

EXISTING CALENDAR COPY

I APPLIED MATHEMATICS PROGRAMS

All BSc and BSc (Hons.) degree candidates must complete the **program core**: SC/COSC 1540 3.0 or SC/COSC 2031 3.0; SC/MATH 1013 3.0; SC/MATH 1014 3.0; SC/MATH 1016 1.0; SC/MATH 1017 1.0; SC/MATH 1021 3.0; SC/MATH 2015 3.0; SC/MATH 2018 1.0; SC/MATH 2041 3.0; SC/MATH 2270 3.0; SC/MATH 3241 3.0.

~~In addition, all degree candidates must select a number of credits (depending on their program) from the following list.~~

~~**LIST 1:** SC/MATH 3110 3.0, SC/MATH 3131 3.0, SC/MATH 3170 6.0, SC/MATH 3242 3.0, SC/MATH 3260 3.0, SC/MATH 3271 3.0, SC/MATH 3410 3.0, SC/MATH 4000 3.0/4000 6.0 (projects in Applied Mathematics only), SC/MATH 4141 3.0, SC/MATH 4142 3.0, SC/MATH 4160 3.0, SC/MATH 4170 6.0, SC/MATH 4240 3.0, SC/MATH 4241 3.0, SC/MATH 4270 3.0, SC/MATH 4271 3.0, SC/MATH 4430 3.0, SC/MATH 4431 3.0, SC/MATH 4470 3.0, SC/MATH 4830 3.0~~

BACHELOR PROGRAM (formerly ORDINARY PROGRAM - before 2000-2001)

- o the program core;
- o the Faculty of Pure and Applied Science general education and 1000-level Science requirements, as specified in ii) above;
- o one of SC/MATH 2022 3.0, SC/MATH 2030 3.0, SC/MATH 2222 3.0, SC/MATH 2320 3.0;
- o at least 12 credits selected from ~~List 1 courses~~, for an overall total of at least 39 credits from major SC/MATH courses;
- o additional elective credits, as required for an overall total of at least 90 credits, including at least 66 credits from Science courses and at least 18 credits at the 3000 or higher level.

SPECIALIZED HONOURS PROGRAM

- o the program core;
- o the Faculty of Pure and Applied Science

REVISED CALENDAR COPY

I APPLIED MATHEMATICS PROGRAMS

All BSc and BSc (Hons.) degree candidates must complete the **program core**: SC/COSC 1540 3.0 or SC/COSC 2031 3.0; SC/MATH 1013 3.0; SC/MATH 1014 3.0; SC/MATH 1016 1.0; SC/MATH 1017 1.0; SC/MATH 1021 3.0; SC/MATH 2015 3.0; SC/MATH 2018 1.0; SC/MATH 2041 3.0; SC/MATH 2270 3.0; SC/MATH 3241 3.0.

In addition, all degree candidates must select a number of credits (depending on their program) from **MATH courses without second digit 5 at the 3000-level or higher**

BACHELOR PROGRAM (formerly ORDINARY PROGRAM - before 2000-2001)

- o the program core;
- o the Faculty of Pure and Applied Science general education and 1000-level Science requirements, as specified in ii) above;
- o one of SC/MATH 2022 3.0, SC/MATH 2030 3.0, SC/MATH 2222 3.0, SC/MATH 2320 3.0;
- o at least 12 credits selected from **MATH courses without second digit 5 at the 3000 level or higher**, for an overall total of at least 39 credits from major SC/MATH courses;
- o additional elective credits, as required for an overall total of at least 90 credits, including at least 66 credits from Science courses and at least 18 credits at the 3000 or higher level.

SPECIALIZED HONOURS PROGRAM

- o the program core;

- o general education and 1000-level Science requirements, as specified in ii) above;
- o SC/MATH 2022 3.0; SC/MATH 2030 3.0;
- o SC/MATH 3110 3.0; SC/MATH 3210 3.0; SC/MATH 3242 3.0; SC/MATH 3410 3.0;
- o at least 21 additional credits selected from ~~List 1 courses (including SC/MATH 3260 3.0 or SC/MATH 3170 6.0, and at least 12 credits at the 4000 level)~~, for an overall total of at least 63 credits from major SC/MATH courses;
- o additional elective credits, as required for an overall total of at least 120 credits, including at least 90 credits from Science courses and at least 42 credits at the 3000 or higher level

HONOURS MAJOR

- o the program core;
- o SC/MATH 3242 3.0 or SC/MATH 3170 6.0;
- o 12 credits at the 4000 level, selected from ~~List 1 courses~~, for an overall total of at least 39 credits from major SC/MATH courses.

HONOURS MINOR

- o SC/COSC 1540 3.0;
- o SC/MATH 1013 3.0; SC/MATH 1014 3.0; SC/MATH 1021 3.0;
- o SC/MATH 2015 3.0; two of SC/MATH 2041 3.0, SC/MATH 2222 3.0 (or SC/MATH 2022 3.0), SC/MATH 2270 3.0;
- o at least 9 more credits, including at least one of SC/MATH 3170 6.0 or SC/MATH 3241 3.0 or SC/MATH 3260 3.0, and the remaining credits from ~~List 1 courses~~, for an overall total of at least 27 credits from major SC/MATH courses.

- o the Faculty of Pure and Applied Science general education and 1000-level Science requirements, as specified in ii) above;
- o SC/MATH 2022 3.0; SC/MATH 2030 3.0;
- o SC/MATH 3110 3.0; SC/MATH 3210 3.0; SC/MATH 3242 3.0; SC/MATH 3410 3.0;
- o at least 21 additional credits selected from **MATH courses without second digit 5 at the 3000 level or higher (these 21 credits must include SC/MATH 3260 3.0 or SC/MATH 3170 6.0, and at least 12 credits at the 4000 level)**, for an overall total of at least 63 credits from major SC/MATH courses;
- o additional elective credits, as required for an overall total of at least 120 credits, including at least 90 credits from Science courses and at least 42 credits at the 3000 or higher level

HONOURS MAJOR

- o the program core;
- o SC/MATH 3242 3.0 or SC/MATH 3170 6.0;
- o 12 credits at the 4000 level, selected from **MATH courses without second digit 5**, for an overall total of at least 39 credits from major SC/MATH courses.

HONOURS MINOR

- o SC/COSC 1540 3.0;
- o SC/MATH 1013 3.0; SC/MATH 1014 3.0; SC/MATH 1021 3.0;
- o SC/MATH 2015 3.0; two of SC/MATH 2041 3.0, SC/MATH 2222 3.0 (or SC/MATH 2022 3.0), SC/MATH 2270 3.0;
- o at least 9 more credits, including at least one of SC/MATH 3170 6.0 or SC/MATH 3241 3.0 or SC/MATH 3260 3.0, and the remaining credits from **MATH courses without second digit 5 at the 3000 level or higher**, for an overall total of at least 27 credits from major SC/MATH courses.

