



October 3 / 2019

TO: Principals
School Counsellors
Adult Ed Teachers

FROM: Grant Kreuger
Technical Vocational Coordinator

RE: **4 + 1 January 12th – January 31st 2020**

Continued focus on workforce development for rural and Northern Manitoba students. Limited space for these classes is available. Apply early. Applications must be received by November 29th.

Course 1 INTRO HEAVY DUTY EQUIPMENT TECH January

In partnership with UCN/ Heavy Industrial Training Department

Students will receive one high school credit while exploring the trades of; Industrial Electrician, Heavy Duty Mechanics and Automotive Technician and the common mechanical core that connects all of the heavy industrial workplace careers. The remaining weeks will be focused on one of two skilled trade areas; Basic Service and Systems Maintenance. Students will spend time studying the introductory skills of each of the two trades.

The skills learned in the Intro Heavy Duty Equipment Tech are common to most trade areas and any heavy shops environment. Students planning on entering any one of the trades full time will have exposure to related trades and processes, as well as some of the vocabulary and tools they use. This course will serve a student well if they wish to pursue a major in the accredited mechanical program.

Trades that this course serves are; Heavy Duty Mechanic / Industrial Millwright / Automotive / Truck and Bus Mechanic / Marine and Power Products / Welder / Metal Worker and many more.

Only 8 applications from qualifying students will be accepted

Students will achieve credits 8673 20s

In partnership with University College of The North

This course provides students with an introduction to the construction industry, which is one of the biggest employers in Canada. The Building Construction Technology program prepares students for the world of work, specifically for work in the construction industry. Students are exposed to a field that has four levels of career opportunities with many different job opportunities at each level:

- **Professional - architect, engineer, urban planner, etc.**
- **Technical - surveyor, building inspector, draftsman, etc.**
- **Trades - carpenter, electrician, plumber, etc.**
- **Laborer - machine operator, cement finisher, general, etc.**

There are also many opportunities for people to start their own business after completing their training and gaining experience with employers in the construction industry. This program is beneficial to anyone interested in any career in the construction industry. In fact, the skills, knowledge, and attitudes developed in this program are highly transferable and will be useful to students pursuing any career. These skill development programs afford a student the very best foundation for entry into the Frontier Builders accredited Building Construction Program.

This credit may be used as one of the prerequisite courses enabling the student to proceed into the accredited “Frontier Builders” Carpentry Program.

Only 8 applications from qualifying students will be accepted

Students will achieve credits 8585 20s

In partnership with University College of the North Faculty of Health (Law Enforcement)

This course will provide an introduction into the demanding and challenging careers of; law enforcement officer, security guard, correctional officer, as well as providing skills that would be an asset for students wanting to enter Manitoba Emergency Services College’s Public Fire/Paramedic Diploma Program.

During this basic introduction, students will be instructed in many of the skills that are utilized in the daily duties of a career Security provider or Community Police officer. This course delivery is designed to train students by giving them the access to the best tools, equipment and instructors. This course has a history of providing a training experience like no other in emergency services.

Graduates of the UCN program are the preferred professionals for many Public Safety departments and perfect additions to training programs across the country.

Some highlights of this session are Non-Violent Crisis Intervention Certification. There is a strong physical component of this program, as they will be in the gym everyday from 2:30 to 4:00 and will be required to try the RCMP Physical Abilities test.

NOTE; space for 4 students only ages 18-21

Students will achieve credits 9174 10s Intro to TVE

Course 4 **EXPLORATION OF WELDING TECHNOLOGY** **January**

In partnership with University College of The North

This program is limited to students that have been involved with previous welding and bench metal training over the past two years and have expressed an interest in entering the Welding trade. The goal of the course is to prepare the students for advance welding technical training.

Only 8 applications from qualifying students will be accepted.

Students will achieve credit 8377 10s

Course 5 **INTRODUCTION TO HAIRSTYLING** **January**

In partnership with The Kelsey Learning Centre

This is a full credit introductory course that will focus on new and interesting hairstyles, hair health, braiding, skin care, make-up and manicures. We will also explore hairstyling trades related issues and professional conduct. This is a perfect introduction to a career path that is in high demand around the world and is prerequisite for continuing in an accredited Hairstyling Program.

- Possible career path options; Hairstylists / Barbers / Esthetician / Nail Technician / Make-up Artist / Manicurist / Salon Manager / Electrologist / Beauty Consultant / Hair Color Specialist

Only 10 from qualifying students will be accepted

Students will achieve credit 8312 20s

Course 6 **EXPLORATION OF HEALTH CAREERS** **January**

In partnership with University College of The North and The Northern Health Region

This course explores the diverse world of health care in Manitoba. There is a broad cross section of possible occupations within the Health Care industry and educational programs that can lead the student to the career destination of their choice.

- Possible career path options; Nurse / Health Care Aide / Paramedic / Lab Technician / Mental Health worker / Midwife / Home Care Worker / Diagnostic Imaging Technician
“Building People Building Community”

Only 6 applications from qualifying students will be accepted

Students will achieve credit 0099 30S

Course 7 EXPLORATION OF THE CULINARY ARTS January

In partnership with University College of The North

Introduction to Culinary Arts is foundation program of study designed to provide training opportunities in the food service and hospitality industries as well as prepare students for future studies in the Culinary Arts cluster. The course will concentrate on skills and attributes needed to fill entry level culinary and food service positions. Instruction includes training in the fundamentals of basic food production, nutrition and sanitation, and management and services. As part of the instruction, reinforcement of basic skills is provided to assist students in practicing communication skills, utilizing listening skills to follow directions, practicing basic math skills as applied to a culinary arts setting, and reading to gain information and to perform assignments and tasks as directed. Students will gain insight into a career in Restaurants and Food/Beverage Services and Culinary Arts.

Only 8 applications from qualifying students will be accepted

Students will achieve credit 8790 10s

Course 8 EXPLORATION OF ELECTRICAL TRADES TECH January

In partnership with University College of The North

This Basic Electrical Course program introduces the important rules and fundamentals related to basic industrial electricity. The target audience is individuals entering into the electrical field who need a solid foundation of basic industrial electrical concepts. Students will learn how DC and AC circuits are designed, protected and controlled. Students will discover the basic methods of estimating and measuring current flow and voltage drop in circuits. Students will gain an effective knowledge of how connection and wiring rules are used to power various devices and electrical loads to meet the electrical code relating to both residential and industrial electrician trades.

Only 6 applications from qualifying students will be accepted

Students will achieve credit 9054 10s

Course 9 DIGITAL MEDIA January

Gaming and Gaming Development

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"This program will immerse students in a variety of technology based projects. Including learning to program to create custom games & apps; design and construct robotic devices such as a robotic arm and tracked vehicles; design and create digital media using a different software tools. Build objects in 3d and print those objects and/or use them in games. VR and AR technologies will be explored as well." The final week students will take part in a "World Game Jam" as a culmination to this new exciting training opportunity. See the attachment to learn more of what a "Game Jam" is!

Only 15 applications from qualifying students will be accepted

Students will achieve credit 9094 20s

Daily Schedule :

The above programs are presented on FCI or UCN campus or a split between the partners as part of the daily scheduled classes for the month of January and June. The programs are used to further a student's knowledge in one of the disciplines described and serve as prerequisite programming for the 8 credit high school majors or entry into post-secondary education at a Manitoba college.

The intent of 4+1 is twofold; better prepare students from any age for more intense industrial training, and students from schools that do not have industrial arts programs are better equipped to make an informed decision regarding a potential career path. This format is sure to increase the effectiveness of the instruction time and increase retention rates in the majors.

EOP leads to 4+1 and 4+1 leads to informed majors intake. Student that take the major make perfect candidates for apprenticeship and post-secondary industrial training.

We request that all of our councilors, teachers and principals consider the students carefully when selecting applicants for these programs, they are entry level college benchmarks we are striving for, and we have limited seats available for these special offerings. The expectation is to have every student registered finish the program. We ask that the candidates to be schooled in their choices so the seat is occupied by a student with best intentions. Programming of the initial January session in many cases leads to further study in that discipline come June.

The flex timetable will be in use as some facilities will be shared with regular scheduled existing programs so evening and weekend shop times may be used, to fulfill necessary project targets. Time table the January session will run from January 14th to January 31st and classes each day will be 9am- 4pm daily half hour breaks for lunch and two 3 hour sessions on the two Saturdays in addition to evening theory assignments, total contact time will be 110 hours.

We need preliminary numbers as soon as possible to ensure accommodations equipment and staffing are all in place well in advance so the maximum benefits are realized for our students.

Forward Registrations to Bernadette McIntosh at E-mail Bernadette.McIntosh@fsdnet.ca

or fax her directly at 1-204-258-2063.

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If you have any questions please don't hesitate to call.

Grant Kreuger
Technical Vocational Coordinator
Frontier School Division
204-939-0677 cell
204-472-3800 ext 7811 office
grant.kreuger@fsdnet.ca