

# Pre-Professional Program Prerequisites

The University of Northern British Columbia offers students the option of completing between one and three years of pre-requisites towards various professional programs offered at other institutions.

The completion of the pre-professional courses does not guarantee admission into the subsequent professional program, as entry into each program is competitive. Program pre-requisites are listed below, as well as contact information for each program. **Students are advised to contact the institution to confirm course transferability. The information provided by UNBC is to act as a guide only.**

For questions regarding admission to UNBC or course selection, please contact Student Advising at 250-960-6306 or [advising@unbc.ca](mailto:advising@unbc.ca).

## Medicine

90 credits of coursework from UNBC\*\*  
Four years at the BC Medical School (UNBC, UVic, or UBC)  
Degree Awarded: Doctor of Medicine (MD)

*For further information please contact:*

Shelley Raper, Admissions Advisor  
Northern Medical Program – UBC MD Undergraduate Program  
UNBC, Room 9-280  
Phone: 960-5165 Fax: 1-250-960-5518  
Email: [shelley.raper@unbc.ca](mailto:shelley.raper@unbc.ca)  
Website: [www.unbc.ca/nmp](http://www.unbc.ca/nmp) or [www.mdprogram.med.ubc.ca](http://www.mdprogram.med.ubc.ca)

OR

MD Undergraduate Admissions  
Faculty of Medicine, Dean's Office  
University of British Columbia  
317 – 2194 Health Science Mall  
Vancouver BC V6T 1Z3  
Telephone: 604-875-8298  
Email: [admissions.md@ubc.ca](mailto:admissions.md@ubc.ca)

## Admission Requirements

Any two of ENGL 100, 102, 103, 104, 120 or 170  
BIOL 103/123 **AND** BIOL 104/124  
CHEM 100/120 **AND** CHEM 101/121  
CHEM 201/250 **AND** CHEM 203/251  
BCMB 306 (requires CHEM 204 with 'C' or better)  
BIOL 311 (requires BIOL 210 **AND** CHEM 204)

In addition to academic achievement, applicants should also demonstrate integrity, motivation, social responsibility, interpersonal skills, leadership and diversity of experiences.

\* All applicants must write the Medical College Admissions Test (MCAT).

\*\* The minimum requirement of 90 credits must be 90 university-transferable credits with grades taken at a post-secondary institution. AP or IB credits do not count towards the 90 minimum credits. Recommended electives to total 90 credit hours include Behavioural Sciences, Biometry, Statistics and Physics.

\*\*\*Minimum CGPA of 75%.

\*\*\*\*It is suggested that students take PHYS 110, PHYS 111, MATH 100 & MATH 101. While these courses are not pre-requisites for medical school there is a Math and Physics component on the MCAT.

## Dentistry

90 credits of coursework from UNBC  
Four years at the University of British Columbia  
Degree Awarded: Doctor of Dental Medicine (DMD)

*For further information please contact:*

Admissions Office – DMD  
Faculty of Dentistry  
J.B. MacDonald Building  
University of British Columbia  
2199 Westbrook Mall  
Vancouver BC V6T 1Z3  
Telephone: 604-822-7566  
Email: Please visit [www.dentistry.ubc.ca/dmd/contact-us/](http://www.dentistry.ubc.ca/dmd/contact-us/)  
Website: [www.dentistry.ubc.ca](http://www.dentistry.ubc.ca)

## Admission Requirements

### First Year

ENGL 100 **OR** ENGL 170 (recommended) **AND** one of ENGL 102, 103, 104, or 120  
BIOL 103/123 **AND** BIOL 104/124  
CHEM 100/120 **AND** CHEM 101/121  
CHEM 201/250 **AND** CHEM 203/251  
BCMB 306 (requires CHEM 204 with a 'C' or better grade)  
BIOL 311 (requires BIOL 210 **AND** CHEM 204)

\* All applicants must take the Dental Aptitude Test (DAT).

\*\* Minimum CGPA of 70%.

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### Optometry

90 credits of coursework from UNBC in a BSc program\*  
Four years at the University of Waterloo  
Degree Awarded: Doctor of Optometry (OD)

*For further information please contact:*

Marie Amodeo, Admissions Coordinator  
Admissions, School of Optometry and Vision Science  
University of Waterloo  
200 University Avenue West  
Waterloo, ON N2L 3G1  
Email: [opt-admissions@uwaterloo.ca](mailto:opt-admissions@uwaterloo.ca)  
Website: [www.optometry.uwaterloo.ca](http://www.optometry.uwaterloo.ca)

OR

Science Recruitment Office  
Email: [science@uwaterloo.ca](mailto:science@uwaterloo.ca)  
Telephone: 519-888-4567 ext. 36243

### Admissions Requirements

Any one of ENGL 100, 102, 103, 104, or 170  
HHSC 201  
PSYC 101 **OR** PSYC 102  
BIOL 103/123 **AND** BIOL 104/124  
BIOL 203  
HHSC 305/325 and HHSC 306/326 (requires HHSC 105 with a C or better grade)  
CHEM 100/120  
CHEM 204  
CHEM 201  
MATH 100  
STAT 240  
PHYS 100 **AND** PHYS 101 **OR** PHYS 110 **AND** PHYS 111

\* Electives to total 90 credit hours (recommended courses include Human Anatomy, Embryology, Genetics, Immunology, Linear Algebra, Geometry, Trigonometry and Histology).

\*\* All applicants must take the Optometry Admissions Test (OAT).

\*\*\*Minimum CGPA of 75%.

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### Pharmacy

60 credits of coursework from UNBC  
Four years at the University of British Columbia  
Degree Awarded: BSc in Pharmacy

*For further information please contact:*

Faculty of Pharmaceutical Sciences  
University of British Columbia  
Room 1304, 2405 Westbrook Mall  
Vancouver BC V6T 1Z3  
Telephone: 604-822-0344  
Email: [undergrad.pharm@ubc.ca](mailto:undergrad.pharm@ubc.ca)  
Website: [www.pharmacy.ubc.ca](http://www.pharmacy.ubc.ca)

### Admission Requirements

Any two of ENGL 100, 102, 103, 104, 120 or 170  
Two courses in humanities or social sciences  
BIOL 103/123 **AND** BIOL 104/124  
CHEM 100/120 **AND** CHEM 101/121  
MATH 100 **AND** MATH 101  
BIOL 210  
CHEM 201/250 **AND** 203/251  
BIOL 203  
STAT 240  
CHEM 204

\* All applicants must take the Pharmacy College Admissions Test (PCAT).

\*\* Minimum of 65% on all first attempts at first-year pre-requisites and on last 30 credits completed.

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### Veterinary Medicine

60 credits of coursework from UNBC  
Four years at the University of Saskatchewan  
Degree Awarded: Doctor of Veterinary Medicine (DVM)

*For further information please contact:*

Admissions Office – Room 3101  
Western College of Veterinary Medicine  
University of Saskatchewan  
52 Campus Drive  
Saskatoon, SK S7N 5B4  
Telephone: 306-966-7459  
Email: [wcvm.admissions@usask.ca](mailto:wcvm.admissions@usask.ca)  
Website: [www.wcvm.com](http://www.wcvm.com)

### Admission Requirements

Any two of ENGL 100, 102, 103, 104, 120 or 170 or a 200 level  
BIOL 103/123 **AND** BIOL 104/124  
CHEM 100/120 **AND** CHEM 101/121  
PHYS 100 **OR** PHYS 110  
MATH 100 **AND** 101  
BIOL 210 **AND** BIOL 203  
CHEM 201/250 **OR** CHEM 203/251  
CHEM 204

\* A student's first full year of university is given extra weight when determining academic rank and offering interviews.

\*\* Minimum CGPA of 75%.

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**Physiotherapy**

120 credits of coursework from UNBC  
Four years at the University of British Columbia  
Degree Awarded: Masters of Physical Therapy (MTP)

*For further information please contact:*

The UBC Department of Physical Therapy  
Friedman Building  
212-2177 Wesbrook Mall  
Vancouver, BC V6T 1Z3  
Telephone: 604-822-8225  
Email: [physical.therapy@ubc.ca](mailto:physical.therapy@ubc.ca)  
Website: [www.physicaltherapy.med.ubc.ca](http://www.physicaltherapy.med.ubc.ca)

**Admission Requirements**

Grade 12 CHEM **OR** CHEM 100/120  
Grade 12 PHYS **OR** PHYS 100  
HHSC 105  
HHSC 305/325 **AND** HHSC 306/326 (requires HHSC 105  
with a "C" or better grade)  
PSYC 215 **AND** PSYC 101 or PSYC 102  
ECON 205 **OR** STAT 240

\* Applicants must complete 70 hours of volunteer or work  
with persons with cognitive, emotional or physical disabilities  
at 1-2 facilities.

\*\* Two academic and one practical experience reference  
letters are required.

\*\*\*Minimum GPA of 76% in 300 and 400 level courses and  
minimum of 72% in each pre-requisite course.

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Updated: February 2015