Statistical Sciences 2858A/B, or any courses in Actuarial Science, Applied Mathematics, Data Science, Financial Modelling or Numerical and Mathematical Methods at the 2100 level or above.

**1.5 2.5 additional courses from:** Mathematics 2124A/B, Mathematics 2156A/B or any courses in Mathematics at the 3000 level or above.

**1.0 additional course** in Mathematics at the 4000 level.

It is strongly recommended that Mathematics 2122A/B be completed in the year of entry into the module.
Note: Those students who plan to apply for graduate studies in Mathematics should take Mathematics 4120A/B, Mathematics 4121A/B, Mathematics 4122A/B, Mathematics 4123A/B, and at least one of Mathematics 4151A/B, Mathematics 4152A/B, Mathematics 4153A/B or Mathematics 4156A/B.

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

MAJOR IN APPLIED MATHEMATICS

Admission Requirements
Completion of first-year requirements, including 0.5 course from Calculus 1000A/B, Calculus 1500A/B, Numerical and Mathematical Methods 1412A/B, the former Applied Mathematics 1412A/B, and 0.5 course from Calculus 1301A/B (with a mark of at least 85%), Calculus 1501A/B, Numerical and Mathematical Methods 1414A/B, the former Applied Mathematics 1414A/B. The former Applied Mathematics 1413 may be substituted for the 1.0 Calculus course requirement. Each of these courses requires a minimum mark of 60%.

Mathematics 1600A/B or Numerical and Mathematical Methods 1411A/B or the former Applied Mathematics 1411A/B, with a mark of at least 60% and completed by the end of Term 1 in Year 2.

Applied Mathematics 1999F/G, while not required, will be useful for students in this module.

Module
6.0 courses:


0.5 course: Calculus 2502A/B (recommended) or Calculus 2302A/B, and

0.5 course: Calculus 2503A/B (recommended) or Calculus 2303A/B.

0.5 course: Applied Mathematics 2402A/B or the former Differential Equations 2402A.

0.5 course from: Mathematics 2120A/B, Mathematics 2122A/B, Mathematics 3020A/B, Mathematics 3120A/B.

0.5 course: Statistical Sciences 2857A/B or the former Statistical Sciences 2657A.

0.5 course from: Applied Mathematics 4613A/B**, Applied Mathematics 4617A/B**.

0.5 course from: Applied Mathematics 4815A/B**, Applied Mathematics 4817A/B**.

0.5 course from: Applied Mathematics 3813A/B, Applied Mathematics 4815A/B, Numerical and Mathematical Methods 4617A/B or the former Applied Mathematics 4617A/B.


* May be offered only in odd-numbered academic years.
** May be offered only in even-numbered academic years.

Effective September 1, 2022, the following change(s) be made: Module Revision.
MAJOR IN MATHEMATICS

Admission Requirements
Completion of first-year requirements. Students must have an average of at least 70% in with no mark below 60% in 3.0 principal courses, including:

0.5 course: Calculus 1000A/B or Calculus 1500A/B or the former Calculus 1100A/B;
0.5 course: Calculus 1501A/B (recommended) or Calculus 1301A/B with a mark of at least 85%,
plus 2.0 additional courses, with no mark in these principal courses below 60%. Mathematics 1600A/B and Mathematics 1120A/B, if taken in first year, will count toward the 3.0 principal courses. Mathematics 1120A/B and Mathematics 1600A/B are recommended.

Note: Mathematics 1600A/B must be completed prior to Mathematics 2120A/B.

Module
6.0 courses:

0.5 course from: Statistical Sciences 2857A/B or any course in Actuarial Science, Applied Mathematics, Data Science, Financial Modelling or Numerical and Mathematical Methods at the 2100 level or above.
1.5 1.0 additional courses from: Statistical Sciences 2857A/B, Statistical Sciences 2858A/B, Statistical Sciences 3657A/B, or any courses in Mathematics, Actuarial Science, Applied Mathematics, Data Science, Financial Modelling or Numerical and Mathematical Methods or Statistical Sciences at the 2100 level or above.
2.0 1.5 additional courses in Mathematics at the 3000 level or above.

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

SPECIALIZATION IN MATHEMATICS

Admission Requirements
Completion of first-year requirements, including:

0.5 course: A mark of at least 60% in Calculus 1000A/B or Calculus 1500A/B or the former Calculus 1100A/B;
0.5 course: A mark of at least 60% in Calculus 1501A/B (recommended) or a mark of at least 85% in Calculus 1301A/B. (Numerical and Mathematical Methods 1412A/B or the former Applied Mathematics 1412A/B) and (Numerical and Mathematical Methods 1414A/B or the former Applied Mathematics 1414A/B), or the former Applied Mathematics 1413 (each with a mark of at least 60%) may be used to replace the 1.0 Calculus course requirement. Mathematics 1120A/B and Mathematics 1600A/B are recommended.

Note: Mathematics 1600A/B, Numerical and Mathematical Methods 1411A/B or the former Applied Mathematics 1411A/B must be completed prior to Applied Mathematics 2811A/B and Mathematics 1600A/B must be completed prior to Mathematics 2120A/B. Mathematics 1600A/B must be completed prior to Mathematics 2211A/B.

Module
9.0 courses:

0.5 1.0 course from: Calculus 2502A/B recommended or Calculus 2302A/B; and
0.5 course from: Calculus 2503A/B recommended or Calculus 2303A/B.
0.5 course from: Applied Mathematics 2811A/B or Mathematics 2120A/B or the former Mathematics 2211A/B.
0.5 course: Mathematics 2155F/G.
1.0 courses: Mathematics 2122A/B, Mathematics 3020A/B.
0.5 course: Applied Mathematics 2814F/G or Mathematics 2122A/B.
0.5 additional course from: Mathematics 2122A/B, Mathematics 3020A/B, Mathematics 3120A/B.

2.0 additional courses in Mathematics, Actuarial Science, Applied Mathematics, Financial Modelling or Statistical Sciences at the 2100 level or above.
2.5 additional courses in Mathematics at the 2000 level or above.
2.0 additional courses in Mathematics at the 3000 level or above.

1.0 additional course from: Statistical Sciences 2857A/B. Statistical Sciences 2858A/B, Statistical Sciences 3657A/B or any courses in Applied Mathematics or Numerical and Mathematical Methods at the 2100 level or above.
2.5 additional courses from: Physics 3151A/B, Physics 3926F/G, or any courses in Actuarial Science, Applied Mathematics, Data Science, Financial Modelling, Mathematics, Numerical and Mathematical Methods or Statistical Sciences at the 2100 level or above.
2.5 additional courses from: courses in Applied Mathematics, Mathematics or Numerical and Mathematical Methods at the 3000 level or above.

It is strongly recommended that Mathematics 2122A/B be completed in the year of entry into the module.

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

MINOR IN MATHEMATICS

Admission Requirements
Completion of first-year requirements, including:

0.5 course: A mark of at least 60% in Calculus 1000A/B or Calculus 1500A/B or the former Calculus 1100A/B.

0.5 course: A mark of at least 60% in Calculus 1501A/B (recommended) or a mark of at least 85% in Calculus 1301A/B. (Numerical and Mathematical Methods 1412A/B and Numerical and Mathematical Methods 1414A/B) or (the former Applied Mathematics 1412A/B and Applied Mathematics 1414A/B) or the former Applied Mathematics 1413 (each with a mark of at least 60%) may be used to replace the 1.0 Calculus course requirement. Mathematics 1120A/B and Mathematics 1600A/B are recommended.

Students with a complete first year that does not meet the above requirements may be admitted after a second-year half-course in Calculus with a mark of at least 60%.

Module

4.0 courses:

0.5 course: Applied Mathematics 2811A/B or Mathematics 2120A/B or the former Mathematics 2211A/B.

0.5 course from: Calculus 2302A/B, Calculus 2402A/B or Calculus 2502A/B.

0.5 course from: Applied Mathematics 2402A/B, Applied Mathematics 2814F/G, Calculus 2303A/B, Calculus 2503A/B, or Mathematics 2122A/B, Mathematics 2124A/B, Mathematics 2155F/G or the former Mathematics 2155A/B, Mathematics 3020A/B, Mathematics 3121A/B or the former Mathematics 2121A/B, Mathematics 3150A/B or Mathematics 3157A/B.

2.5 additional courses from: Earth Sciences 2222A/B, Economics 2122A/B, Economics 2123A/B, Economics 2141A/B, Economics 2210A/B, Economics 2222A/B, Economics 2223A/B, Economics 3310A/B, Philosophy 2250, Philosophy 2251F/G, Philosophy 2252W/X, Philosophy 2254A/B, Philosophy 3201A/B, the former Economics 2142A/B, the former Philosophy 3202B, the former Philosophy 4201A/B, the former Philosophy 4202A/B, any Actuarial Science, Applied Mathematics, Computer Science, Data Science, Financial Modelling, Mathematics, Numerical and Mathematical Methods, or Statistical Sciences course at the 2000 level or above. Note that some of these courses have prerequisites that are not part of the module.
Faculty of Social Science

DEPARTMENT OF MANAGEMENT AND ORGANIZATIONAL STUDIES

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

HONOURS SPECIALIZATION IN COMMERCIAL AVIATION MANAGEMENT

Module

11.0 courses:

1.0 course normally taken in second year: Business Administration 2257
1.0 course normally taken in second year from: Economics 2150A/B and Economics 2152A/B; OR 0.5 from MOS 2181A/B or Psychology 2061A/B AND 0.5 MOS 2000-level or above: the former Sociology 2169.
1.5 courses normally taken in second year: Economics 2166F/G; Geography 2310A/B; History 2814F/G.
0.5 course from Geography 2220A/B, Geography 2230A/B, Geography 2240A/B; OR 0.5 course normally taken in second or third year from: MOS 2310A/B*, MOS 2320A/B*.
1.0 course normally taken in third year: MOS 3305A/B, MOS 3306A/B.
0.5 course: MOS 2000-level or above.
1.0 course: MOS 3000-level or above
2.5 courses normally taken in fourth year: MOS 3330A/B, MOS 4405F/G, MOS 4406F/G, MOS 4409F/G, MOS 4410A/B.

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

MAJOR IN COMMERCIAL AVIATION MANAGEMENT

Module

7.0 courses:

1.0 course: Business Administration 2257.
1.5 courses: Economics 2166F/G; Geography 2310A/B; History 2814F/G.
0.5 course from: Geography 2220A/B, Geography 2230A/B, Geography 2240A/B.
1.0 course from: MOS 2181A/B, MOS 2310A/B*, MOS 2320A/B*, MOS 3300A/B.
Effective September 1, 2022, the following change(s) be made: Module Revision.

MAJOR IN HUMAN RESOURCE MANAGEMENT

Module
7.0 courses:

1.0 course: Business Administration 2257.
1.0 course* from: MOS 2242A/B and 0.5 MOS 2000-level or above; the former Psychology 2820E; Sociology 2205A/B and Sociology 2206A/B; Statistical Sciences 2035.
1.5 courses: MOS 2181A/B, MOS 4410A/B, MOS 4485F/G.

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

SPECIALIZATION IN COMMERCIAL AVIATION MANAGEMENT

Module
11.0 courses:

1.0 course normally taken in second year: Business Administration 2257.
1.0 course normally taken in second year from: Economics 2150A/B AND Economics 2152A/B OR 0.5 from Psychology 2061A/B OR MOS 2181A/B AND 0.5 MOS 2000-level or above; Sociology 2169.
1.5 courses normally taken in second year: Economics 2166F/G; Geography 2310A/B; History 2814F/G.
0.5 course from Geography 2220A/B, Geography 2230A/B, Geography 2240A/B.
0.5 course normally taken in second year: MOS 2310A/B*, MOS 2320A/B*.
1.0 course normally taken in third year: MOS 3305A/B, MOS 3306A/B.
0.5 course normally taken in third or fourth year: MOS 3330A/B.
1.5 courses: MOS 2000-level or above.
2.0 courses: MOS 4405F/G, MOS 4406F/G, MOS 4409F/G, MOS 4410A/B.

Approval Route: DAP - Minor Change

Faculty of Social Science

DEPARTMENT OF ANTHROPOLOGY

Effective September 1, 2022, the following change(s) be made: Admission Requirement Revision.

HONOURS SPECIALIZATION IN ANTHROPOLOGY

Admission Requirements
Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including 0.5 course from "Introduction to Sociocultural and Linguistic Anthropology" (Anthropology 1021A/B or Anthropology 1025F/G) and 0.5 course from "Introduction to Archaeology and Biological Anthropology" (Anthropology 1022A/B or Anthropology 1026F/G). Alternatively, students may substitute 1.0 course from Anthropology 1020, or the former Anthropology 1020E. A minimum of 60% is required in each course.

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENT

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

HONOURS SPECIALIZATION IN GEOGRAPHY AND ENVIRONMENT/HBA

Years 4 and 5 (Geography)
6.0 courses:

The remaining 0.5 1.0 course from the following 3.0 geography courses:

0.5 course: Geography 2220A/B.
1.0 course from: Geography 2410A/B, Geography 2411F/G, Geography 2420A/B, Geography 2430A/B, Geography 2460F/G.
1.0 course from: Geography 2310A/B, Geography 2320A/B, Geography 2330A/B.
0.5 course from: Geography courses numbered 2000 to 2099.

No further changes.