

## Other University Programs & Transfer Options

# Bachelor of Science - Transfer

## Mathematics

- **University Transfer Program**
- **Program Fees: Domestic Students, International Students**
- **Apply for Admission**

*VIU also offers a Bachelor of Arts, Minor in Mathematics and a Bachelor of Science, Minor in Mathematics.*

## The Program

Vancouver Island University offers the first two years of a four-year B.Sc. in Mathematics. Students can transfer to a B.C. university after either the first or second year. The programs for transfer to the University of British Columbia (UBC), Simon Fraser University (SFU), and the University of Victoria (UVic) are given below. For further information, students should contact the VIU Mathematics department or the Advising Centre.

## UBC Transfer

YEAR 1	Credits
MATH 100 - (Calculus for Engineering and Physical Sciences I) <i>and</i> , MATH 101 - (Calculus for Engineering and Physical Sciences II) or MATH 121 - (Calculus I) <i>and</i> , MATH 122 - (Calculus II) <i>and</i> , MATH 110 - (Additional Calculus Topics)	6 or 7
Select <i>one</i> of the following pairs: CHEM 140* - (Chemistry Fundamentals I) <i>and</i> , CHEM 141* - (Chemistry Fundamentals II) <i>or</i> CHEM 142* - (Chemistry Fundamentals II)	8
CSCI 160 - (Computing Science I) <i>and</i> , CSCI 161 - (Computing Science II)	8
PHYS 111 - (Physics for the Life Sciences I) <i>and</i> , PHYS 112 - (Physics for the Life Sciences II) or PHYS 121 - (Physics for the Physical Sciences I) <i>and</i> , PHYS 122 - (Physics for the Physical Sciences II)	8
Degree English Requirements	6
<b>Total Credits</b>	<b>36 or 37</b>

\* Effective September 2011: **CHEM 140 will replace CHEM 122, CHEM 141 will replace CHEM 111, and CHEM 142 will replace CHEM 121.** Students who have already completed the old Chemistry courses can still use those courses to meet the **1st-year** chemistry requirements.

YEAR 2	Credits
MATH 200 - (Calculus of Several Variables)	3
MATH 241 - (Linear Algebra) <i>and</i> , MATH 251 - (Differential Equations)	6
<i>Two Arts</i> electives	6
<i>Five Science</i> electives	15
<b>Total Credits</b>	<b>30</b>

## SFU Transfer

YEAR 1	Credits
MATH 100 - (Calculus for Engineering and Physical Sciences I) <i>and</i> , MATH 101 - (Calculus for Engineering and Physical Sciences II) tor MATH 121 - (Calculus I) <i>and</i> , MATH 122 - (Calculus II) <i>and</i> , MATH 110 - (Additional Calculus Topics)	6 or 7
CSCI 160 - (Computing Science I) <i>and</i> , CSCI 161 - (Computing Science II)	8
MATH 123 - (Logic and Foundations)	3
<i>Two Arts</i> electives	6
<i>Two Science</i> electives	7 or 8
General elective	3
<b>Total Credits</b>	<b>33 or 34</b>

Transfer to SFU is suggested after Year 1 because VIU does not offer the full second year required for SFU. For those opting to remain at VIU, below is a suggested program; for full details, please consult the SFU Calendar and the online transfer guide at [bctransferguide.ca](http://bctransferguide.ca).

YEAR 2	Credits
MATH 211 - (Statistics I)	3
MATH 200 - (Calculus of Several Variables)	3
MATH 241 - (Linear Algebra)	3
MATH 251 - (Differential Equations)*	3
<i>Six</i> electives	18
<b>Total Credits</b>	<b>30</b>

\**Recommended.*

## UVic Transfer

<b>YEAR 1</b>	<b>Credits</b>
MATH 100 - (Calculus for Engineering and Physical Sciences I) <i>and</i> , MATH 101 - (Calculus for Engineering and Physical Sciences II) or MATH 121 - (Calculus I) <i>and</i> , MATH 122 - (Calculus II) <i>and</i> , MATH 110 - (Additional Calculus Topics)	6 or 7
CSCI 160 - (Computing Science I) <i>and</i> , CSCI 161 - (Computing Science II)	8
Six electives (include English, as required)	19 or 20
<b>Total Credits</b>	<b>33 or 35</b>

<b>YEAR 2</b>	<b>Credits</b>
MATH 200 - (Calculus of Several Variables)	3
MATH 241 - (Linear Algebra) <i>and</i> , MATH 251 - (Differential Equations)	6
MATH 211 - (Statistics I) <i>and</i> , MATH 212 - (Statistics II)	6
Six electives	18
<b>Total Credits</b>	<b>30</b>