

Comparison of Entrance Requirements and Course Structure for First Year Science Options

Standard Program	CSP	Science One
Requires admission to the Faculty of Science. Registration is through the SSC.	Requires admission to the Faculty of Science. No other application is needed. Registration is through standard timetables (STTs) on the online Student Service Centre (SSC) starting in June.	Requires admission to the Faculty of Science and a separate Science One application.
Enrolment of about 1900.	Enrolment limited to 168.	Enrollment Limited to 75.
Basic requirements for admission in the faculty of Science. English 12 or English 12 First Peoples (Applicants to the 2018 Winter Session must complete provincial exam by June 30), Pre-calculus 12 (minimum 67%), One of Biology 12, Chemistry 12, Geology 12, or Physics 12, One other approved Grade 12 course, English 11, A language 11 or waiver, Pre-calculus 11 or Foundations of Mathematics 12, Physics 11 and Chemistry 11, An approved Social Studies course.	In addition to the Faculty of Science Requirements, Chemistry and Physics 12 are normally required, but there are options for students missing either of these. Calculus 12 is highly recommended. A grade of 80% in English 12 or an LPI score of 5 or better is strongly recommended.	In addition to the faculty of Science Requirements. Students are required to have a minimum of 80% in Biology 11 or 12, Chemistry 12, Physics 12, Principles of Mathematics 12 (or BC equivalent), Calculus 12, and at least 75% in English 12 or English Literature 12 (or BC equivalent) or an LPI score of 5 or better.
Courses are chosen by students, but should work towards meeting the Faculty of Science requirements and the requirements to advance to second year in your chosen specialization. See https://science.ubc.ca/students/requirements/faculty .	The 24-credit package of courses for CSP science students includes Biology 121, Chemistry 121/123, Math 102/103, and Physics 101 taken as separate courses, but with the same cohort of students. (Note: most students also take Biology 112.) In addition, there is the CSP workshop (CSPW 100), with topics chosen to reinforce coursework and general skill development. Several of these courses are optional and may be dropped. Students receive a separate grade for each course.	The 29-credit package (27 Science One credits plus 2 credits for co-requisite, Biology 140 lab course in term 1 only) presents Biology, Chemistry, Mathematics, and Physics in a unified and integrated format. Science One credits are not explicitly associated with specific courses, but completion of the program (students receive one blended mark) satisfies the entrance requirements for all 2nd year courses in Biology, Chemistry, Mathematics, and Physics in the Faculty of Science at UBC.
The faculty of Science provides a large number of department specific and course specific resources to help students succeed in all aspects of their course work.	Provides less academic support than Science One, but more than in the Standard Program. Workshop offices are attached to CSP study area.	Provides the highest level of academic support. Four instructor offices are attached to Science One study area and Teaching Assistants for ever disciple. You get to know your instructors and peers very well.

What Makes the First Year Science Options Different from Each Other?

Standard Program	CSP	Science One
Students have the freedom to choose any section of each course they select, and typically have different classmates in each course. Class sizes range from 200-350 students.	Students have a standard time table (STT) comprising of sections of the standard first year courses. As a result, they move from class to class together and have the opportunity to form a supportive learning and social community. Class size is capped at 170 students.	Students have a single, 29 credit course that happens all in the same classroom. Professors sit at the back and join in on each other's discussions, and switch out when the next subject is being taught. This forms an incredibly tight-knit learning community. Class size is capped at 75 students and is reserved for people in Science One.
Instructors work independently with no coordinated activities.	CSP instructors (one from each of Biology, Chemistry, Mathematics, and Physics) meet to discuss, and help plan course-related CSP Workshop activities.	Science One Instructors (two from each of Biology, Chemistry, Mathematics, and Physics) sit in on each others classes and meet weekly to discuss and coordinate the material.
Students attend lab sections with others taking the same course, but possibly in a different lecture section.	Students attend lab sections comprised primarily of fellow CSP students.	Students attend lab sections comprised primarily of fellow Science One students.
Students receive subject-specific academic help from the departments that teach each of their courses.	CSP students have a space of their own to meet classmates and seek integrated academic support unique to the program. They also have access to the subject-specific help each department offers to all first-year students.	In addition to their own work and study space, the study space is shared with Science One instructors. Their offices are right off of the study area.
Students have no multidisciplinary workshops.	Students commit two hours per week to the multidisciplinary CSP Workshop (CSPW 100) where they participate in activities in one or more scientific disciplines, and develop skills that are useful in all scientific disciplines and future careers. This course is worth 1 credit and is graded pass/fail.	In addition to a 2 hour weekly tutorial in which the students focus on special skill development, the students attend 2 mandatory field trips, one to Barnfield Marine Research Centre and one to Loon Lake, the forestry research centre. They also get mentored on two research projects, have the opportunity to present at two student conferences, and some of the work even gets published.