SFU and UBC Science Requirements

\*Very few programs require Biology, all of the programs require Pre-Calculus

SFU Sciences

* English 11 and 12 (min 70%)
* Language 11
* Minimum of 5 approved academic grade 12 courses

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| Applied Science – Engineering   * Foundations or Pre-Calc 11 * One Science 11 * Pre-Calculus 12 (min 75%) * Calculus 12 (min 70%) * Chemistry 12 (min 75%) * Physics 12 (min 75%) | Applied Science – Computing, GIS, Software   * Foundations or Pre-Calc 11 * One Science 11 * Bio, Chem or Physics 12 * Pre-Calculus 12 * Calculus 12 |
| All Science Programs   * Foundations or Pre-Calc 11 * Chemistry 11 * Physics 11 * Pre-Calculus 12 * Two of Bio 12, Calculus 12, Chemistry 12 or Physics 12 | Health Sciences – BSc   * Foundations or Pre-Calc 11 * One Science 11 * Biology 12 * Chemistry 12 * Calculus 12 or Pre-Calculus 12 |
| Environmental Science   * Foundations or Pre-Calc 11 * Chemistry 11 * Physics 11 * Pre-Calculus 12 * Two of Bio 12, Calculus 12, Chemistry 12 or Physics 12 |  |

UBC Sciences

* Minimum of 70% in Grade 11 and Grade 12 English
* Language 11
* At least six academic/non-academic Grade 12 courses

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| Applied Science - Engineering   * Pre-Calculus 11 or Foundations of Math 12 * Chemistry 11 * Physics 11 * Pre-Calculus 12 * Chemistry 12 * Physics 12 | Applied Biology   * Chem 11 * Physics 11 * Pre-Calculus 11 or Foundations of Math 12 * Pre-Calculus 12 * Bio 12, Chem 12 or Physics 12 |
| Dental Hygiene   * Bio 11 * Chem 11 * Pre-Calculus 11 or Foundations of Math 12 * Bio 12 * Chem 12 | Food, Nutrition, and Health   * Chemistry 11 * Physics 11 * Pre-Calculus 11 or Foundations of Math 12 * Pre-Calculus 12 * Bio, Chem or Physics 12 |
| Forestry; Forest Bioeconomy Sciences and Technology; Forest Sciences; Natural Resources Conservation   * Biology 11 (can have Physics 11 instead, but should have Bio 12) * Pre-Calculus 11 or Foundations of Math 12 * Pre-Calculus 12 * Bio, Chem, or Physics 12 | Science   * Chemistry 11 * Physics 11 * Pre-Calculus 11 or Foundations 12 * Pre-Calculus 12 Min 67% * Bio, Chem or Physics 12 |
| Kinesiology   * Pre-Calculus 11 or Foundations of Math 12 * A Science 11 * Pre-Calculus 12, Bio, Chem or Physics 12 | Pharmaceutical Sciences   * Chemistry 11 * Pre-Calculus 11 or Foundations of Math 12 * Pre-Calculus 12 min 67% * Bio, Chem or Physics 12 |