

# Bachelor of Science, Majors, Minors and Transfer

## Bachelor of Science - Transfer

### PHYSICS

#### The Program

The primary reason for becoming a physicist is curiosity. Whether it is the strange world of sub-atomic particles, the operation of a laser, the motion of the planets, or even the formation of a rainbow, physicists want to understand how the universe really works.

A physics degree will provide even more than this. With training in quantitative thinking, problem solving, modeling, and experimental techniques, a physics background provides entry into a wide variety of fields. Indeed, physicists are at the forefront in many of the hottest science and technology fields such as superconductivity, nanotechnology, fuel cells, and medical imaging.

VIU offers the first two years of a four-year B.Sc. program in Physics. Students can transfer to the University of British Columbia (UBC) or the University of Victoria (UVic) after either first or second year. Students who wish to transfer to Physics programs offered at other universities need to check the program requirements of the receiving institution to determine the required courses. For further information, students should contact VIU's Physics department or the Advising Centre (250) 740-6410.

#### UBC Transfer

YEAR 1	Credits
Chemistry 121	4
English 115/116 <i>or</i> 111/112	6
Mathematics 100/101 <i>or</i> 121/122/110	6 <i>or</i> 7
Physics 121/122	8
Electives (*a,*b)	9 <i>or</i> 10

(\*a) Computing Science 160 is recommended.

(\*b) Once course in Biology is required for the honours program.

YEAR 2	Credits
Physics 211, 212, 214, 215, 216	15
Mathematics 200, 241, 251	9
Electives	6

#### UVic Transfer

<b>YEAR 1</b>	<b>Credits</b>
Physics 121/122	8
Mathematics 100/101 <i>or</i> 121/122/110	6 <i>or</i> 7
Chemistry 111/112 <i>or</i> 121/122 <i>or</i> 111/122 (*a)	0 to 8
Computing Science 160	4
English, as required (*b)	0 to 6
Electives (*c)	0 to 15

<b>YEAR 2</b>	<b>Credits</b>
Physics 211, 212, 214, 215, 216	15
Mathematics 200, 241 (*d), 251	6 <i>or</i> 9
Electives	6 <i>or</i> 9

(\*a) Required for Honours.

(\*b) First-year English courses are not required if UVic is satisfied that students are proficient in English.

(\*c) Additional Computing Science courses may be helpful for entry into the Co-operative Education option.

(\*d) Required for Honours; recommended for Major.

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