**Honours BSc Biology and Chemistry – Faculty of Science - 2016/17**

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| **Year One** – 5.0 credits including: [in this 20.0 credit program, a maximum of 6.0 **Junior** (100 level) credits in total are allowed] | | | | |
| 1.0 credit | 1.5 credit: | 1.0 credits: | 1.0 credit: | 0.5 credit: |
| BI110  BI111 | MA100 & MA101  (or MA110\*)  **and**  MA122 | CH110 & CH111 | PC131 & PC132  **or**  PC141 & PC142 | 0.5 non-science elective credit    ***Refer to Note 1*** |

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| **Year Two –** 5.0 credits including: ***See Note 5*** | | | | | | |
| **All (3.0 credits)** | | | 0.5 credit | 1.5 Senior Biology credits from BI226, BI236, BI256, BI266, BI276, BI296: | | |
| CH202 | CH212 | CH261 | MA241 |  |  |  |
| CH203 | CH250 | CH262 |  |  | | |

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| **Year Three** – 5.0 credits including: **Students must pay attention to course pre-requisites** | | | | | | | |
| **All (2.0 credits):** | | 0.5 credit - One of: BI296 (if not taken in Yr 2) or CH390; or 0.5 elective credit (if BI296 taken in Yr 2)  ***Refer to Note 5*** | 2.5 Senior Biology credits which must include BI226, BI236, BI256, BI266, BI276 if not taken in Year 2: | | | | |
| CH215 | CH226 |  |  |  |  |  |
| CH225 | CH350 |  | **(If interested in taking BI499‡ (1.5 credits), application has to be in the Biology department by Feb/Mar of Year 3)** | | | | |

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| **Year Four** – 5.0 credits including:  ***See Notes 1 & 5*** | | | | | | | | | |
| 2.0 Senior Biology Credits: | | | | 1.5 credits in Chemistry: | | | 1.5 elective credits (0.5 must be senior) | | |
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| May include BI499‡ or CH490‡**(but not both**).  ***Refer to Note 5*** | | | | | | | To be approved by Biology or Chemistry Dept.  ***Refer to Note 1*** | | |

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| **Program Requirements:** | | | | | |
| 100-level Credits ⁭ (Max 6.0) | **Senior** Biology ⁭ Credits (Min. 6.0) | | **Senior** Chemistry ⁭ Credits (Min. 6.5) | | 300/400-level ⁭  Bio or Chem. Credits (Min 3.0) |
| Total Electives ⁭  (2.0 credits) | | Total Credits ⁪  (Min. 20.0) | | **Department Signature:** | |

Notes

1. Electives (2.0 credits in the program) must include at least 1.0 credit from outside of the major discipline(s) of which 0.5 credit must be from a discipline outside of those offered by the Faculty of Science.
2. Senior HN courses count as senior BI courses to fulfill program requirements; grades earned are included in the cumulative GPA in Biology.
3. At least 3.0 credits in BI or CH at the 300 or 400 level must be successfully completed.
4. Senior honours students are expected to attend all department seminars.
5. Students who plan to enroll in CH490‡ in Year 4 are encouraged (but are not required) to enroll in CH390 in Year 3. By the end of the program, a student must have credit for at least one of the following: BI296, CH390, CH490‡, BI499‡. A student may have credit for only one of: BI296 or CH390.
6. For progression into Year 2, Year 3 and Year 4, and for graduation, the cumulative GPA is calculated on the Biology and Chemistry courses combined.
7. The academic calendar presents a suggested schedule within which all program requirements can be fulfilled. While other sequences are possible, many of the required courses have one or more prerequisites and students are advised to be cautious in departing from the recommended schedule.

**Graduation Requirements:** 20.0 credits minimum, of which up to 6.0 can be at the 100 level; a minimum cumulative GPA of 5.00 (C) in Biology and Chemistry courses combined, and a minimum GPA of 5.00 (C) overall is required.

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| **Not all requirements are reflected in the program outline, it is the responsibility of the student to ensure that all academic program and course requirements have been met. Please refer to required courses and regulations in the on-line Undergraduate Calendar.** |