

# Associate of Science Degree Framework

<b>Faculty of Science and Horticulture</b>	kpu.ca/science
<b>Implementation Date</b>	01-Sep-2011
<b>Start Date(s)</b>	September January May
<b>Intake Type</b>	Open intake
<b>Instructional Cycle</b>	Semester-based
<b>Program Type</b>	Undergraduate
<b>Credential Granted</b>	Associate Degree
<b>Offered At</b>	Richmond Surrey
<b>Format</b>	Full-time Part-time
<b>How to Apply</b>	www.kpu.ca/admission

## DESCRIPTION

The Associate of Science degree consists of two years of university course work where students are able to complete their lower division program requirements for a Bachelor of Science degree if they plan effectively. Holders of an Associate Degree receive full transfer credit of all courses counting towards that degree, even if the receiving institution may not have an articulation in place with any specific course counted by the sending institution towards an Associate Degree. While universities traditionally allow transfer based on GPA cutoffs, some receiving institutions grant a GPA advantage to Associate of Science holders.

The general requirements for the Associate of Science are specified by provincial legislation. To qualify for an Associate of Science, students must complete 60 credits at the first and second year level (typically 20 courses, 3 credits per course). A minimum overall GPA of 2.0 is required, with a minimum passing grade (D or better) in each course counting towards the Associate of Science.

KPU currently offers two pathways for an Associate of Science Degree:

1. Associate of Science in General Sciences
2. Associate of Science in Mathematics

## ADMISSION REQUIREMENTS

Students pursuing an Associate of Science Degree must be admitted to the Faculty of Science & Horticulture.

## CURRICULAR REQUIREMENTS

Students are required to complete 60 credits at the 1st and 2nd year level. A minimum overall GPA of 2.0 is required, with a minimum passing grade (D or better) in each course counting towards the Associate of Science.

### Specific Requirements:

1. **English Requirements:**
  - ENGL 1100 and

- One additional first year ENGL course

### 2. Math Requirements\*:

- Six credits of university level mathematics, which shall include at least three credits in Calculus.

### 3. First Year Science Requirements:

- Any six science courses from among the following (at least one must be a lab science course):
  - ASTR 1120, 2101, 2102
  - BIOL 1110, 1210
  - CHEM 1105†, 1110, 1210
  - CPSC 1100, 1103, 1204, 1250
  - GEOG 1110, 1120
  - MATH 1112†, 1115, 1152 (if not already counted)
  - PHYS 1100†, 1101 or 1120, 1170, 1102 or 1220

### 4. Second Year Science Requirements

- Any six science courses taken in a minimum of two different subject areas from among the following:
  - BIOL 2320, 2321, 2322, 2330, 2421
  - CHEM 2311 or 3310, 2315, 2320, 2420
  - CPSC 2302, 2405
  - ENVI 2305
  - GEOG 2310, 2320, 2390, 2400
  - MATH 2232, 2315, 2321 or 2821, 2331, 2335 or 2341, 2410, 3322, 3421
  - PHYS 2010, 2030, 2040, 2330, 2420

### 5. Additional Course Requirements

- Any two courses in Arts‡, not counting English (ENGL), plus
- Any other two courses that are designated as university transferable

### Notes:

\* Most Science degrees require both Calculus I and Calculus II. Institutions have the discretion to set higher standards, including not recognizing MATH 1112.

† Institutions have the discretion to not recognize CHEM 1105, MATH 1112 or PHYS 1100.

‡ Any Arts subject area not noted in the science categories above, and includes all geography courses not specified in the science categories above, i.e. GEOG 1101, 1160, 2140, 2170, 2185 etc.

Students lacking the appropriate prerequisites will likely require more than two years to complete the Associate of Science. Since the Associate of Science represents completion of one half of a Bachelor of Science, as long as the right courses are taken at KPU, students should ideally be able to complete their Bachelor of Science in a further two years at the receiving University.

## CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Science** degree in their chosen subject area.