

# Biology: Associate of Science Degree

<b>Faculty of Science and Horticulture</b>	kwantlen.ca/science
<b>Implementation Date</b>	01-Sep-2011
<b>Start Date(s)</b>	September January May
<b>Admission Type</b>	Open admission
<b>Enrolment Type</b>	Open enrolment
<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.kwantlen.ca/admission

## DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Biology.

## PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

## PROGRAM REQUIREMENTS

Within the framework of the Associate of Science degree, you must complete at least 60 credits with a minimum overall GPA of 2.0 and a minimum passing grade (D or better) in each course:

### First Year Science Requirements

#### All of:

BIOL 1110	Introductory Biology I	4 credits
BIOL 1210	Introductory Biology II	4 credits
CHEM 1110	The Structure of Matter	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits

#### And two more first year science courses from the following:

CHEM 1105*	Introductory Chemistry	4 credits
PHYS 1100*	Introductory Physics	4 credits

#### Either of:

PHYS 1101	Physics for Life Sciences I	4 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits

#### Either of:

PHYS 1102	Physics for Life Sciences II	4 credits
PHYS 1220#	Physics for Physical and Applied Sciences II	4 credits

#### Notes:

\* Students intending to transfer to a BSc should confirm transferability.

# UBC allows GEOG 1110, 1120, or GEOL 1210 as a substitute for PHYS 1220.

## Second Year Science Requirements

#### Four second year BIOL courses chosen from:

BIOL 2320	Genetics	4 credits
BIOL 2321	Cell Biology	4 credits
BIOL 2322	Ecology	4 credits
BIOL 2330	Microbiology	4 credits
BIOL 2421	Cellular Biochemistry	3 credits

#### And both of:

CHEM 2320	Organic Chemistry I	4 credits
CHEM 2420	Organic Chemistry II	4 credits

## CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Science Degree in Biology**.