

HITV Registration Book 2018-2019



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GRADUATION REQUIREMENTS - SENIOR YEARS

ENGLISH PROGRAM

Minimum 30 Credits

<p style="text-align: center;">Compulsory Credits: 17</p> <p>Grade 9 Compulsory (5 credits) English Language Arts Mathematics Science Social Studies Physical Education/Health Education</p> <p>Grade 10 Compulsory (5 credits) English Language Arts Mathematics Science Social Studies (Geography) Physical Education/Health Education</p> <p>Grade 11 Compulsory (4 credits) English Language Arts Mathematics Social Studies (History) Physical Education/Health Education</p> <p>Grade 12 Compulsory (3 credits) English Language Arts Mathematics Physical Education/Health Education</p>	<p>Optional Credits: 13 credits from subject areas such as:</p> <p>English Language Arts Mathematics Sciences Social Studies French The Arts: -Visual Arts -Music -Drama -Dance Career Development Psychology Computer Science Technology Education: -Vocational Education -Home Economics -Business and Marketing -Industrial Arts School-Initiated Courses (SICs) Student-Initiated Projects (SIPs) Advanced Placement (AP) Special Language Credit Options (SLCOs) Private Music Option (PMOs) Royal Winnipeg Ballet International Baccalaureate (IB) Dual Credits</p> <p>See your school for a complete list of course offerings *At least one optional credit must be at the Grade 11 level *At least two optional credits must be at the Grade 12 level.</p>
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SENIOR YEARS COURSE IDENTIFICATION

Course Numbering:

The course numbering system comprises a 3-character, alpha-numeric code. The first and second characters are numerals, while the third is a letter.

E.g. English (10F)

First Character: (English 10F)

- 1 - Courses developed for Grade 9
- 2 - Courses developed for Grade 10
- 3 - Courses developed for Grade 11
- 4 - Courses developed for Grade 12

Second Character: (Math 20S)

- 0 - developed by Education and Training for 1 credit
- 5 - Developed by Education and Training for ½ credit
- 1 - Developed by schools or school divisions and registered by Education and Training
- 2 - Externally developed by an educational authority and, in the case of dual credit, a post-secondary institution (e.g., university, out-of-country).

Third Character: (Science 20F)

- G - General
- F - Foundation
- S - Specialized
- E - EAL
- M - Modified
- I - Individualized
- C - College-based
- U - University-based

Course Designations:

Foundation (F): Educational experiences which are broadly based and appropriate for all students and which may lead to further studies beyond the Senior Years (e.g. apprenticeship, college, and university). When a subject area is compulsory for graduation and there is only one course option, the designation will be F.

General (G): General educational experiences or courses with no Department-developed curricula such as School-Initiated Courses (SICs), Student-Initiated Projects (SIPs), Special Language Credits or Non-Manitoba Credits.

Specialized (S): Educational experiences in specialized areas leading to further studies beyond the Senior Years (e.g., apprenticeship, college, and university). When a subject area is compulsory and there is more than one option, the designation will be S.

EAL (E): Educational experiences designed to focus on English as an Additional Language (EAL) learning goals in the context of the subject, based on the student's assessed level of EAL proficiency, and to assist the student in making the transition into regular Senior Years programming in this content area.

Modified (M): Educational experiences intended for students with significant cognitive disabilities and where the provincial subject area curriculum outcomes have been modified to take into account the learning requirements of a student; an Individual Education Plan (IEP) is required for each student.

Individualized (I): Educational experiences intended for students with significant cognitive disabilities and that are developmentally and age appropriate and highly individualized to take into account the learning requirements of the student; an Individual Education Plan (IEP) is required for each student. NOTE: Students in individualized programming do not use Education and Training curricula. The designation indicates student participation in individualized programming.

College-based (C): Educational experiences at the college level that can be used for dual credits; credit at the Grade 11 or Grade 12 level and also for the first year of college.

University-based (U): Educational experiences at the first year university level that can be used for dual credits (credit at the Grade 12 level, and, in some cases, Grade 11) for high school graduation purposes and also for first year university.

English Language Arts

English Language Arts 10F (1 credit)

Applying Information and Communication Technology 1 15F (0.5 credits)

Applying Information and Communication Technology 2 15F (0.5 credits)

Full Year Course

These three courses are integrated to form the required Senior 1 English course. Students will be engaged in a variety of reading, writing, listening speaking, viewing and representing task, including some of the following:

- Reading novels, poetry, short stories, and nonfiction
- Completing outlines, graphic organizers, response journals, and planners
- Writing letters, paragraphs, and essays
- Creating photo collections, posters, and projects

English Language Arts 20F (1 credit)

Print Communications 25S (0.5 credits)

Keyboarding 25S (0.5 credits)

Full Year Course

Prerequisite: ELA 10F

These three courses are integrated to form the required Senior 2 English course. This compulsory course builds on skills developed in ELA 10F. Two major communication concepts – audience awareness and purpose – are emphasized with the primary focus on content, situation, audience, purpose, vehicle and process.

For Keyboarding, students will use *All The Right Type* computer software to practice and develop their typing skills. To earn this credit, a student must regularly demonstrate proper touch-typing on a standard computer keyboard with 25 words per minute accuracy and a maximum of one error per minute. For students in ELA 20F, keyboarding is incorporated into the course.

English Language Arts 30S Literary Focus (1 credit)

Prerequisite: ELA 20F

The literary focus concentrates on language used for aesthetic purposes. This is a literature-based course that examines the various genres of short story, novel, poetry and plays with an emphasis on literary forms and the inclusion of transactional materials. Students will explore the development of English literature and its relevance to modern society.

English Language Arts 30S Transactional Focus (1 credit)

Prerequisite: ELA 20F

Transactional language is driven by audience and purpose, this course places emphasis on transactional forms such as journalism, public relations, media and creative communications. A literature component is also included.

English Language Arts 40S Literary Focus (1 credit)

Prerequisite: ELA 30S

The literary focus concentrates on language used for aesthetic purposes. This is a literature-based course that examines the various genres of short story, novel, poetry and plays with an emphasis on literary forms and the inclusion of transactional materials. Students will explore the development of English literature and its relevance to modern society.

English Language Arts 40S Transactional Focus (1 credit)

Prerequisite: ELA 30S

Transactional language is driven by audience and purpose, this course places emphasis on transactional forms such as journalism, public relations, media and creative communications. A literature component is also included.

Mathematics

Math 10F (1 credit)

Full Year course

This compulsory course focuses on a variety of math topics such as:

- Number – rational numbers, exponents, order of operations, square roots
 - Patterns & Relations – linear equations, linear inequalities, polynomials
 - Shape & Space – Circles, 3D Objects, 2D Shapes, Symmetry
 - Stats & Probability – Data Analysis, Chance & Uncertainty
-

Intro to Applied and Pre-Calculus Math 20S (1 credit)

Prerequisite: Math 10F

Full Year Course

This course is intended for students to acquire advanced math skills. Topics include:

- Trigonometry
 - Relations & Functions
 - Linear Functions
 - Algebra
 - Number Sense
 - Geometry
 - Measurement
-

Applied Math 30S (1 credit)

Prerequisite: Applied and Pre-Cal Math 20S (TI-83 Graphing Calculator Required)

This course is intended for students to acquire advanced math skills. Topics include:

- Quadratic Functions
 - Proofs
 - Statistics
 - Linear Programming
 - Angles & Triangles
 - Scale
-

Applied Math 40S (1 credit)

Prerequisite: Applied Math 30S (TI-83 Graphing Calculator Required)

This course is intended for students to acquire advanced math skills. Topics include:

- Relations and Functions
 - Probability
 - Financial Mathematics
 - Design and Measurement
 - Logical Reasoning
-

Essential Math 20S (1 credit)

Prerequisite: Math 10F

This course focuses on mathematics with an emphasis on consumer applications, problem solving, decision making and special sense. Topics include:

- Personal Finance
 - Trigonometry
 - Measurement
 - Consumer Decisions
 - 2D Geometry
 - Angle Construction
 - Analysis of Games and Numbers
 - Transformations
-

Essential Math 30S (1 credit)

Prerequisite: Essential Math 20S or Intro. to Applied & Pre-Calc Math 20S

This course focuses on mathematics with an emphasis on consumer applications, problem solving, decision making and spatial sense. Topics include:

- Interest & Credit
 - Managing Money
 - 3D Geometry
 - Trigonometry
 - Relations & Patterns
 - Statistics
 - Design Modelling
 - Analysis of Games and Numbers
-

Essential Math 40S (1 credit)

Prerequisite: Essential Math 30S or Applied Math 30S

This course emphasizes consumer applications, problem solving, decision making and spatial sense.

- Analysis of Game & Number
- Vehicle Finance
- Statistics
- Career Life
- Precision Measurement
- Home Finance
- Geometry & Trigonometry
- Business Finance
- Probability

Sciences

Science 10F (1 credit)

This compulsory course looks at science as the study of the world around us. The world is always changing and science and technology are an important key to our future

Topics include:

- Atoms and Elements
- The Nature of Electricity
- Exploring the Universe

Science 20F (1 credit)

Prerequisite: Science 10F

This compulsory course is a combination of earth science, chemistry, physics and biology. Topics include:

- Chemistry in Action
 - Dynamics of Ecosystems
 - Weather Dynamics
 - In Motion
-

Current Topics in Science 30S (1 credit)

Prerequisite: Science 20F

This course addresses current issues, topics, themes, points of view and innovations through integrations of the relevant science disciplines.

Topics include:

- Nature of Science and Technology
- Science, Technology, Society and the Environment
- Scientific and Technological Skills and Attitudes
- Essential Concepts

Biology 30S (1 credit)

Prerequisite: Science 20F

Biology is highly relevant to our daily lives on this planet because it touches upon a wide variety of human activities.

Topics include:

- Basic Anatomy
- Physiology and Human Disorders
- Gas Exchange
- Circulation
- Blood and Immunity
- Excretion
- Control Mechanisms
- Digestion
- Support and Locomotion



Social Studies

Social Studies: Canada in The Contemporary World 10F (1 credit)

This compulsory course focuses is designed to help students become more familiar with our country.

Topics include:

- Diversity and Pluralism
 - Democracy and Governance
 - Canada in the Global Context
 - Opportunities and Challenges for Canada
-

Geography 20F (1 credit)

Prerequisite: Social Studies 10F

This compulsory course is designed to help students become more familiar with the physical and human geography of North America

Topics include:

- Geographic Literacy
 - Natural Resources
 - Food from the Land
 - Industry and Trade
 - Urban Places
-

History of Canada 30F (1 credit)

Prerequisite: Geography 20F

This compulsory course focuses on the history of Canada. Emphasis is placed on thinking and writing skills in conjunction with an understanding of the history of Canada.

Topics include:

- First Peoples and New France (before 1763)
 - British North America (1763 – 1867)
 - Becoming a Sovereign Nation (1867 – 1931)
 - Achievements and Challenges (1931 – 1982)
 - Defining Contemporary Canada (1982 – present)
-

History of Western Civilization 40S (1 credit)

Prerequisite: History 30F and ELA 30S

This course is an overview of the development of European history from the ancient to the modern period. Topics to be studied include those events that led to great changes and enhanced the development of western civilization.

Topics include:

- Early Greek and Roman
 - The Rise of Christianity
 - The Medieval Period
 - The Reformation
 - Political Revolutions
 - Industrial Revolution
-

Global Issues 40S (1 credit)

Prerequisite: Geography 20F

Students conduct inquiry into the social, political, environmental and economic impact of emerging global issues. As a mandatory component of this course, students plan and implement a community based action-research project.

Topics include:

- Media
- Consumerism
- Environment
- Global Weather and Power
- Social Justice and Human Rights
- Biotechnology
- Modern Day Slavery

Technology

Digital Pictures 25S (0.5 credit)

In this course, students will use Adobe Photoshop Elements software, scanners, and digital cameras to create, capture, and manipulate images.

Topics include:

- Capturing still images
 - Editing digital images
 - Combining text and images
 - Creating new images
 - Applying styles and effects to digital images
-

Desktop Publishing 35S (0.5 credit)

In this course students will learn to use Microsoft Publisher 2003 to create professional-looking documents.

Topics include:

- Business Cards
 - Letterhead
 - Brochures
 - Advertisements
 - Newsletters
-

Drafting and Design

Drafting 10G (1 credit)

This course will help you gain knowledge and understanding of the world of drafting and design.

Topics include:

- What is Drafting
 - Drafting Equipment and Practices
 - Sketching
 - Measuring/Scales
 - Geometric Applications
 - Single View Template Drawings
 - Basic Dimensioning
 - Multiview Drawings
 - Pictorial Drawings
 - Sectioning
 - Pattern Development
-

Intro to CADD 30S (1 credit)

In this course, students will learn to use Auto Desk Auto Cad design software to create detailed models of parts and objects. This course is scheduled to be offered during the 2019-2020 school year.

Topics include:

- The Coordinate System
 - Two-Dimensional Drawings
 - Object Snaps
 - Layers
 - Dimensioning
 - Model and Paper Space
 - Basic Three-Dimensional Drawings
-

Home Economics

Home Economics 10G (1 credit)

This course specializes in hands-on learning experiences through the integration of skills and knowledge that can be applied to authentic home/life situations.

Topics include:

- Nutrition and Food
 - Clothing and Textiles
-

Family Studies 30S (1 credit)

Family studies courses offer a preventative, proactive, and practical approach to support families. Young people have the opportunity to explore issues and experience hands-on learning experiences related to daily living.

Topics include:

- Parenting
 - Infant Development
 - Needs of Infants/Children
 - Interaction with Infants
 - Wellness
 - Uniqueness of the Individual
-

Business Education

Business Innovations 10G (1.0 credit)

Business Innovations is an introductory course that allows students to sample the various strands within the applied commerce education program. The course offers students the opportunity to explore commerce-related topics, such as economics, entrepreneurship, business, marketing, technology, and finance. Throughout the course, students will apply the concepts and strategies they learn to a variety of creative business projects or simulations. It is the suggested introduction to all of the other courses offered in the applied commerce education subject area.

Topics include:

- Critical, creative, and innovative thinking
- Current and emerging technologies used in business and industry
- Business communication skills
- Ethical and legal standards

- Historical influences and emerging trends
- Awareness of sustainability in business
- Employability skills
- The role of business in society
- Understanding concepts and principles of business

Accounting Principles 30S (1 credit)

Accounting is sometimes called “the language of business.” It involves identifying, measuring, recording, interpreting and communicating the results of business activities. It is used as a basis for controlling resources, determining profits, and measuring accomplishments. This course will be offered 2018-2019 and then scheduled on a two year rotation.

Topics include:

- Introduction to Accounting Principles
 - The Income Statement
 - Journals and Ledgers
 - Financial Statements
 - Cash Control
 - Merchandising Business
 - Payroll
 - Income Tax
-

Marketing and Digital Commerce 40S (1 Credit)

This course helps students develop an understanding of marketing activities from both a theoretical and a practical approach. The course focuses on applying marketing concepts, principles, and strategies in making decisions related to product, price, place, and promotion. Students will apply these concepts and their own creativity through hands-on applications and the creation of a marketing plan.

Law 40S (1 credit)

This course explores what law is and why we have laws, how laws are made and enforced, and the different types of law which make up Canada's legal system.

Topics include:

- Introduction to the Canadian Legal System
- Criminal Law
- Tort Law
- Contract Law
- Property Law

Physical Education

Physical Education 10F (1 credit)

This compulsory course includes 50% of the time spent on physical education-related student learning outcomes and 50% of the time spent on health education-related student learning outcomes. Topics include:

- Movement
- Fitness Management
- Safety
- Personal and Social Management
- Healthy Lifestyle Practices

Physical Education 20F (1 credit)

This compulsory course includes 50% of the time spent on physical education-related student learning outcomes and 50% of the time spent on health education-related student learning outcomes. These outcomes build on what was covered in Phys. Ed. 10F. Topics include:

- Movement
- Fitness Management
- Safety
- Personal and Social Management
- Healthy Lifestyle Practices

Physical Education 30F (1 credit)

This compulsory credit focuses on physical education and leadership skills. It also builds on the skills acquired in Phys. Ed. 20F.

- Movement
 - Fitness Management
 - Safety
 - Personal and Social Management
 - Healthy Lifestyle Practices
-

Physical Education 40F (1 credit)

This compulsory credit focuses on physical education and leadership skills. It also builds on the skills acquired in Phys. Ed. 30F.

- Movement
 - Fitness Management
 - Safety
 - Personal and Social Management
 - Healthy Lifestyle Practices
-

Other Optional Courses

Visual Arts 10S (1 credit)

The purpose of this course is to help students become more knowledgeable about visual art. One of the main goals of this course is to develop a strong foundation of language that allows us to express our ideas about the different forms of art that we view or create.

Topics include:

- Elements of art (line, shape, colour, value, space, texture)
 - Art media and techniques (Drawing, painting, oil pastels, sculpture)
 - Art Criticism
-

Visual Arts 20S (1 credit)

In this course, students will explore a variety of artistic media and techniques to create original finished art pieces. We focus on the principles of design as well as interpreting and connecting to art.

Topics include:

- Principles of art (emphasis, rhythm, balance, proportion, movement and variety)
- Historical Art Movements (Surrealism, Impressionism, Canadian Artists)
- Steps to art criticism
- Art Media (drawing, oil pastels, acrylic and water colour paints)

Reading Mentorship 31G (1 credit)

This course is a cross age tutoring program that pairs high school “reading coaches” with primary “reading buddies” who need help in reading. You will be required to read with a reading buddy for 20 minutes each day and record your sessions in a logbook.

Topics include:

- The Building Blocks of Reading and Writing
- Tutoring Strategies for the Primary Grades
- Using Levelled Books
- Running Records and Assessment
- Speech and Language Development
- Reading and Learning Disabilities

Cultural Exploration Student Initiated Project (1 credit)

You can gain valuable educational experience by enhancing your knowledge of your own cultural origins. You are able to get one credit by completing this project. Depending on the complexity of the project you could receive a grade 9, 10, 11, or 12 credit. You can take longer than one school year to complete the project. Part of the project requirement is participation in activities related to your Hutterite culture as well as completing written assignments. The final project will be compiled as a portfolio that reflects all aspects of Hutterian life.

Career Development

A maximum of eight credits can be achieved toward graduation in Career Development. These credits are:

- Life/Work Exploration 10
- Life/Work Planning 20

- Life/Work Building 30
- Career Development Internship (CDI) 30
- Credit for Employment (CFE) 30

- Life/Work Transitioning 40
- Career Development Internship (CDI) 40
- Credit for Employment (CFE) 40

CAREER DEVELOPMENT COURSES

The career development curricula have been designed to connect school learning with workplace and labour market realities. The courses will attempt to provide a smoother transition between high school graduation and more appropriate post-secondary educational programming. These courses will help students acquire and apply knowledge and skills to make appropriate decisions for life, work, and the essential post-secondary education/training that is required in today's economy. The experiential learning components will provide students with opportunities to explore potential occupations, and to demonstrate employability skills, essential skills, and specific occupational skills. The broad range of experiences may vary from community visitor presentations or volunteerism to community placements through which students have opportunities to gain knowledge and learn skills that are sometimes not available to them in their school setting.

The time allotted for community-based activities varies with the course level, with more time assigned to the higher grades. The following departmental curricula will be available:

Grade 9 Career Development: Life/Work Exploration

Grade 10 Career Development: Life/Work Planning

Grade 11 Career Development: Life/Work Building

Grade 12 Career Development: Life/Work Transitioning

With career information and experience, students will acquire enhanced self-confidence, motivation, and self-knowledge, and a greater sense of direction and responsibility.

CREDIT FOR EMPLOYMENT (CFE)

CFE offers students, who are a minimum of 16 years of age the opportunity to earn a high-school credit in Credit for Employment. The CFE allows students to implement career development principles such as essential employability skills into the authentic context of work. Through employment, students will have an opportunity to apply and refine the knowledge and skills acquired in the Career Development Life/Work courses. Furthermore, the CFE will provide students with valuable workplace experience that will contribute to their career-life planning.

Students may earn a maximum of two CFE credits towards graduation. For more information: <http://www.edu.gov.mb.ca/k12/cur/cardev/cfe/index.html>

CAREER DEVELOPMENT INTERNSHIP (CDI)

CDI offers students who are a minimum of 16 years of age the opportunity to earn a high-school credit in Career Development Internship. The CDI option provides students with the opportunity to consider their career interests and locate an internship placement where they can earn credit while advancing their career future. Internship credits integrate career development theory, knowledge, essential skills, employability skills, and attitudes with meaningful learning experiences in an internship setting. The knowledge, skills and attitudes learned from internships can increase a student's competence and confidence and provide more awareness of the employment opportunities that exist in their community as well as the educational and training requirements for these opportunities. Through internship, students have an opportunity to apply and refine the knowledge and skills acquired in the Career Development Life/Work courses. Furthermore, the CDI will provide students with valuable internship site experience that will contribute to their career-life planning. Students may earn a maximum of two CDI credits towards graduation. For more information:

<http://www.edu.gov.mb.ca/k12/cur/cardev/cdi/index.html>

Internships toward Career Development Credits

Agribusiness Internship

This apprenticeship course requires the students to complete a journal based on their work involving agribusiness. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Development of Agriculture in Manitoba
 - Farm Business Structures
 - Farm Enterprise Plan
 - Evaluating Farm Plans
 - Farm Diversification
 - Farm Financial Document
-

Baking Internship

This internship course requires the students to complete a journal based on their work cooking in the colony kitchen. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Tools and Equipment
 - Principles of Baking
 - Bakeshop Ingredients
 - Quick Breads
 - Yeast Breads
 - Cookies and Brownies
 - Pastry Doughs
-

Beef Cattle Internship

This apprenticeship course requires the students to complete a journal based on their work involving beef cattle. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Anatomy and Physiology
 - Physical Requirements
 - Feed
 - Diseases
 - Structures and Equipment
-

Carpentry and Construction Internship

This apprenticeship course requires the students to complete a journal based on their work involving carpentry and construction. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Construction Safety and Health
 - Hand Tools
 - Power Saws
 - Electric Drills
 - Power Tools
 - Nailing and Stapling Systems
 - Wood as a Building Material
 - Moulding and Trim
-

Child Care Internship

This internship course requires the students to complete a journal based on their work involved with children. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Child Rearing
 - Health and Safety
 - Child Development – Physical, Emotional, Social, Cognitive
 - Nutrition
-

Cooking Internship

This internship course requires the students to complete a journal based on their work cooking in the colony kitchen. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Food Service
 - Safety and Sanitation
 - Nutrition
 - Cooking Techniques
 - Enhancing Food
 - Soups
 - Poultry
-

Dairy Internship

This apprenticeship course requires the students to complete a journal based on their work involving dairy cattle. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Anatomy and Physiology
 - Physical Requirements
 - Feed
 - Diseases
 - Structures and Equipment
-

Electrical Internship

This internship course requires students to complete a journal based on their work involving electricity. Students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Basic Concepts
 - Electrical Quantities and Units
 - Basic Currents, Laws and Measurements
 - Circuit Components
 - Multiple-load Current
 - Magnetism and Electromagnetism
 - Alternating Current and Voltage
 - Power in AC Current
-

Feed Mill Internship

This internship course requires the students to complete a journal based on their work in the feed mill. The students are also required to read the assigned material and complete graphic organizers based on their readings.

Topics include:

- Safety procedures
 - Health hazards
 - Principles of nutrition
 - Physiology of digestion
 - Growth-finish phase of swine production
 - Growth/Finisher ration management
 - Improved profits through feed intake
-

Greenhouse Internship

This internship course requires the students to complete a journal based on their work in the garden over the growing season. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Production of foliage, flowering and bedding plants
 - Evaluation of greenhouse structures, equipment, materials, environmental controls,
 - Scheduling of production
 - Upkeep and organization of the greenhouse
 - Ordering supplies, soil and plants
-

Honey Bees Internship

This apprenticeship course requires the students to complete a journal based on their work involving honey bees. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- The Honey Bee
 - Getting Started in Beekeeping
 - Nectar and Pollen Plants and Supplementary Feeding
 - Honey and Removing Honey from the Hive
 - Spring, Fall and Winter Management
 - Extracting Honey
 - The Queen
 - Honey Bee Health
-

Horticulture Internship

This internship course requires the students to complete a journal based on their work in the garden over the growing season. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Horticulture Industry
 - Growing Medias
 - Plant Growth
 - Plant Propagation
 - Landscaping
 - Lawn Management
 - Vegetable Gardening
-

Pork Production Internship

This internship course requires the students to complete a journal based on their work in the garden over the growing season. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Structure of Pork Production Industry
 - Basic Stockmanship
 - Communications
 - Recommendations & Regulations of Pork Production Industry
-

Poultry Production Internship

This internship course requires the students to complete a journal based on their work in the area of poultry production. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Broilers
 - Dead Bird Disposal
 - Diseases
 - Egg Layers
 - Feed
 - Housing
 - Water and Water Medication
 - Ventilation and Barns
-

Small Engine Internship

This internship course requires the students to complete a journal based on their work involving small engines. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Safety in the Small Gas Engine Shop
 - Tools & Measuring Instruments
 - Fasteners, Sealants, and Gaskets
 - Engine Construction & Principles of Operation
 - Two-Cycle & Four-Cycle Engines
 - Measuring Engine Performance
 - Fuel and Emission Control Systems
 - Carburetion
-

Welding Internship

This internship course requires the students to complete a journal based on their work in the garden over the growing season. The students are also required to read the required material and complete graphic organizers based on their readings.

Topics include:

- Safety, Policies and WHMIS
- Welding Principles and Oxyacetylene Safety Equipment
- Cutting using Oxyacetylene
- Welding Sheet Metal
- Soldering and Silver Brazing

HIGH SCHOOL APPRENTICESHIP

The High School Apprenticeship Program (HSAP) is all about on-the-job experience with an employer. HSAP provides practical, paid, work experience and credit towards your high school diploma. The purpose of HSAP is to provide an opportunity for early entry in the trades and build interest with youth. Students are then able to transfer their hours of HSAP on-the-job training after graduation to a Level One Apprenticeship training program.

Learn more:

https://www.gov.mb.ca/wd/apprenticeship/pdfpubs/pubs/general/promotional/hsap_brochure.pdf.

POST-SECONDARY INFORMATION

Students considering post-secondary education must select courses during their high school years that prepare them for their selected post-secondary education. The following will provide a brief outline of entrance requirements to some of Manitoba's post-secondary institutions. More detailed information is available through the career counsellor.

ENTRANCE REQUIREMENTS

University of Manitoba

https://www.umanitoba.ca/student/admissions/media/High_School_Prerequisites.pdf

University of Winnipeg

<https://uwinnipeg.ca/future-student/requirements/mb-hs-students.html>

University of Brandon

<https://www.brandonu.ca/future-students/apply/high-school/requirements/>

Canadian Mennonite University

http://www.cmu.ca/become.php?s=undergrad&p=admission_reg

Red River College

<http://www.rrc.ca/index.php?pid=9052>

Assiniboine Community College

<http://assiniboine.net/admissions/applying-to-acc/admission-requirements>

Manitoba Institute of Trades and Technology

<http://mitt.ca/admissions>