

# PEDIATRICS AND CHILD HEALTH, PH.D.

Pediatrics and Child Health

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**Academic Staff:** Please refer to the Pediatrics and Child Health website (<https://umanitoba.ca/medicine/department-pediatrics-and-child-health/#find-an-advisor>) for Faculty information.

## Pediatrics and Child Health Program Information

The department offers graduate programs leading to Master of Science and Doctor of Philosophy degrees in Pediatric Research. The Pediatric graduate programs offer students opportunities for cutting edge, multidisciplinary, collaborative and rigorous scientific training that emphasizes translational impact of their findings for the children for whom they care.

## Admission Information

### Admission to the Faculty of Graduate Studies

Application and Admission Procedures are found in the Academic Guide (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/application-admission-registration-policies/>).

Admission requirements for doctoral students are found in the Doctor of Philosophy General Regulations (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/doctor-philosophy-general-regulations/>) section of the Guide.

### Pediatrics and Child Health Ph.D. Admission Requirements

Applicants will normally possess a research-based Master's degree in a discipline or profession consistent with pediatrics and health, with a minimum GPA of 3.25 in the last 2 full years (60 credit hours) of study. Applicants who do not possess a research-based Master's degree, but who have some research experience will be assessed on a case-by-case basis, as will those with professional Master's degrees.

Students admitted to the PhD program without a research-based Master's degree will be required to complete two additional 3 credit hour courses, PEDS 7010 Pediatric Biostatistics; and, PEDS 7020 Introduction to Research Methods, in the first two terms of their program.

## Application Information

Students should complete and submit their online application with supporting documentation by the date indicated on the Pediatrics and Child Health Ph.D. program of study (<https://umanitoba.ca/explore/programs-of-study/pediatrics-child-health-phd/>) page.

## Degree Requirements

A minimum of 15 credit hours plus a thesis is required.

The following courses are required for all students:

- PEDS 7050 Ethics and Equity in Child Health Research (3 CH)
- PEDS 7030: Equity, Diversity and Inclusion for Professionals (0 CH)
- PEDS 7080: Indigenous Child Health (0 CH)
- GRAD 7500: Academic Integrity Tutorial (0 CH)
- GRAD 7300: Research Integrity Tutorial (0 CH)

Where a student has already completed similar courses to the Pediatric Graduate Program core courses, the student may, with the recommendation of their Advisory Committee and with the approval of the Chair of the Pediatric Graduate program, or their delegate, be exempted from taking the equivalent core courses and allowed to fulfill the 3 credit hours of core courses with 3 credit hours of other courses taken at the 7000-8000 level from any college or department in the Rady Faculty of Health Sciences.

Students must select two of the following four courses, representing the three pillars which are not their home pillar:

- PEDS 7130: Multidisciplinary Immersion in Clinical Research (1.5 CH)
- PEDS 7150: Multidisciplinary Immersion in Basic Sciences (1.5 CH)
- PEDS 7160: Multidisciplinary Immersion in Population Health (1.5 CH)
- PEDS 7170: Multidisciplinary Immersion in Practice & Policy (1.5 CH)

The following courses are offered as electives, usually to be taken during the second year of study:

- PEDS 7110: Directed Readings in Pediatric Literature (3 CH)
- PEDS 7140: Practical Epidemiology (6 CH)
- PEDS 7120: Foundations in Bioinformatics (3 CH):
- PEDS 7180: Practical Qualitative and Mixed Methods (3 CH)
- PEDS 7190: Medical Education, Ethics and Engagement (3 CH)

**Expected Time to Graduate:** 4 years

## Progression Chart

Course	Title	Hours
<b>Year 1</b>		
PEDS 7030	Equity, Diversity and Inclusion for Professionals	0
PEDS 7040 or PEDS 7060	Introduction to a Clinical Environment <sup>1</sup> or Considerations in the Delivery of Virtual Care in Pediatrics	0
PEDS 7050	Ethics and Equity in Child Health Research	3
PEDS 7080	Indigenous Child Health	0
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
Ethics submission		
Research proposal		
		<b>Hours</b>
		<b>3</b>
<b>Year 2</b>		
Select 9 credit hours of electives:		9
PEDS 7110	Directed Readings in Pediatric Literature	
PEDS 7120	Foundations in Bioinformatics	

PEDS 7140	Practical Epidemiology	
PEDS 7180	Practical Qualitative and Mixed Methods	
PEDS 7190	Medical Education, Ethics, and Engagement	
Students must select two of the following four courses, representing the three pillars which are not their home pillar:		3
PEDS 7130	Multidisciplinary Immersion in Clinical Research	
PEDS 7150	Multidisciplinary Immersion in Basic Sciences	
PEDS 7160	Multidisciplinary Immersion in Population Health	
PEDS 7170	Multidisciplinary Immersion in Policy and Practice	
<b>Hours</b>		<b>12</b>
<b>Year 3</b>		
Research project		
GRAD 8010	Doctoral Candidacy Examination (written and oral)	0
<b>Hours</b>		<b>0</b>
<b>Year 4</b>		
GRAD 8000	Doctoral Thesis	0
<b>Hours</b>		<b>0</b>
<b>Total Hours</b>		<b>15</b>

<sup>1</sup> PEDS 7040 is required for students not having clinical training or background  
 PEDS 7060 is required for clinically-oriented students

## Registration Information

Students should familiarize themselves with the Faculty of Graduate Studies 'GRAD' courses applicable to their program (<https://catalog.umanitoba.ca/graduate-studies/registration-information/>). If you have questions about which GRAD course(s) to register in, please consult your home department/unit.

## Regulations

Students must meet the requirements as outlined in both Supplementary Regulation and BFAR documents as approved by Senate.

### Supplementary Regulations

Individual units may require specific requirements above and beyond those of the Faculty of Graduate Studies, and students should consult unit supplementary regulations (<https://umanitoba.ca/graduate-studies/supplementary-regulations/>) for these specific regulations.

### Bona Fide Academic Requirements (BFAR)

Bona Fide Academic Requirements (BFAR) (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#BFAR>) represent the core academic requirements a graduate student must acquire in order to gain, and demonstrate acquisition of, essential knowledge and skills.

All students must successfully complete:

- GRAD 7300 prior to applying to any ethics boards which are appropriate to the student's research or within the student's first year, whichever comes first; and
- GRAD 7500 within the first term of registration;

unless these courses have been completed previously, as per Mandatory Academic Integrity Course (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7500>) and Mandatory Research Integrity Online Course (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7300>).

Students must also meet additional BFAR requirements (<https://umanitoba.ca/graduate-studies/student-experience/core-academic-requirements/#additional-requirements-by-program>) that may be specified for their program.

### General Regulations

All students must:

- maintain a minimum degree grade point average of 3.0 with no grade below C+;
- meet the minimum and not exceed the maximum course requirements, and
- meet the minimum and not exceed the maximum time requirements (in terms of time in program and lapse or expiration of credit of courses).