



INDUSTRIAL ARTS EDUCATION

This is an integrated diploma/degree program offered by RRC Polytech and The University of Winnipeg. The program develops the teaching and technical skills you require for teaching industrial arts education programs in the public school systems.

Emphasis is placed on developing your knowledge and skills in key areas – manufacturing, power and energy, graphic communications, construction, computer applications – as well as in curriculum development and teaching methodology.

After you successfully complete the five-year program, you will receive a diploma in Industrial Arts Education from RRC Polytech as well as a Bachelor of Arts or Science and a Bachelor of Education from The University of Winnipeg.

In addition to the regular five-year **Integrated** program, there is also a three-year **After Degree** program for those who have previously completed another undergraduate degree, and a one-year **Accelerated** program for students who already hold a Bachelor of Education.

SAMPLE CAREERS

Graduates may find employment in the public school system.

SAMPLE COURSES – RRC Polytech

Construction Technology – This course presents a complete survey of the construction industry. Students will explore this rapidly growing field through teaching and learning activities which relate to broad systems of construction, concepts in pre-construction, construction, post construction and consideration of future trends. Student lab activities focusing on applied skills that include proper use of hand and power tools and selection of appropriate materials will complement studies in this area. Positive role modelling will promote safe use of equipment, materials, and processes. Topics in this course align with teaching the Manitoba Education curriculum – Industrial Arts Education.

Graphic Communications Technology 1 – This course introduces students to graphic communications through drafting, printing, photography, graphics and a variety of other communication processes and formats used in business and industry. Students will begin to use digital technology to transform traditional communication practices. Topics include communication theory, message analysis, sketching, drafting, introductory computer aided design and drafting (CADD), screen printing and photography. Positive role modelling will promote safe use of equipment, materials, and processes. Topics in this course align with teaching the Manitoba Education curriculum – Industrial Arts Education.

SAMPLE COURSES – UWinnipeg

The School System: Structure and Dynamics This course will focus upon the structure and functions of the public school system at local, provincial and national levels. Emphasis will be on organizational, political, and legal aspects of the educational system as they relate to the classroom teacher.

Inclusive Approaches to Teaching Exceptional Students This course addresses the relevant theories, delivery systems, assessment, adaptive programming, family and community involvement, and education services for children with mild to moderate cognitive, emotional, and behavioural special needs. Attention is paid to the mandated provincial curriculum and policies as well as professional, legal, ethical, and societal considerations.

PROGRAM STUDY PATTERNS

Integrated:

Year 1-5 both UWinnipeg and RRC Polytech every year

After Degree:

Year 1-2 RRC Polytech

Year 3 UWinnipeg

Accelerated:

Year 1 RRC Polytech only (apply through RRC Polytech)

REQUIRED HIGH SCHOOL COURSES

You must meet the entrance requirements for the Faculty of Education at The University of Winnipeg. If you do not meet the requirements, but are 21 years of age or older on or before December 31 in your year of admission, you may apply as a special admission student. See the University's Academic Calendar.

HOW TO APPLY

You must apply to The University of Winnipeg by March 1 for fall entry. For details and to apply online, please visit uwinnipeg.ca/apply

For more information contact a student recruitment officer at welcome@uwinnipeg.ca or 204.786.9844. In any case where the University's Academic Calendar and this fact sheet differ, the current Calendar takes precedence.

CONTACT US

Education Office

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