

# 1 STATISTICS UNDERGRADUATE INFORMATION

The general degree requirements for any undergraduate science degree (BSc) at Dalhousie are given in the Undergraduate Calendar. Please review these requirements carefully, and see an academic advisor in the registrars office if you have any general questions about your degree. You also have access to a Degree Audit Reporting System (DARS). This is available through Dal Online and gives you a personalized and current snapshot of where you stand in meeting the requirements of your degree. The Statistics undergraduate advisor can also answer specific questions on the courses needed to obtain a BSc degree in Statistics. Complete information is provided below.

## 1.1 Calendar Entries

- The full, detailed course requirements for a degree in Statistics are given in the Undergraduate Calendar ([here](#)).

## 1.2 MINOR IN STATISTICS

The requirements for Statistics as a minor subject are: Stat2060, Stat2080, Stat3340 and at least 9 additional credit hours in Statistics at the 2000 or above, of which at least three credit hours are at the 3000 level or above.

Students with a major or honours area of concentration other than Mathematics may count MATH 2001, MATH 2002, MATH 2030 or MATH 2040 towards the three full credits required for the minor.

We suggest the following courses to provide for a solid grounding in Statistics and to provide for the pre-requisites for more advanced courses: STAT 2060, STAT 2080, MATH 2001, MATH 2030, STAT 3340, STAT 3360.

## 1.3 COMBINED DEGREES WITH STATISTICS

Combined degrees (Double Major and Combined Honours) in the Faculty of Science are governed by the requirements in the undergraduate calendar.

Please review these requirements carefully when designing your program, and consult an academic advisor with any questions.

Combined degrees are designed to allow for a flexible program of study in two major subjects. Generally, you will choose a primary and a secondary subject (the primary subject being the one with the most credits). Listed below are Statistics course required for combined degrees. It is up to you to choose your courses in such a way as to satisfy the requirements for both your major subjects.

### 1.3.1 BSc Double Major

The undergraduate calendar states for that for a BSc, Double Major: A minimum of 60, maximum of 84 credit hours in the major subject beyond the 1000 level are to be in the two allied subjects, with no more than 48 credit hours and no fewer than 30 credit hours in either, including 12 credit hours beyond the 2000 level in each of the two major subjects. The major subject with the most advanced credits appears first on the record. (Note that a one term course is usually equivalent to 3 credits hours).

The required courses are:

- MATH 2030
- MATH 2001 (you can count these MATH courses toward the credits in Statistics)
- STAT 2060
- STAT 2080
- STAT 3340
- STAT 3360
- STAT 3460

The remaining courses are to be drawn from any second, third and fourth year level STAT courses (this can include any courses that are cross-listed with STAT). You may also elect to take MATH 2002 and MATH 2040 and can count these toward the total STAT credits.

### 1.3.2 BSc Combined Honours:

The undergraduate calendar states for a BSc Combined Honours: Minimum of 66, maximum of 84 credit hours beyond the 1000 level in two subjects, not more than 54 credit hours nor fewer than 30 credit hours being in either. Grades in honours subject courses must be C or better

The required courses are:

- MATH 2001
- MATH 2030 (you can count these MATH courses toward the credits in statistics as long as you are not doing a combined degree with Mathematics)
- STAT 2060
- STAT 2080
- STAT 3340
- STAT 3360
- STAT 3460
- STAT 4XXX (i.e., any 4th year STAT course, in addition to STAT 4950)

The remaining courses are to be drawn from any second, third and fourth year levels STAT courses (this can include any courses that are cross-listed with STAT). You may also count MATH 2002 and MATH 2040 toward the total STAT credits, as long as you are not doing a combined degree with MATH.

You must also write an Honours thesis in your primary subject. If Statistics is your primary subject, the honours thesis corresponds to the course STAT 4950. Please consult the Statistics undergraduate advisor for further information on the honours program.