



*Life Well Learned.*

## **Mennonite Brethren Collegiate Institute**

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**Course Catalogue  
2022-2023**

**"For no one can lay any foundation other than the one already laid, which is Jesus Christ."**

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# The Mennonite Brethren Collegiate Institute

## Mission Statement

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Mennonite Brethren Collegiate Institute is a Christ-centered middle and secondary school committed to educational excellence where students learn in an environment nurturing physical, mental, emotional, and spiritual health.

## Profile

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Mennonite Brethren Collegiate Institute (MBCI) is an independent Christian middle school and high school serving students in Grades 5 through 12. MBCI provides an academic program leading to High School Graduation and entrance to all post-secondary institutions. At MBCI it is our goal to place Jesus Christ at the center of all our activities. We desire that students would develop a relationship with Jesus Christ. The school is known for its high academic standards, strong fine arts programming including choir, band, drama, and art, and its excellent athletic program. Above all MBCI provides a safe learning environment where students can grow and express themselves and their Christian faith. All MBCI teachers are committed Christians and certified by Manitoba Education.

## History

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Mennonite Brethren Collegiate Institute was founded in 1945 by the Mennonite High School Society and dedicated itself to the task of providing Christian, Mennonite education at the secondary level. In 1964, the Manitoba Conference of Mennonite Brethren Churches acquired the facilities and began operating the school. Over the years the school has expanded its traditional base in the Mennonite Brethren community to include students and staff from a wide range of Christian traditions but remains true to its Anabaptist Mennonite roots through the teaching of Christian service and the gospel of peace. In July 2006 Mennonite Brethren Collegiate Institute Incorporation was formed. The Manitoba Conference of Mennonite Brethren Churches is a member of MBCI Inc.

## Admission

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All students, regardless of background, entering Grade 5 through Grade 12, may apply for admission to MBCI. Application forms are available at the school office or on the school web site: [www.mbc.mb.ca](http://www.mbc.mb.ca).

MBCI is an independent denominational school, affiliated with the Mennonite Brethren Churches of Manitoba. The following priority will be given to applications received prior to February 28 of each year:

- Students who are members of, or whose parents/guardians are members of, a Mennonite Brethren Church.
- Applicants with siblings currently attending MBCI.
- Applicants with a parent/guardian who is an alumnus.

For all students, a final decision on acceptance is made following an interview between prospective students, their parent/guardian, and school administration.

## **Financial Information**

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Tuition for the current school year is posted on our website. Due to the generosity of donors, the Bursary Fund and Scholarships are available for new and returning students. Please contact the office for details regarding these opportunities.

Fundraising opportunities are offered during the school year to help cover fees other than tuition. Students may fundraise at any time and carry the balance forward to future years.

## **Academics**

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MBCI offers a strong academic program that meets and exceeds the requirements of Manitoba Education. MBCI students consistently outperform the provincial averages on standard tests and MBCI graduates continue to excel in all areas of post-secondary studies. A number of Advanced Placement courses are also available at MBCI. These offer students the ability to gain university standing or credit while still in high school.

## **Spiritual Emphasis**

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MBCI offers chapels, bible studies, prayer meetings, school life group meetings, a Spiritual Emphasis Week and other special events to encourage students to examine their spiritual self and how the Christian life relates to today's world. All students are required to take Biblical Studies classes. These classes allow students to examine the Bible, spiritual truths, and ethical issues, as well as provide the opportunity to live out their beliefs through structured service projects.

## **School Culture**

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MBCI seeks to be a place where students can build meaningful, lifelong friendships — friendships based on common beliefs and values. The staff and administration of MBCI strive to create and maintain an environment where positive lifestyles and practices can and do thrive.

## **Student Services**

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Student Services is a safe, caring environment where student confidentiality and well-being are priorities. We are staffed with a Guidance Counsellor/Resource Teacher, Campus Pastor, Educational Assistants and Math/Science tutor. The Student Services team is committed to addressing the individual needs of all students whether their needs are physical, mental, spiritual, emotional or academic. Since our clinical support is limited, we rely on external assessments to provide recommendations for adaptations or accommodations. Services that we offer include: counselling (personal, spiritual or career), academic program planning, career planning, one-on-one assistance with homework or organization strategies. There is space available for quiet work, for tutoring or for social connections.

## **Music**

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There is a strong culture of music-making at MBCI, with curricular choir, band, and jazz band ensemble courses in every grade. There are frequent co-curricular opportunities to be involved, including full musical productions, chapel worship teams, talent shows, solo and chamber performances, auditioning for provincial honour ensembles, and special events in the school community.

Each year, MBCI rotates between a musical production (involving students in all grades) and a music tour (involving the grade 10 – 12 ensembles) to major destinations across the United States and Canada.

MBCI has a rich musical heritage. Our last seven school-wide musical productions, *Oliver* (2019), *Willy Wonka & The Chocolate Factory* (2017), *Beauty and the Beast* (2015), *The Sound of Music* (2013), *Fiddler on the Roof* (2011), *The Wiz* (2009), and *Pirates of Penzance* (2007) have each won the Rainbow Stage High School Musical Performance Award. MBCI's Concert Choirs, Concert Bands, Jazz Bands and Chamber Singers have maintained a reputation for performing excellence in festival, church and community concerts. Senior ensembles regularly travel on extended tours, with regular recommendations to perform at MusicFest Canada based on their work at local festivals such as Choralfest, the Classic 107 Concert Band Festival and the Brandon Jazz Festival. Many graduates have gone on to further studies in performance, music education and composition, and made music their career. All have graduated with the tools for nurturing a life-long avocation in music, as creators, performers and listeners.

## **Information and Communication Technology**

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Information and Communication Technology (ICT) is infused in the MBCI curriculum from grades 5 – 12. ICT includes computers, laptops, tablets, digital cameras, video cameras, digital microscopes, scanners, cell phones, electronic games, digital audio devices, global positioning systems, electronic whiteboards and the internet. ICT in the classroom will continue to evolve as new technologies emerge over time. The school offers ICT courses at various grade levels including courses in computer programming.

The high school computer courses are designed to provide students with the skill and knowledge to collect, manipulate, and analyze information and to solve problems. Three areas are covered by the courses offered at MBCI.

1. Design web-based graphics and text to be published.
2. Combine sound, still images, moving images, text, graphics and animation into a video product.
3. Write and design programs using programming languages.

## **International Student Program of Studies**

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MBCI offers a dynamic program for international students from Grades 7 to 12, for both short-term and long-term studies.

Features of the program include:

- Intensive EAL studies to support students for academic success in all subject areas
- Certified EAL specialist teacher provides individualized English language assessment and lesson planning
- Homework support in regular class subjects
- Individualized tutor support can be arranged
- High School Graduation
- Career and Guidance Planning for University/College
- Canadian Homestay with a caring family which supports the faith and ideals of MBCI can be arranged through MBCI's dedicated Homestay Coordinator upon request
- Monthly evening educational and cultural field trips and activities
- Social connections encouraged through co-curricular clubs and partnerships with Canadian students

## Inter-School Athletics

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MBCI is a member of the Manitoba High Schools Athletic Association. Their recruitment and transfer policies are as follows:

- **Recruitment:** *The Manitoba High Schools Athletic Association opposes any attempt to recruit student athletes from one member school to another. Recruiting is defined as a representative of the school (teacher, administrator, school division employee, coach, student, parent, alumnus or any other person representing themselves as a school contact) either directly or through another party, encouraging a student to transfer to their school, for the purpose of being involved in co-curricular athletic activities.*

For more information on their Recruiting policy, please go to the following page on their website:

<https://www.mhsaa.ca/about/recruiting-policy/>

- **Transfers:** *No school shall include in its athletic line-up, or eligibility sheet, any student who has transferred from another school within the previous twenty four (24) months. The MHSAA Transfer Policy applies to all students transferring into Manitoba high schools. This applies once a student has enrolled in grade 10. This does not affect students currently enrolled in grade 9. In accordance with the Association's Appeal Process, a **school** may apply to the MHSAA Transfer Appeal Committee based on certain criteria.*

For more information on MHSAA's Transfer rule go to the following page on their website:

<https://www.mhsaa.ca/about/transfer-policy/>

## Middle School Program of Studies: Grades 5, 6, 7 & 8

The MBCI middle school program of studies is designed to allow students to experience a broad range of learning experiences encouraging the development of the whole person. MBCI takes pride in its strong academic, music and physical education programs, as well as a wide range of co-curricular activities.

The program consists of a blend of courses standard to any middle school and courses such as Biblical Studies and Music that are characteristic of MBCI. The middle school subject teachers together with the guidance counsellor and the learning assistants meet regularly to plan the learning experiences of the students. The team monitors the progress of each student and seeks to enhance the experience of all the students. Middle school students have their own cafeteria and gym for lunch time activities. Each year grade 6 and grade 8 students take an excursion to a Manitoba camp for an Outdoor Education experience.

For additional information relating to the music program please see Department Specific Policies, Music on page 9.

MBCI will make every effort to ensure that students receive the courses they have selected. In some cases, staffing and low demand for a course might cause its cancellation. Scheduling constraints might make some course combinations unavailable.

Grade 05	Grade 06	Grade 07	Grade 08
<b>Core:</b> Biblical Studies English Language Arts Mathematics Music Physical & Health Education Science Social Studies	<b>Core:</b> Biblical Studies English Language Arts Mathematics Music Physical & Health Education Science Social Studies	<b>Core:</b> Biblical Studies English Language Arts Mathematics Music Physical & Health Education Practical Arts: Art, Drama, Nutrition, and Woodworking Science Social Studies	<b>Core:</b> Biblical Studies English Language Arts Mathematics Physical & Health Education Science Social Studies
<b>Language:</b> French: Communication & Culture	<b>Language Option Students must select one of:</b> Advanced French* Advanced German* French: Communication & Culture	<b>Language Option Students must select one of:</b> Advanced French* Advanced German* French: Communication & Culture	<b>Language Option Students must select one of:</b> Advanced French* Advanced German* French: Communication & Culture
	<b>Free Choice Options Students must select one of:</b> Art Concert Band **	<b>Free Choice Options Students must select one of:</b> Art Concert Band **	<b>Free Choice Options Students must select two of:</b> Art and Woodworking Concert Band ** Concert Choir Drama

\* Advanced language courses are for students arriving from German Bilingual or French Immersion language programs, or for those who have taken the advanced courses at MBCI.

\*\* Concert Band students may also choose to audition for Jazz Band.

Note: Students may opt for EAL if their first language is not English and need individualized support to succeed in their core classes.

## High School Program of Studies

MBCI offers a full program of studies for the high school student. Core courses such as Biblical Studies, English, Physical Education/Health Education and Mathematics are mandatory at every level. A wide range of additional compulsory and electives provides the student with a well-rounded education.

### Graduation Requirements

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Students who enter the MBCI high school program in Grade 9 or Grade 10 are required to complete 33 high school credits in their four years of high school to receive an MBCI graduation diploma. This is three more than the Provincial requirement of 30 credits; the three extra credits are earned in Grades 9 through 12 due to the Biblical Studies course. Students entering MBCI after grade 10 will have credits adjusted accordingly. All students who have earned 30 credits and have met all other Provincial requirements by the end of their Grade 12 year will receive a Provincial diploma.

Students must pass all core courses, including Biblical Studies, in order to continue to the next grade. Students must successfully complete Biblical Studies 41G in order to participate in the MBCI graduation ceremony.

### Minimum Course Loads

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In addition to the credit requirements, the school sets minimum course load requirements for each grade. The minimum course load requirements are listed in the detailed program descriptions that follow. Students may take courses beyond the minimum but should be aware that scheduling considerations or low demand might preclude some course combinations.

### Recommendations and Procedures for Course Selections

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#### Time for Course Selection

New students applying to attend school at MBCI will be asked to submit a course selection form following their interview. Returning students will be asked to make their course selections by the end of February for the following year. Parents are strongly urged to assist their student in making suitable course choices. Parental approval of the course selections is required. The guidance counsellor and/or assistant-principal will be available to help students and parents in making course selections. Some courses require auditions and/or have prerequisites. These details are outlined in the detailed course descriptions, see pages 15-37.

#### Course Changes

Students are asked to choose their courses carefully and are strongly urged to continue in a course of study once they have started. Students, with the approval of the guidance counsellor, may make course changes until **September 16, 2022 (Semester 1) and February 10, 2023 (Semester 2)**. The deadline for math course changes are **September 23, 2022 (Semester One) & February 21, 2023 (Semester Two)**.

#### Dropping Courses

Only with the approval of the parents and the guidance counsellor may a student add or drop a course after the course change deadline. Courses dropped late in the school year will be reflected in the academic record with VW (voluntary withdrawal). Exceptional circumstances notwithstanding, November 18, 2022 (Semester 1) and April 21, 2023 (Semester 2) marks the last day students may withdraw from a course without academic penalty. In general, a mark of 35 will be assigned to those courses dropped after the deadline above.



### Course Availability

MBCI will make every effort to ensure that students receive the courses they have selected. In some cases staffing and low demand for a course might cause its cancellation. Scheduling constraints might make some course combinations unavailable.

**PLEASE NOTE:** Students WILL NOT be directly notified of course cancellations or changes prior to receiving their schedules. Therefore, it is important for students to carefully review their schedules for any changes to initial course selections as soon as schedules have been received.

## Department Specific Policies

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### Biblical Studies

Biblical Studies is a core course at MBCI. Biblical Studies courses from grade 7-12 have a mandatory service component. For students in grade 7 and 8, the hours will be facilitated through their class and organized by their teacher. Students in grade 9 – 12 are expected to complete a minimum of 15 hours of service each year at the place of their choosing. A presentation of their service is also required. A passing grade in Biblical Studies is required for students to be promoted to the next grade level. Students who fail to pass a Biblical Studies course but have shown concerted effort will be given an opportunity to do a summer project to receive credit in the course. A Biblical Studies credit is required at each grade level to fulfill MBCI graduation requirements. Therefore, a minimum of 33 credits is required for graduation from MBCI. The provincial graduation requirement is 30 credits.

### Mathematics

In order for students to continue with their math course option from previous years, the following math course options are offered.

- Grade 10            Essential Mathematics  
                          Introduction to Applied and Pre-Calculus Mathematics
- Grade 11 & 12    Applied Mathematics  
                          Essential Mathematics  
                          Pre-Calculus Mathematics

Specific information regarding mathematics courses is outlined on pages 15-34. For mathematics pre-requisites see the table below.

Course	Prerequisite
Essential Mathematics 20S	Mathematics 10F
Essential Mathematics 30S	Any 20S Mathematics
Essential Mathematics 40S	Any 30S Mathematics
Introduction to Applied and Pre-Calculus Mathematics 20S	Mathematics 10F (60% recommended)
Applied Mathematics 30S	Introduction to Applied and Pre-Calculus Mathematics 20S (60% recommended)
Applied Mathematics 40S	Applied Mathematics 30S OR Pre-Calculus Mathematics 30S (60% recommended)
Pre-Calculus Mathematics 30S	Introduction to Applied and Pre-Calculus Mathematics 20S (70% recommended)
Pre-Calculus Mathematics 40S	Pre-Calculus Mathematics 30S (70% recommended)

## Mathematics Course Selection Guidelines

Students who receive a mark of less than 60% in a mathematics course should strongly consider Essential Mathematics for the following year. Applied Mathematics or Pre-Calculus Mathematics might be too difficult for these students. Students should seek the advice of their mathematics teacher or the guidance counsellor if in doubt about which mathematics option to take.

## Mathematics Course Changes

Students often have difficulty selecting which stream of mathematics they will pursue. Often this choice significantly affects their high school experience. To allow students more time to evaluate their choices the following course change dates have been set for mathematics courses.

Courses	Course Change Deadline
From Intro to Applied & Pre-Calculus Mathematics to Essential Mathematics (Grade 10)	Semester 1: September 23, 2022 Semester 2: February 21, 2023
From Applied or Pre-Calculus Mathematics to Essential Mathematics (Grade 11 and 12)	Semester 1: September 23, 2022 Semester 2: February 21, 2023
From Pre-Calculus Mathematics to Applied Mathematics (Grade 11 and 12)	Semester 1: September 23, 2022 Semester 2: February 21, 2023

## Modern Languages

The Modern Languages department offers three language programs: Advanced German, Advanced French and French: Communication and Culture. Advanced German students in Grade 11 are welcome to participate in a German Exchange Program. Students in Grade 10 or Grade 11 French/Advanced French may take part in the Manitoba Quebec Exchange Program. Also, there is the possibility for language students in Grades 10 – 12 to experience a European Study Tour.

### Advanced German

The Advanced German program is intended for students who are fluent in German. Normally these are graduates from a German Bilingual program.

### Advanced French

The Advanced French program is designed for former French Immersion students or those who are fluent in French. Students in Advanced French 32S & 42S are able to write the Advanced Placement French Language and Culture Examination.

### French: Communication and Culture

This course places an emphasis on oral communication and the integration of francophone cultures while using a balanced literacy-based approach.

### English as an Additional Language

This course is designed for students whose first language is not English and need support to continue to improve their English skills in a supportive environment.

## Music

All students in curricular performing ensembles (Concert Band, Concert Choir, Jazz Band, Chamber Singers) are assessed a music fee to help offset the cost of uniforms, folders, method books, supplies, music camps, transportation and festival registration fees. If provided items are lost or damaged replacement costs will be assessed.

Concert Band students must make arrangements to rent or purchase an instrument, with certain more expensive instruments available to rent from the school at a heavily subsidized rate.

All grade 8 and 9 Concert Band and Concert Choir students are required to participate in an out-of-town overnight music workshop with all costs covered by the music fee.

In addition, the Grade 6 – 9 Concert Choirs, Chamber Singers, and Jazz Bands attend the Brandon Jazz Festival each year. The cost for this trip is approximately \$325.00 plus meals.

The Concert Choir and Concert Band will also participate in a compulsory tour every other year to major destinations across the United States and Canada. Fundraising opportunities are available to help cover tour expenses. Students may fundraise at any time and carry the balance forward to future years.

### **Business Ventures Program**

MBCI is excited to bring Christian faith and the business world together through the Ventures Program, available to all grade 9 – 12 students. MBCI students will be challenged to understand the fundamentals of business and leadership, while incorporating our faith and values.

Ventures is a valuable option for high school students interested in pursuing a future career in a commerce related field such as economics, entrepreneurship, business, marketing, technology, finance or to develop valuable leadership skills applicable to any profession. Ventures courses are offered in a classroom designed to complement the business learning experience.

Students who complete the following requirements will receive the MBCI Ventures Certificate: Business Innovations, Entrepreneurship, Accounting Essentials, Economic Principles, completion of the Ventures Portfolio, participate for a minimum of one year in the Youth in Philanthropy Club and, in their grade 12 year, be paired with a Mentor from the MBCI Business Community. The Ventures Program will equip students with the knowledge, skills and character necessary for business leadership roles.

*Transfer credit at Canadian Mennonite University (CMU). CMU recognizes that students completing the Business Ventures program at MBCI cover subject matter in their curricula that is foundational for upper level courses required within CMU's Business and Organizational Administration major. Therefore, eligible grade 12 students may gain three credit hours of transfer credit toward a degree program at CMU. Specific requirements are as follows:*

- *Meet CMU's regular admission requirements*
- *Graduated from MBCI in 2019 or later*
- *Completed the requirements listed above and been awarded the Ventures Certificate*
- *Achieved a minimum average of 80% over four courses required in the Ventures Certificate with a minimum 75% in each course.*

### **Physical Education/ Health Education**

MBCI provides the full range of Physical Education in all grades.

### **Inter-School Athletics**

MBCI students in grades 7 – 12 who participate on any MBCI sports team will be required to pay a \$100.00 annual fee. The fee helps offset the cost of uniforms, league fees, officials, transportation, tournament registrations and the sports banquet. This fee does not cover team trips or special team clothing that teams decide to purchase. Payment of the fee can be made once the team in a given sport has been selected.

Fundraising opportunities are available to help cover these expenses. Students may fundraise at any time and carry the balance forward to future years.

MBCI is a member of the Manitoba High Schools Athletic Association (MHSAA). Please refer to page 6 of this catalogue for information on the MHSAA recruitment and transfer policies.

**Distance Education**

Students may be able to take a course not offered at MBCI through InformNet. Space for doing course work and test writing will be coordinated for those interested. Distance course fees are the responsibility of the student. Please see the Guidance Counsellor for more information.

**Note:**

- Approval from Administration is required prior to the student enrolling in any Non-repeater course by Distance Education or Summer School.
- While these courses can be used to earn credits for graduation, they cannot be used to reduce the minimum course load in any one high school year.

## **Senior Years Course Identification (As developed by Manitoba Education)**

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### **Course Numbering**

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

### **First Character**

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

### **Second Character**

- 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**

- F – Foundation
- G – General
- 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) and Student-Initiated Projects (SIPs), Special Language Credits or Non-Manitoba education credits.

Specialized (S): Educational experiences in specialized areas leading to further studies beyond the Senior Years (e.g., apprenticeship, college, and university). When the 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. An EAL Individual Educational Plan (EAL-IEP) is required for each student.

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.

## MBCI High School Program of Studies: Grades 9-12

Grade 09	Grade 10	Grade 11	Grade 12
<b>Core: 7 credits</b> Applying ICT I 15F Applying ICT II 15F Biblical Studies 11G Canada in the Contemporary World 10F English Language Arts 10F Mathematics 10F Physical & Health Education 10F Science 10F	<b>Core: 6 credits</b> Biblical Studies 21G English Language Arts 20F Geographic Issues of the 21 <sup>st</sup> Century 20F Physical & Health Education 20F Science 20F	<b>Core: 6 credits</b> Biblical Studies 31G English Language Arts 30S History of Canada 30F Physical & Health Education 30F	<b>Core: 5 credits</b> Biblical Studies 41G English Language Arts 40S Physical & Health Education 40F
	<b>Mathematics Options</b> <b>Students must select one:</b> Essential Mathematics 20S Introduction to Applied and Pre-Calculus Mathematics 20S	<b>Mathematics Option</b> <b>Students must select one:</b> Applied Mathematics 30S Essential Mathematics 30S Pre-Calculus Math 30S  <b>Science Option:</b> <b>Students must select one of:</b> Biology 30S Chemistry 30S Physics 30S	<b>English Language Arts Option:</b> <b>Students must select one:</b> Literature and Composition 42S AP <sup>1</sup> Language and Composition 42S AP <sup>2</sup> Transactional 40S Film Analysis and Production 41G  <b>Mathematics Option:</b> <b>Students must select one of:</b> Applied Mathematics 40S or Essential Mathematics 40S or Pre-Calculus Mathematics 40S
<b>Electives</b>  <b>Students must select at least 3</b>  Advanced French 10F Advanced German 10G Art 10S Business Innovations 10S Drama 10S English as an Additional Language 11G Food & Nutrition 10G French Communication & Culture 10F Concert Band 10S Concert Choir 10S Jazz Band 15S (½ credit) Woodworking 10G	<b>Electives</b> <b>Must select at least 3 of:</b> Advanced French 20F Advanced German 20G Art 20S Chamber Singers 20S (by invitation) Computer Science 20S Concert Band 20S (by audition) Concert Choir 20S (by audition) Drama 20S Entrepreneurship 20S English as an Additional Language 21G Film & Photography 25S French: Communication & Culture 20F History: American 20G Jazz Band 25S (½ credit) Woodworking 20G	<b>Electives</b> <b>Must select at least 1 of:</b> Accounting 30S <sup>1</sup> Advanced French 30S/32S Advanced German 30S/32S Art 30S Biology 30S Career Develop. Life/Work Building 35S (½ credit) or 30S (1 credit) Chamber Singers 30S (by invitation) Chemistry 30S Computer Science 30S Concert Band 30S Concert Choir 30S Drama 30S Economics 40S <sup>2</sup> English as an Additional Language 31G *** Film & Broadcast Media 35S French: Communication & Culture 30S Jazz Band 35S (½ credit) † Physics 30S † The Studio: 3 credits, admittance by application and interview † Woodworking 30S Yearbook (½ credits 25S & 35S)	<b>Electives</b> <b>Must select at least 2 of:</b> Accounting 30S <sup>1</sup> Advanced French 40S/42S AP Advanced German 40S/42S AP Art 40S Biology 40S Calculus 42S (AP) Career Develop. Life/Work Building 35S (½ credit) or 30S (1 credit) Chamber Singers 40S (invitation) Chemistry 40S Computer Science 40S Concert Band 40S (by audition) Concert Choir 40S (by audition) Credit for Employment 45G (½ credit) or 40 G (1 credit) Drama 40S Economics 40S <sup>2</sup> English as an Additional Language 40S Film & Broadcast Media 35S French: Communication & Culture 40S Global Issues: Citizenship and Sustainability 40S Jazz Band 45S (½ credit) Physics 40S The Studio: 3 credits, admittance by application and interview † Yearbook (½ credits 25S & 35S)
Minimum Credits: 10	Minimum Credits: 9	Minimum Credits: 7	Minimum Credits: 7

1. Offered in 2022-2023
2. Offered in 2023-2024

Please see detailed course descriptions for pre-requisites, co-requisites and other enrolment details.

## Grade 9 Program of Studies

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The minimum course load in Grade 9 is ten credits composed of:

- Core Courses: 7 credits
- Electives: 3 credits

### Core Courses

Applying ICT I 15F & II 15F  
Biblical Studies 11G  
Canada in the Contemporary World 10F  
English Language Arts 10F  
Mathematics 10F  
Physical Education/Health Education 10F  
Science 10F

### Electives

Course	Additional information
Advanced French 10F	Prerequisite: Grade 8 Advanced French or French Immersion
Advanced German 10G	Prerequisite: Grade 8 Advanced German or German Immersion
Art 10S	
Business Innovations 10S	Required for successful completion of the Ventures Certificate Program.
Concert Band 10S	Prerequisite: Previous experience with a concert band instrument
Concert Choir 10S	
Drama 10S	
English as an Additional Language 11G	Students whose first language is not English may be required to take English as an Additional Language
Food and Nutrition 10G	
French: Communication & Culture 10F	
Jazz Band 15S	Entrance by audition. This is a half credit course and cannot be used to decrease a minimum course load.
Woodworking 10G	

## Grade 9 Detailed Course Descriptions

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### **Advanced French 10F**

**Prerequisite: French Immersion or Grade 8 Advanced French**

This course is taught completely in French. The aim of this course is to provide students with opportunities to grow in their French communication skills. Students enhance their French skills through interesting and challenging oral communication, reading and writing activities. The themes chosen in this course are reflective of the themes of the Advanced Placement French Language and Culture Examination which include *Families and Communities, Contemporary Life and Global Challenges*.

### **Advanced German 10G**

**Prerequisite: Bilingual German or Grade 8 Advanced German**

This is an advanced German program for students formerly enrolled in the German Bilingual program. It is a German Language Arts course that uses a multidisciplinary approach to language learning. Areas of study include classical and contemporary German authors, history, and geography as well as traditional elements of grammar and writing. Students are also encouraged to participate in the German Language Contest.

### **Applying Information and Communication Technology I 15F & II 15F**

ICT reinforces and extends the Information and Communication knowledge, attitudes, and skills acquired by students in the Early and Middle years. Students learn how to use multimedia to manage photos, movies, music, and information. Software used includes Photos, iMovie, Garage Band, Pages, Numbers, Keynote, Google App equivalents, Microsoft App equivalents and Photoshop. Students explore the legal, ethical and biblical implications of current communication technology.

### **Art 10S**

This course is open to all students with or without a previous background in art. This course is designed as an introduction for those students who wish to develop their artistic skills. Students will study the basic elements of art, portraiture, printmaking, painting and various other art projects. Home drawing will be required.

### **Biblical Studies 11G: Faith and Experience**

In this course students will review and learn Bible study skills and engage in a practical service project. A large block of time will be dedicated to studying the book of Acts and contrasting the early and modern churches. The worldwide work of the church will be examined through the study of several great, present-day church workers.

### **Business Innovations 10S**

Business Innovations is an introductory course in the Business Program at MBCI. 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 and/or simulations. Required for successful completion of the Ventures Certificate Program.

### **Canada in the Contemporary World 10F**

This course is about the country we live in. Major themes include diversity and pluralism, democracy and governance, citizenship and consumerism and globalization. This course will focus on Canada's identity through its social, political and economic characteristics. Students will develop research, presentation and critical thinking skills through the course material.

### **Concert Band 10S**

**Prerequisite: Previous experience with a concert band instrument**

Concert Band 10S is a performance-based instrumental ensemble course designed to help students develop comprehensive musicianship, instrumental technique and ensemble skills. Students perform a wide variety of music in a series of concerts throughout the school year.



**Concert Choir 10S**

Concert Choir 10S is a performance-based choral ensemble course designed to help students develop comprehensive musicianship, vocal technique and ensemble skills. Students perform a wide variety of music in a series of concerts throughout the school year.

**Drama 10S**

The purpose of this course is to introduce students to a variety of drama approaches and skills such as improv, script writing, monologues, scene development and short plays. Students will also be expected to work at becoming a respectful, discerning audience member.

**English as an Additional Language 11G**

This course is designed for students whose first language is not English and need support to continue to improve their English skills in a supportive environment. The focus is on developing academic vocabulary, idiomatic language, learning strategies, and Canadian cultural topics related to their core classes.

**English Language Arts 10F**

The six language arts will be explored and developed in this course: reading, writing, listening, speaking, viewing, and representing. Students will practice formal and creative writing with a focus on draft and critique, emphasizing the nuances of communication for a variety of audiences and purposes. They will also be introduced to a variety of written texts, ranging from a Shakespearean play to classic modern novels.

**Food and Nutrition 10G**

Grade 9 Nutrition will focus on the following: Nutrition for a healthy lifestyle, nutrition labeling (reading and understanding food labels), safety and sanitation in the kitchen, reading and understanding Canada's Food Guide, and Issues in 21st century food production. On the practical side, students will learn basic kitchen skills (building to more advanced skills), reading a recipe and kitchen clean-up procedures.

**French: Communication & Culture 10F**

This course enables students to communicate in the French language and to appreciate francophone cultures. Emphasis is placed on oral communication. Skills are developed through activities based on the interests and life experiences of the students.

**Jazz Band 15S (½ credit)**

Jazz Band is a performance-based 'big-band jazz' ensemble course intended as a creative enrichment experience for students enrolled as a co-requisite in the Concert Band program, and assumes a familiarity with the technical and musical foundations presented there.

The Jazz Band meets outside the regular timetable twice a cycle at lunch, and an additionally scheduled five times after school.

Jazz band is a half-credit course for Grade 9 – 12 students, appearing on transcripts and contributing to their grade point average, however, may not count as part of the minimum credits required to graduate.

**Mathematics 10F**

Mathematics 10F is the foundational course for high school mathematics. As a preparatory course it covers a wide range of topics including Mathematical Reasoning, Data Collection and Presentation, Algebra, Linear Relations, Polynomials, Powers and Exponents, Polygons, Measurement and Scale Diagrams, and Circle Geometry. A geometry set and scientific calculator are required.

**Physical Education/Health Education 10F**

Physical fitness, sports fundamentals and teamwork are stressed through exposure to a wide variety of sports such as basketball, volleyball, badminton, track & field, soccer, football and floor hockey among other sports. The health component covers topics such as social/emotional well-being, physical well-being, nutrition, dental health, safety, community health, stress management for teens and handling social relationships.

**Science 10F**

Through demonstrations, labs, lectures and discussions students will develop a sense of wonder and curiosity about the scientific and technological world. Projects and labs will help students acquire new knowledge and develop their critical thinking skills. Units of study include: Atoms and Elements, Reproduction, Exploring the Universe and the Nature of Electricity. These units will focus on providing students with a proficiency in science that will prepare them for further study.

**Woodworking 10G**

Students will gain confidence in the safe and correct use of tools as they create several projects. Some assigned projects will teach and develop foundational skills in joinery, both with hand tools and power tools. Students will also have some projects in which they demonstrate their skill and express their creativity while constructing projects of their own choosing.

## Grade 10 Program of Studies

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The minimum course load in Grade 10 is **nine** credits composed of:

- Core Courses: 5 credits
- Mathematics Elective: 1 credit
- Electives: 3 credits

### Core Courses

Biblical Studies 21G  
 English Language Arts 20F  
 Geographic Issues of the 21st Century 20F  
 Physical and Health Education 20F  
 Science 20F

**Mathematics Elective:** students select exactly one.

Course	Additional information
Introduction to Applied and Pre-Calculus Mathematics 20S	This course is a prerequisite for Chemistry 30S and Physics 30S
Essential Mathematics 20S	

**Electives:** students select 3 or 4 credits

Course	Additional information
Advanced French 20F	Prerequisite: Advanced French 10F or French Immersion
Advanced German 20G	Prerequisite: Advanced German 10G or German Immersion
Art 20S	
Computer Science 20S	Prerequisite: Mathematics 10F
Concert Band 20S	By audition
Concert Choir 20S	By audition
Drama 20S	By audition
English as an Additional Language 21G	Students whose first language is not English may be required to take EAL21G
Entrepreneurship 20S	Required for successful completion of the Ventures Certificate Program.
Film and Photography 25S and Desktop Publishing 25S	
French: Communication & Culture 20F	
History 20G: American History	
Jazz Band 25S	Half credit course. Cannot be used to decrease a minimum course load.
Woodworking 20G	

## Grade 10 Detailed Course Descriptions

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### **Advanced French 20F**

**Prerequisite: French Immersion or Advanced French 10F**

This course is taught completely in French. The aim of this course is to provide students with opportunities to grow in their French communication skills. Students enhance their French skills through interesting and challenging oral communication, reading and writing activities. The themes chosen in this course are reflective of the themes of the Advanced Placement French Language and Culture Examination which include *Families and Communities, Contemporary Life and Global Challenges*.

### **Advanced German 20G**

**Prerequisite: Advanced German 10G**

This course seeks to improve both comprehension and expression for the advanced German student. Students will expand their knowledge of the German language and German life through the study of a variety of authors and themes. Students are also encouraged to participate in the German Language Contest. This course also prepares students for the German Language and Culture Advanced Placement Exam.

### **Art 20S**

This course is open to all students with or without previous art background. This course will help students who wish to develop their artistic skills for their own pleasure or to pursue post-secondary studies in fine arts. Students will study composition, design, and drawing through such media as pencil, pen and ink, pastels and paint. Students will be expected to do home drawing as well as complete an art history project.

### **Biblical Studies 21G: History of Israel**

This course focuses on the gospel story and the implications of the teachings of Jesus for how Christians are to lead their lives today. Students will work at applying what Jesus' teachings to life today in Canada. What sort of lives does Jesus want Christians to lead?

### **Chamber Singers 20S**

**Acceptance by invitation**

Chamber Singers is a select group taken from the Grade 10 – 12 Concert Choir. Based on their Concert Choir audition results, their experience, and commitment to choral singing, students may be invited to be part of this smaller ensemble. Chamber Singers perform a wide variety of music at many of the same events as Concert Choir, as well as additional concerts and trips, including the Brandon Jazz Festival. A full vocal jazz credit is earned in the course.

### **Computer Science 20S**

**Prerequisite: Mathematics 10F**

This course provides the fundamentals of programming and an introduction to java programming through subjects ranging from visual arts, language arts, problem solving, logic reasoning, and block coding. Students learn to create computer games. Some techniques of animation are also taught, but the main emphasis is programming for the purpose of game creation.

### **Concert Band and Concert Choir 20S**

**Acceptance based on audition**

The Concert Band and Concert Choir are performance-based instrumental and choral ensemble courses designed to help students develop comprehensive musicianship, technique and ensemble skills. The Concert Band and Concert Choir are the senior performance ensembles of MBCI and regularly represent the school performing a wide variety of music at festivals, church visitations, school concerts and on extended tours. Accordingly, students in either course must meet a minimum level of skill, determined through an audition, and must commit to improving their contribution to the ensemble throughout the course.

### **Drama 20S**

Students focus on performances through full length plays, short dramas and period theatre. Students will learn proper stage fighting techniques, continue developing stage presence, script analysis and characterization. Evening and/or weekend rehearsals may be required. Auditions for all new students is required for acceptance.

### **English as an Additional Language 21G**

This course is designed for students whose first language is not English and need support to continue to improve their English skills in a supportive environment. The focus is on developing academic vocabulary, idiomatic language, learning strategies, and Canadian cultural topics related to their core classes.

### **English Language Arts 20F**

In this course students will learn the skills of oral communication, essay writing and research for formal papers. Grammar, form and function will be stressed. Students will improve their reading skills through the study of short stories, several novels, poetry and one Shakespearean play.

### **Entrepreneurship 20S**

Entrepreneurship focuses on developing the foundational skills and ideas needed to plan and develop a business. Many students are involved in their communities and beginning to recognize the various needs and wants. The course will begin by evaluating innovation, invention, and innovative ideas. Students will learn the process of planning, marketing, and implementing a venture. Required for successful completion of the Ventures Certificate Program.

### **Essential Mathematics 20S**

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the workforce. Topics include analysis of games and numbers, personal finance, measurement, 2-D geometry, trigonometry, consumer decisions, transformations, and angle construction.

### **Film and Photography 25S**

This is a full credit course, combining two half credit courses into one. The purpose of the first half of this course is to learn the technology behind photography and then use that knowledge to take a variety of different styles of pictures; landscapes, portraits, thematic, panoramic, etc. Students will also learn how to manipulate digital images using iPhoto software. The second half of the course focuses on creating films. The course provides students with the skills and knowledge to tell stories combining sound, still images, moving images, text, graphics and animation into a video production. iMovie will be used to edit projects throughout the year.

### **French: Communication & Culture 20F**

This course enables students to communicate in the French language and to appreciate francophone cultures. Emphasis is placed on oral communication. Skills are developed through activities based on the interests and life experiences of the students.

### **Geographic Issues of the 21<sup>st</sup> Century 20F**

In this course we will explore current Geographic Issues as they relate to natural resources, food production, industry and trade, and urban places. Students will learn basic geographic literacy in addition to tackling complex issues. This course will emphasize sustainability and stewardship.

### **History 20G: American History**

In this course students will study how social, economic and political developments in American history are interrelated. This historical study will be combined with an examination of American influence in the present world situation.

### **Introduction to Applied and Pre-Calculus Mathematics 20S**

**Prerequisite: Mathematics 10F (60%) recommended**

This course is intended for students considering post-secondary studies that require a math prerequisite. This pathway provides students with the mathematical understanding and critical-thinking skills that have been identified for specific post-secondary programs of study. The topics studied form the foundation for topics to be studied in both Grade 11 Applied Mathematics and Grade 11

Pre-Calculus Mathematics. Students will engage in experiments and activities that include the use of technology, problem solving, mental mathematics, and theoretical mathematics to promote the development of mathematical skills. A scientific calculator is required. This course is a prerequisite for Chemistry 30S and Physics 30S

### **Jazz Band 25S (½ credit)**

Jazz Band is a performance-based 'big-band jazz' ensemble course intended as a creative enrichment experience for students enrolled as a co-requisite in the Concert Band program, and assumes a familiarity with the technical and musical foundations presented there.

The Jazz Band meets outside the regular timetable twice a cycle at lunch, and an additionally scheduled five times after school.

Jazz band is a half-credit course for Grade 9 – 12 students, appearing on transcripts and contributing to their grade point average. However, jazz band may not count as part of the minimum credits required to graduate.

### **Physical Education/Health Education 20F**

Physical fitness, sports fundamentals and teamwork are stressed through exposure to a wide variety of sports such as basketball, volleyball, badminton, floor hockey, football, soccer, curling, bowling, golfing, hockey, tennis, racquet ball, broomball, swimming, handball, ultimate, indoor soccer and baseball. Students are given some choice in which sports they will participate. The health component focuses on the human body as it relates to the student's own physical being. Units covered include: nutrition, responsibility to self and others, responsible sexual behaviour and mental health.

### **Science 20F**

#### **Prerequisite: Science 10F**

Science is the systematic pursuit of knowledge of the physical world gained through observation and experimentation. The Science 20F course will continue to develop the student's ability to be systematic in their understanding and investigation of the world around them. The course is designed to provide a glimpse into the main branches of science so that students can make informed science choices for their grade 11 year. The topics covered include: Biology of Ecosystems, Chemistry in Action, the Physics of Motion, and Weather Dynamics. Daily assignments, lab activities and projects are all part of the learning process that provides a hands-on experience based approach to learning.

### **Woodworking 20G: Design and Build**

Students will expand their skills and techniques as they safely work with a greater range of tools. A higher level of precision is required as they complete some assigned projects, as well as projects of their own choosing. They will have greater responsibility for esthetic and design elements in their work.

## Grade 11 Program of Studies

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The minimum course load in Grade 11 is **seven** credits composed of:

- Core Courses: 4 credits
- Mathematics Option: 1 credit
- Science Option: 1 credit
- Electives: 1 credit

### Core Courses (4 credits)

Biblical Studies 31G  
 English Language Arts 30S  
 History of Canada 30F  
 Physical and Health Education 30S

Students may register for more than the minimum course load. Extra courses may be selected from either the Grade 10 or Grade 11 free choice options. Some combinations might not be available due to scheduling conflicts.

**Mathematics Elective: students must select exactly one.**

Select One	Course	Prerequisite	Additional information
	Applied Mathematics 30S	Introduction to Applied and Pre-Calculus Mathematics 20S	Recommended 60% in Intro to Applied and Pre-Calculus Mathematics 20S
	Essential Mathematics 30S	Any 20S Mathematics course	
	Pre-Calculus Mathematics 30S	Introduction to Applied and Pre-Calculus Mathematics 20S	Recommended 70% in Intro to Applied and Pre-Calculus Mathematics 20S

**Science Elective: students must select exactly one.**

Select One	Course	Prerequisite	Additional information
	Biology 30S	Science 20F (60% recommended)	
	Chemistry 30S	Science 20F and Introduction to Applied & Pre-Calculus Math 20S (60% recommended)	Co-requisite: Pre-Calculus 30S or Applied Mathematics 30S
	Physics 30S	Science 20F and Introduction to Applied & Pre-Calculus Math 20S (60% recommended)	Co-requisite: Pre-Calculus 30S or Applied Mathematics 30S

**Note:** On the next page students will be able to select an additional science elective as one of the free choice electives. Students may choose a total of two science courses between the compulsory science elective (above) a free choice elective (next page). A third science course requires approval from the Guidance Counsellor.

**Grade 11 Electives: students select 1 to 4 credits**

<b>Course</b>	<b>Prerequisite</b>	<b>Additional information</b>
Accounting Essentials 30S		Required for the Ventures Certificate Program (offered in 2022-2023)
Advanced French 30S/32S	Advanced French 20F or French Immersion	
Advanced German 30S/32S	Advanced German 20G or German Immersion	
Art 30S	Portfolio required for acceptance	
Biology 30S	Science 20F (60% recommended)	Students may choose one additional science credit.
Career Development Life/Work Building 35S/30S		Full or half credit possible.
Chemistry 30S	Science 20F and Introduction to Applied & Pre-Cal Math 20S (60% recommended)	Co-requisite: Pre-Cal or Applied 30S. Students may choose one additional science credit
Computer Science 30S	Computer Science 20S and Introduction to Applied & Pre-Calculus Math 20S	
Concert Band 30S	By audition	
Concert Choir 30S	By audition	
Drama 30S	Drama 20S or by audition	
Economics Principles 40S		Required for the Ventures Certificate Program. (offered in 2023-2024)
English as an Additional Language 31G		Students whose first language is not English may be required to take EAL31G
Film & Broadcast Media 35S and 2D Animation 35S		
French: Communication & Culture 30S		
Jazz Band 35S	By audition	Half credit course. Cannot be used to decrease a minimum course load.
Physics 30S	Science 20F and Introduction to Applied & Pre-Calculus Math 20S (60% recommended)	Co-requisite: Pre-Cal or Applied 30S. Students may choose one additional science credit
The Studio (3 credits)	Admittance by application and interview	Two credits will be earned in class; one through independent work.
Woodworking 30S	Woodworking 20G	
Yearbook 25S & 35S		



## Grade 11 Detailed Course Descriptions

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### **Accounting Essentials 30S**

Accounting Essentials will provide students the opportunity to gain and understand basic accounting concepts and principles. With an emphasis on accounting for a service business, students will apply their knowledge and skills to complete the stages of the accounting cycle both manually and with computer software. Required for the successful completion of the Ventures Certificate Program.

### **Advanced French 30S/32S Advanced Placement**

**Prerequisite: Advanced French 20F**

Taught completely in French, this course is preparatory for the French Language and Culture Advanced Placement exam. The exam themes are: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities and Beauty and Aesthetics. Students engage in activities with each of these themes including presentations, reading assignments, essay writing and special projects.

### **Advanced German 30S/32S Advanced Placement**

**Prerequisite: Advanced German 20G**

Advanced German further improves the comprehension and expression of the advanced German student. In this course, students continue to broaden their knowledge of German literature, theatre, history, music and geography. Students will improve their ability to express themselves in both written and oral German. Students excelling in this course will be given the option of writing the German Language and Culture Advanced Placement Exam. Students are also required to participate in the German Language Contest.

### **Applied Mathematics 30S**

**Prerequisite: Introduction to Applied and Pre-Calculus Mathematics 20S (60% recommended)**

Applied Mathematics (30S) is intended for students considering post-secondary studies that do not require a study of theoretical calculus. It is context driven and promotes the learning of numerical and geometrical problem-solving techniques as they relate to the world around us. Primary goals of Applied Mathematics are to have students develop critical-thinking skills through problem solving and model real-world situations mathematically to make predictions. Topics include: measurement, geometry, logical reasoning, statistics, and relations and functions. A graphing calculator is required, TI 83+ or TI 84 recommended.

### **Art 30S**

**Portfolio required for acceptance**

Intended for students who have shown a strong ability in the visual arts such as drawing, painting and/or sculpting, this course allows students to explore their gift in depth and experiment with different media and visual techniques. Permission of instructor is required for acceptance.

### **Biblical Studies 31G: History of the Christian Church**

Biblical Studies 31G is a study of the history of the Christian Church from Pentecost to the present. Topics include Constantinianism, the Middle Ages, the Reformation, and Anabaptist/Mennonite history and perspectives. This course offers intentional focus on connecting church issues in all time periods with issues in contemporary society.

### **Biology 30S**

**Prerequisite: Science 20F (60% recommended)**

This course will focus on the anatomy and physiology of the human body and the body's ability to maintain homeostasis. The following human body systems will be studied in detail: Circulatory, Respiratory, Urinary, Digestive, Nervous and Immune Systems. These units will focus on providing students with a proficiency in the biological sciences that will equip them for higher levels of study and give them an appreciation for the human body. Through demonstrations, formal labs, dissections, lectures and projects, students will develop a sense of wonder and curiosity about the biological world. Major dissections include a sheep heart, bullfrog and fetal pig dissection.

**Career Development: Life/Work Building 35S ( ½ credit) or 30S (1 credit)**

Career Development: Life/Work Building helps students develop practical career and life skills. Students will prepare and plan for their future career and education. Students will learn to set goals and make plans to achieve their goals. This course is a prerequisite for Credit for Employment 45G or 40G.

This course may be offered remotely.

**Chamber Singers 30S****By Invitation**

The MBCI Chamber Singers is a select group taken from the Concert Choir. Based on their Concert Choir audition results, their experience, and commitment to choral singing, students may be invited to be part of this smaller ensemble. Chamber Singers perform a wide variety of music at many of the same events as Concert Choir, as well as additional concerts and trips, including the Brandon Jazz Festival. A full vocal jazz music credit is earned in the course.

**Chemistry 30S****Co-requisite: Pre-Calculus or Applied Mathematics****Prerequisites: Science 20F & Intro to Applied & Pre-Calculus Math 20S (60% recommended)**

The course will revisit concepts developed in the chemistry unit of SCI20F, especially those in elements and chemical bonding. A SCI20F mark of more than 60% enables the student to have the background understanding they need to succeed in this course. Chemistry is a branch of the natural sciences dealing with the composition, properties, and reactions of matter using microscopic and macroscopic perspectives. The course topics covered include: fundamental skills, physical properties of matter, gases, chemical reactions, stoichiometry, solutions, and organic chemistry. The course will expose students to the systematic processes of chemistry, with regard to precision, accuracy and problem solving, and increase their understanding of the factors which influence the applications of chemical principles. As the year progresses, mathematical problem solving will become increasingly important. The course is designed around theory, lab experiments, & major projects.

**Computer Science 30S****Prerequisite: Computer Science 20S & Intro to Applied/Pre-Cal Math 20S**

This course will build on the skills learned in Computer Science 20S relating to programming languages and computer-controlled devices. It is designed for students who showed aptitude and enjoyed CSC20S. Concepts like variables, conditional statements, loops and functions in programming will be reviewed. More complex programming instructions will be taught in this course. Careers that relate to computer science will also be researched. Project Based Learning activities such as Robotics will be introduced, oral presentations will be required, both individually and within a team, to present the student's learning to a wider audience.

**Concert Band and Concert Choir 30S****Acceptance based on audition**

The Concert Band and Concert Choir are performance-based instrumental and choral ensemble courses designed to help students develop comprehensive musicianship, technique and ensemble skills. The Concert Band and Concert Choir are the senior performance ensembles of MBCI and regularly represent the school performing at a wide variety of music at festivals, church visitations, school concerts and on extended tours. Accordingly, students in either course must meet a minimum level of skill, determined through an audition, and must commit to improving their contribution to the ensemble throughout the course.

**Drama 30S****Prerequisite: Drama 20S or by audition**

Students in this course will build on the skills developed in Drama 20S. In addition to working as actors, students will have the opportunity to work as directors. This course will involve some onstage and backstage production roles. Some evening and/or weekend rehearsals may be required. An audition for all new students is required for acceptance.

**Economics Principles 40S**

Economic principles focuses on both micro and macroeconomic principles including systems and structures, supply and demand, market influences, the global market and decision making related

to economic factors. This course is designed for students wanting to learn more about how the economy impacts their personal and business decisions at a local, national and global level. Students will learn more about their role in the economy and how economic conditions affect the short and long term decision making. Required for the successful completion of the Ventures Certificate Program.

### **English as an Additional Language 31G**

This course is designed for students whose first language is not English and need support to continue to improve their English skills in a supportive environment. The focus is on developing academic vocabulary, idiomatic language, learning strategies, and Canadian cultural topics related to their core classes.

### **English Language Arts 30S: Literary Focus**

This course exposes students to a variety of narratives including memoirs, poetry, research essays, media forms, and classic literature. Students will engage in a variety of writing initiatives including essay writing, reflective journals, creative writing, oral presentations and constructing a research paper. This course is intended to develop, engage, and to educate students on academic writing habits and creating personal voice.

### **Essential Mathematics 30S**

**Prerequisite: Any 20S Mathematics course**

Essential Mathematics (30S) is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Grade 11 Essential Mathematics is a one-credit course emphasizing consumer applications, problem solving, decision making, and spatial sense. Topics include: analysis of games and numbers, interest and credit, 3-D geometry, statistics, managing money, relations and patterns, trigonometry, and design modeling.

### **Film and Broadcast Media 35S**

This is a full credit course, combining two half credit courses into one; next level movie making and broadcast media. The film portion is a continuation of Film and Photography 1 and will extend the idea of storytelling with film, 2D animation using traditional and computer options, and other media. In the Broadcast Media portion, students will learn how to investigate, write, film and assemble news-worthy stories and combine them into a full length news broadcast. Previous experience in Film and Photography 1 would be helpful but not required. iMovie, Final Cut X and Anime 8 will be used throughout this course.

### **French: Communication & Culture 30S**

Themes of this course include adolescence and adulthood, leisure activities, arts and culture and social trends. Emphasis is placed on oral communication, reading and writing. Students talk about things that are important for their personal lives, and also important in the broader social context. Students experience aspects of Francophone cultures and recognize the relevance and value of French in their lives.

### **History of Canada 30F**

Whether learning about how North America's First Peoples lived, analyzing reasons why Europeans came to settle in this land, or discussing how the values and beliefs of the people living here have evolved, Canada's story is rich in big ideas and colourful characters. We study events, people, and ideas through historical thinking methods to understand the essential question: How has Canada's history shaped the Canada of today?

### **Jazz Band 35S (½ credit)**

Jazz Band is a performance-based 'big-band jazz' ensemble course intended as a creative enrichment experience for students enrolled as a co-requisite in the Concert Band program, and assumes a familiarity with the technical and musical foundations presented there.

Jazz Band meets outside the regular timetable twice a cycle at lunch, and an additionally scheduled five times after school.

Jazz band is a half-credit course for Grade 9 – 12 students, appearing on transcripts and contributing to their grade point average. However, jazz band may not count as part of the minimum credits required to graduate.

### **Physical Education/Health Education 30F**

As mandated by the province of Manitoba, grade eleven and twelve Physical Education courses are compulsory. They are designed to help students take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them and to engage in active lifestyles they enjoy in the present and could pursue into the future. Students will be expected to complete a required number of hours of physical activity of different intensities, log their hours, and report to their teacher about their progress. In order to receive their credits and graduate, students will have to meet the requirements of grade 11 and 12 Physical Education.

### **Physics 30S**

#### **Co-requisite: Pre-Calculus or Applied Mathematics**

#### **Prerequisites: Science 20F & Intro to Applied & Pre-Calculus Math 20S (60% recommended)**

Physics 30S will revisit concepts developed in the physics unit of SCI20F, especially those taught in the Motion Unit, and uses the algebra taught in MATH 20F. Science 20F & Intro to Applied & Pre-Calculus 20F marks of more than 60% is recommended. Physics is a branch of the natural sciences that studies matter, energy and their interactions which seeks to describe, explain and predict those relationships as accurately and precisely as possible. Students will learn about these relationships through classroom theory, hands on activities, experimentation and project-based learning. The topics covered include: fundamental skills, kinematics, dynamics, waves, and fields. In addition to the unit homework, there are formal lab write-ups, quizzes, tests and two projects. The highlight of this course is a spaghetti bridge project that incorporates a design, test, redesign process used by engineers and university courses in the engineering faculty.

### **Pre-Calculus Mathematics 30S**

#### **Prerequisite: Introduction to Applied & Pre-Calculus Math 20S (70% recommended)**

Pre-Calculus Mathematics 30S is designed for students who intend to study calculus and related mathematics as part of post-secondary education. The course comprises a high-level study of theoretical mathematics with an emphasis on problem solving and mental mathematics. The topics include study of algebra, quadratic functions, reciprocal functions and trigonometry. A scientific calculator is required (TI 30X recommended). Graphing calculators are no longer permitted for tests and exams in Pre-Calculus.

### **The Studio: 3 credits**

#### **Admittance based on application, interview and portfolio**

The Studio is a creative, interdisciplinary learning environment that allows students to focus on individual passion projects while developing essential life skills. This program connects students to industry professionals who help mentor and guide both the students and their work as they dive deeper into their niche disciplines. Situated in a flexible, collaborative learning studio, students pursue unique, creative, and marketable skills by producing authentic projects that are born from deep inquiry and a love of their craft. Students will learn to think critically and solve problems creatively, produce quality work that strives to meet industry standards, and develop skills that prepare them for success beyond our walls. While supported by the school, teachers, mentors, fellow students, and the broader community, students who work within MBCI's Studio Program should be self-directed, highly motivated, and autonomous individuals, who are eager to bring their craft from The Studio to the world. Two of the credits will be earned in class time; 1 credit will be earned through independent work.

### **Woodworking 30S**

#### **Prerequisite: Woodworking 20G**

Students will take the knowledge and skills they have developed to the next level. They will be responsible for aspects of design and decision making. Cabinet making, structural framing and finish carpentry will all be a part of the course. In years when MBCI puts on a major musical production, students will participate in the creation of the stage set.

**Yearbook (½ credits 25S & 35S)**

The purpose of this combined course is to provide students with the skills and knowledge to plan and create a variety of published print documents including documents for personal and business communications. The course's primary objective is to publish the MBCI yearbook.

## Grade 12 Program of Studies

The minimum course load in Grade 12 is **seven** credits composed of:

- Core Courses: 3 credits
- English Language Arts-elective: 1 credit
- Mathematics Option: 1 credit
- Electives: 2 credits

### Core Courses

Biblical Studies 41G  
 English Language Arts 40S  
 Physical and Health Education 40S

**Mathematics Elective:** students must select exactly one.

Course	Prerequisite	Additional information
Applied Mathematics 40S	Applied 30 or Pre-Calculus 30S	Recommended 60% in Applied 30S or Pre-calculus 30S
Essential Mathematics 40S	Essential mathematics 30S	
Pre-Calculus Mathematics 40S	Pre-Calculus Mathematics 30S	Recommended 70% in Pre-Calculus 30S

**English Language Arts Elective:** students must select exactly one.

Course	Prerequisite	Additional information
Literature & Composition 42S AP (ELL42S)		
Transactional Focus 40S (ELT 40S)		
Film Analysis and Production 41G (FAN41G)		This course may not be used as a second English credit for university entrance.
English as an Additional Language 40S (EAL 40S)		Students whose first language is not English may be required to take EAL40S

Students may select one additional ELA credit as an elective. Additional ELA electives will be added to a student's courses only if the schedule permits

Students may register for more than the minimum course load. Extra courses may be selected from either the Grade 11 or Grade 12 electives. Some combinations might not be available due to scheduling conflicts.

**Grade 12 Electives:** students select 2 to 5 credits

<b>Course</b>	<b>Prerequisite</b>	<b>Additional information</b>
Accounting Essentials 30S		Required for the Ventures Certificate Program.(offered in 2022-2023)
Advanced French 40S/42S (AP)	Advanced French 30S or French Immersion	
Advanced German 40S/42S (AP)	Advanced German 30S or German Immersion	
Art 40S	Portfolio required for acceptance	
Biology 40S	Science 20F (60% recommended)	
Calculus 42S (AP)	75% in Pre-Calculus Mathematics 30S	Co-requisite: Pre-calculus Math 40S
Career Development Life/Work Building 35S/30S		Full or half credit possible.
Chemistry 40S	Chemistry 30S (60% recommended)	Co-requisite: Pre-Calculus 40S or Applied Mathematics 40S
Computer Science 40S	Computer Science 30S and Pre-calculus 30S or Applied 30S	
Concert Band 40S	By audition	
Concert Choir 40S	By audition	
Economics Principles 40S		Required for the Ventures Certificate Program. (offered in 2023-2024)
Drama 40S	Drama 30S or by audition	
Employment Credit 45G/ 40G	Prerequisite or Corequisite: Career Development 35S or 30S	Full or half credit possible. This class takes place outside the regular school day.
Film & Broadcast Media 35S and 2D Animation 35S		
French: Communication & Culture 40S		
Global Issues: Citizenship and Sustainability 40S		
Jazz Band 45S	By audition	Half credit course. Cannot be used to decrease a minimum course load.
Physics 40S	Physics 30S (60% recommended)	Co-requisite: Pre-Calculus 40S or Applied Mathematics 40S
The Studio (3 credits)	Admittance by application and interview	Two credits will be earned in class; one through independent work.
Yearbook 25S & 35S		

## Grade 12 Detailed Course Descriptions

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### **Accounting Essentials 30S**

Accounting Essentials will provide students the opportunity to gain and understand basic accounting concepts and principles. With an emphasis on accounting for a service business, students will apply their knowledge and skills to complete the stages of the accounting cycle. Required for the successful completion of the Ventures Certificate Program.

### **Advanced French 40S/42S Advanced Placement**

**Prerequisite: Advanced French 30S**

Taught completely in French, this course is preparatory for the French Language and Culture Advanced Placement exam. The exam themes are: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities and Beauty and Aesthetics. Students engage in activities with each of these themes including presentations, reading assignments, essay writing and special projects.

### **Advanced German 40S/42S Advanced Placement**

**Prerequisite: Advanced German 30S**

While continuing to work on vocabulary and grammar, students will also study classical and contemporary German literature and culture. Students may elect to take this course at an advanced level, preparing them for the German Language and Culture Advanced Placement Exam. Students are required to participate in the German Language Contest.

### **Applied Mathematics 40S**

**Prerequisite: Applied or Pre-Calculus Mathematics 30S (60% recommended)**

Applied Mathematics 40S is intended for students considering post-secondary studies that do not require a study of theoretical calculus. It promotes the learning of numerical and geometrical problem-solving techniques as they relate to the world around us. Topics include: financial mathematics, logical reasoning, probability, relations and functions, and design and measurement. A graphing calculator is required, TI 83+ or TI 84 recommended.

### **Art 40S**

**Portfolio required for acceptance**

This course is intended for students who have demonstrated advanced skills in visual arts. The emphasis of this program will be on problem solving and developing personal expression. Various media will be explored including acrylic paints, pottery and airbrushing.

### **Biblical Studies 41G: Issues of Contemporary Christian Living**

In this course students will be challenged to develop a Biblical basis for a Christian way of life that encompasses action, thought, belief and our loves. Topics include: authority and interpretation of Scripture, Christian ethics, themes of reconciliation, the role of the community in shaping faithfulness to God; and the Christian relationship to other world religions.

### **Biology 40S**

**Prerequisite: Science 20F (60% recommended)**

Biology 40S is designed to provide students with a strong proficiency in the Biological Sciences that will prepare them for the university level. Students who complete the BIO40S course will have a thorough understanding of molecular genetics, inheritance mechanisms, evolutionary patterns, biological diversity and biological classification. Through demonstrations, labs, dissections, lectures and projects, students will develop a sense of wonder and curiosity about the scientific and biological world. Students will complete labs and projects that will help them to acquire new knowledge and develop their critical thinking skills. Major labs include: Gel Electrophoresis, Bacterial DNA Transformation, Owl Pellet Dissection, Multi-Species Comparative Anatomy Dissection and a Comparative Anatomy Eye Dissection.

### **Calculus 42S Advanced Placement**

**Co-requisite: Pre-calculus Math 40S**

**Prerequisite: 75% in Pre-Calculus Mathematics 30S**

This course is designed to prepare students for the AP Calculus AB exam. Students who successfully pass this exam can receive a university math credit. Topics include: polynomial, rational, trigonometric, exponential and logarithmic functions, properties of functions, limits,



derivatives and their applications to curve sketching, maximum and minimum and related rate problems, integration and application to area under a curve and volume by curve rotation. Above average grades in Math 30S and teacher recommendation are required for enrolment.

**Career Development: Life/Work Building 35S (½ credit) or 30S (1 credit)**

Career Development: Life/Work Building helps students develop practical career and life skills. Students will prepare and plan for their future career and education. Students will learn to set goals and make plans to achieve those goals. This course is a prerequisite for Credit of Employment 45G or 40G.

This course may be offered remotely.

**Chamber Singers 40S**

**By Invitation**

The MBCI Chamber Singers is a select group taken from the Concert Choir. Based on their Concert Choir audition results, their experience, and commitment to choral singing, students may be invited to be part of this smaller ensemble. Chamber Singers perform a wide variety of music at many of the same events as Concert Band and Concert Choir, as well as additional concerts and trips, including the Brandon Jazz Festival. A full vocal jazz music credit is earned in the course.

**Chemistry 40S**

**Co-requisite: Pre-Calculus or Applied Mathematics**

**Prerequisite: Chemistry 30S (60% recommended)**

Chemistry 40S relies on and extends the studies began in Chemistry 30S. A CHM30S mark of more than 60% enables the student to have the background understanding they need to succeed in this course. This course is designed to equip students so that they can excel in university studies in chemistry. The course will revisit concepts developed in CHM30S, especially those in bonding, stoichiometry & solutions. The topics covered include: chemical kinetics, chemical equilibriums, acids & bases, atomic theory, and oxidation & reduction reactions.

**Computer Science 40S**

**Prerequisite: Computer Science 30S & Pre-Cal 30S and/or Applied Math 30S**

This course is designed for students who enjoyed CSC30S programming and who will potentially continue to study Computer Science after high school. In this course, the students will learn to solve problems, accomplish tasks, and express creativity, both individually and collaboratively. Since programming languages and techniques continue to evolve rapidly, students will learn to adapt changes and learn new information. This course requires the students to be an independent learner. However, teamwork and problem solving are also important skills in this level of programming. Therefore, there will be opportunities to work collaboratively to solve various real life situation problems using Robots. Students will work on more practical and more complex programming projects in this level.

**Concert Band and Concert Choir 40S**

**Acceptance based on audition**

The Concert Band and Concert Choir are performance-based instrumental and choral ensemble courses designed to help students develop comprehensive musicianship, technique and ensemble skills. The Concert Band and Concert Choir are the senior performance ensembles of MBCI and regularly represent the school performing in a wide variety of music at festivals, church visitations, school concerts and on extended tours. Accordingly, students in either course must meet a minimum level of skill, determined through an audition, and must commit to improving their contribution to the ensemble throughout the course.

**Credit for Employment 45G ( ½ credit) or 40G (1 credit)**

**Prerequisite or Corequisite: Career Development: Life/Work Building 35S or 30S**

The Credit for Employment Course provides the opportunity for students to earn credits for work experience. Students will meet with a guiding teacher on campus but most of this course will be their employment outside of school hours. Students can apply in-class learning in a work environment. Students will develop career readiness and build relationships with businesses in

their communities. Notably, students will be paired with a Mentor from the MBCI Business Community who will help guide them through this experience.

**Drama 40S**

**Prerequisite: Drama 30S or by audition**

Drama 40S is primarily focused on the public performance of plays. Students in this course will continue to extend their abilities and knowledge of the theatre. Furthermore, students will write, develop, produce and present original skits for presentation in chapel with a special concentration on connecting the skit to a spiritual message. Evening and/or weekend rehearsals may be required. Auditions for all new students is required for acceptance.

**EAL: English as an Additional Language 40S**

This course is designed to prepare English language learners with the academic language skills necessary in content-area courses and in preparation for post-secondary studies. Students will learn to develop strategies to cope with challenging, academic texts and to present their learning in a variety of ways, such as research papers, essays and oral presentations.

**Economics Principles 40S**

Economic Principles focuses on both micro and macroeconomic principles including systems and structures, supply and demand, market influences, the global market and decision making related to economic factors. This course is designed for students wanting to learn more about how the economy impacts their personal and business decisions at a local, national and global level. Students will learn more about their role in the economy and how economic conditions affect the short and long term decision making. Required for the successful completion of the Ventures Certificate Program.

**ELA: Literary Focus 40S**

This is the core English course in which all Grade 12 students must enroll, and it culminates with the ELA Provincial Standards Test. This course offers students a curriculum in the fundamental language arts: reading, writing, listening, speaking, viewing and thinking. It explores transaction and literary materials from a wide range of historical and social contexts. Texts range from the Anglo-Saxon epic, *Beowulf*, to twenty-first century poetry, short stories, and novels.

**ELL: Literature and Composition 42S Advanced Placement**

**Prerequisite: 75% in ELA30S**

This course is designed for students with special interest in literature and literary criticism. Through intensive interaction with the text, students will sharpen their awareness of language and their understanding of the writer's craft. They will consider the structure, meaning, and value of the text, and its relationship to contemporary experience as well as to its historical and social context. A major literary research paper is part of this course. Students enrolled in this course also have the opportunity to write the Literature and Composition Advanced Placement Exam, which can count toward college credit.

**ETA: Language and Composition 42S Advanced Placement**

**Prerequisite: 75% in ELA30S**

The material in this course will prepare students for the Language and Composition Advanced Placement exam. Through exploring the link between thought and language and using primarily non-fiction texts for their own writing, students will learn to write in different essay forms. The possibilities include: classical essays, reports, journalistic forms, reviews, and speeches, among others. Other course work includes a study of how the media is shaping public discourse and affairs. Concluding the course requires students to write a major paper or review of a text assigned by the teacher. Students enrolled in this course also have the opportunity to write the Language and Composition Advanced Placement (AP) Exam, which can count toward college credit.

**ELT: Transactional Focus 40S**

This course concentrates on increasing students' independence in making meaningful and effective language choices. The emphasis is on the pragmatic uses of language: language that informs, directs, persuades and influences, analyzes argues, and explains. Transactional language is all around us, found in the contexts of advertising, journalism, education, research, the professional

sector, popular culture, mundane and complex social interactions, as well as various cultural texts. Within this course, students will study these things in deep and meaningful ways, while gaining confidence in representing their understanding both verbally and in written forms.

### **Essential Mathematics 40S**

**Prerequisite: Any 30S Mathematics course**

Essential Mathematics 40S is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Grade 12 Essential Mathematics is a one-credit course, emphasizing mathematical concepts and skills encountered in everyday life in a technological society. Topics include: analysis of games and numbers, vehicle finance, statistics, precision measurement, career life, home finance, geometry and trigonometry, business finance, and probability.

### **Film Analysis and Production 41G**

*does not qualify as second English for university entrance*

For decades, filmmaking has impacted the fibres of culture in ways unmatched by any other art form. This English course is designed to provide a focused forum for students to study, analyze and produce art in the form of film. Throughout this analysis and practical application, students will explore concepts and develop skills and techniques pertaining to the different stages of film production. This includes experiencing and working with various types of equipment, software, and media, both visual and aural. Moreover, as an English elective, students will develop and hone their creative literacy skills by studying the art of storytelling, by creating original genre-focused scripts and screenplays, and by working through the processes of conceptualization, acting, and editing.

### **Film and Broadcast Media-35S**

This is a full credit course, combining two half credit courses into one; next level movie making and broadcast media. The film portion is a continuation of Film and Photography 1 and will extend the idea of storytelling with film, 2D animation using traditional and computer options, and other media. In the Broadcast Media portion, students will learn how to investigate, write, film and assemble news-worthy stories and combine them into a full-length news broadcast. Previous experience in Film and Photography 1 would be helpful but not required. iMovie, Final Cut X and Anime 8 will be used throughout this course.

### **French: Communication & Culture 40S**

Themes of this course include adolescence and adulthood, leisure activities, arts and culture and social trends. Emphasis is placed on oral communication, reading and writing. Students talk about things that are important for their personal lives, and also important in the broader social context. Students experience aspects of Francophone cultures and recognize the relevance and value of French in their lives.

### **Global Issues: Citizenship and Sustainability 40S**

This course reflects the core concept of citizenship with an emphasis on the global perspective. Through an inquiry approach, students develop a rich and critical understanding of how the world works – politically, economically, socially, culturally, environmentally, and technologically. Students will be guided to develop values, make choices, and take action as global citizens who support environmental responsibility, economic viability, and a just society for all, now and in the future. The nature of the course invites inclusion of emerging global issues such as climate change, global pandemics, and sustainability.

### **Jazz Band 45S (½ credit)**

Jazz Band is a performance-based ‘big-band jazz’ ensemble course intended as a creative enrichment experience for students enrolled as a co-requisite in the Concert Band program, and assumes a familiarity with the technical and musical foundations presented there.

The Jazz Band meets outside the regular timetable twice a cycle at lunch, and an additionally scheduled five times after school.

Jazz band is a half-credit course for Grade 9 – 12 students, appearing on transcripts and contributing to their grade point average. However, jazz band may not count as part of the minimum credits required to graduate.

### **Physical Education/Health Education 40F**

As mandated by the province of Manitoba, grade eleven and twelve Physical Education courses are compulsory. They are designed to help students take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them and to engage in active lifestyles they enjoy in the present and could pursue into the future. Students will be expected to complete a required number of hours of physical activity of different intensities, log their hours, and report to their teacher about their progress. In order to receive their credits and graduate, students will have to meet the requirements of grade 11 and 12 Physical Education.

### **Physics 40S**

**Co-requisite: Pre-Calculus or Applied Mathematics**

**Prerequisite: Physics 30S (60% recommended)**

Physics 40S relies on and extends the studies began in Physics 30S. A PHS30S mark of more than 60% enables the student to have the background they need to succeed in this course. This course is designed to equip students so that they can excel in university studies in physics. The course will revisit concepts developed in PHS30S, especially those in kinematics and dynamics. The topics covered include: 2D relative motion, projectiles, circular motion, static equilibrium, electric currents, electromagnetic induction, work & energy, and momentum. In addition to the unit homework, there will be one or two formal lab write-ups a term, and two projects.

### **Pre-Calculus Mathematics 40S**

**Prerequisite: Pre-Calculus Mathematics 30S  
(70% recommended)**

Pre-Calculus Mathematics 40S is designed for students who intend to study calculus and related mathematics as part of post-secondary education. It builds on the topics studied in Grade 11 Pre-Calculus Mathematics and provides background knowledge and skills for the study of calculus in post-secondary institutions. The topics include study of transformations of functions, trigonometric functions, exponential functions, logarithmic functions, polynomial functions, radical functions, rational functions, and the binomial theorem. A scientific calculator is required (TI 30X recommended). Graphing calculators are no longer permitted for tests and exams in Pre-Calculus.

### **The Studio: 3 Credits**

**Admittance based on application, interview and portfolio**

The Studio is a creative, interdisciplinary learning environment that allows students to focus on individual passion projects while developing essential life skills. This program connects students to industry professionals who help mentor and guide both the students and their work as they dive deeper into their niche disciplines. Situated in a flexible, collaborative learning studio, students pursue unique, creative, and marketable skills by producing authentic projects that are born from deep inquiry and a love of their craft. Students will learn to think critically and solve problems creatively, produce quality work that strives to meet industry standards, and develop skills that prepare them for success beyond our walls. While supported by the school, teachers, mentors, fellow students, and the broader community, students who work within MBCI's Studio Program should be self-directed, highly motivated, and autonomous individuals, who are eager to bring their craft from The Studio to the world. Two credits will be earned in class time; 1 credit will be earned through independent work.

### **Yearbook (½ credits 25S & 35S)**

The purpose of this combined course is to provide students with the skills and knowledge to plan and create a variety of published print documents including documents for personal and business communications. The course's primary objective is to publish the MBCI yearbook.

## Other Credit Opportunities

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### Community Service Credit

MBCI is a Christian independent school rooted in the Anabaptist tradition. As part of this faith tradition, service has always been at the heart of our faith in Jesus Christ. At MBCI, we seek to serve in a multitude of ways, both within our walls and beyond them. Every student in our school is expected to do 15 hours a year of service from grade 7-12. The fact that many of our students go beyond this expectation demonstrates a desire for living with a focus on serving others.

The Manitoba Department of Education offers a High School credit for the service that students do (Community Service Student-Initiated Project Credit or SIP). In order to obtain this credit, a student must complete 110 hours beyond the current 15 hours expected as part of the Biblical Studies credit offered here at school. A half credit of 55 hours beyond the 15 hours is also available. These hours must be completed in a school calendar year.

It should also be noted that this credit does not replace any of the 33 credits required for the MBCI Diploma. Therefore the credit cannot be used to reduce MBCI's minimum course load requirements.

Guidelines for this credit are as follows:

- 1) This credit opportunity is to be discussed with the student's parents/guardians and will provide the school with completed and signed copies of the Parent/Guardian approval and the SIP approval forms. These forms are available from the Biblical Studies' Teacher, Guidance Counsellor or see the links below.

Parent Approval Form: [http://www.edu.gov.mb.ca/k12/policy/gradreq/docs/choice\\_appendb1.pdf](http://www.edu.gov.mb.ca/k12/policy/gradreq/docs/choice_appendb1.pdf)

SIP Approval form: [http://www.edu.gov.mb.ca/k12/policy/gradreq/docs/choice\\_appendb2.pdf](http://www.edu.gov.mb.ca/k12/policy/gradreq/docs/choice_appendb2.pdf)

- 2) Participate in a discussion with the Biblical Studies' Teacher, and Guidance Counsellor **prior to beginning any SIP**. We will discuss what kinds of skills, knowledge, and attitudes toward service the student hopes to acquire. A decision will then be made to determine whether the placement is appropriate for providing a credit. See the link above for the parent approval form.
- 3) No course enrollment is required and no extra charges are incurred in choosing to do a SIP.
- 4) A student may only obtain one full credit over the entire senior year's education. Credit can be obtained at the 11G, 21G, 31G, or 41G levels. It will be up to MBCI to decide once the service hours are done, whether the student has obtained the necessary skills and understanding to be given the credit. Periodic updates on the experience will be required.
- 5) The student will provide the school with documentation, most typically a letter from the community organization or group, indicating that participation took place, the number of hours worked, and that the civic skills, knowledge, and attitudes were obtained in the community service activity.
- 6) A credit obtained for a Community Service SIP is only for an activity done outside of any and all regular school programming.
- 7) MBCI and Manitoba Education and Training will not be liable for any injury to the student or for any damage to or loss of property of the student caused by or in any way related to the student's participation in a community service activity.
- 8) Assume, along with parents, the responsibility for safety and any additional insurance to protect the student in case of injury or harm.
- 9) Understand that withdrawal at any time from a service placement is possible at any time, for any reason.
- 10) The credit cannot be obtained if the activity involves assisting immediate family members.
- 11) Understand that the SIP credit is optional.
- 12) No remuneration or honorarium may be accepted by the student for work done.
- 13) Understand that court imposed service cannot be used.

### Private Music Option

Students enrolled in the Royal Conservatory of Music and Conservatory Canada Programs can earn high school credits for their efforts. Credit will be granted according to the chart below. In order for credit to be given, students are required to submit a copy of their theory and practical exam evaluation sheets. Credits are cumulative. For example, if a student qualifies for a Grade 11 credit

### Private Music Option Requirements

Music Instrument	Royal Conservatory of Music Exam Levels	Conservatory Canada Exam Levels	Receive Credit for...
Recorder, Oboe, Bassoon, French Horn, Trombone, Euphonium, Tuba, Percussion, Harp	Level 2 Practical Exam + Level 5 Theory	Grade 5 Classical or Level 5 Contemporary Idioms + Theory 1	Grade 9
Piano, Accordion, Voice, Guitar, Violin, Viola, Cello, Double Bass, Flute, Clarinet, Saxophone, Trumpet, and Speech Arts & Drama	Level 5 Practical + Level 5 Theory		Grade 9
Recorder, Oboe, Bassoon, French Horn, Trombone, Euphonium, Tuba, Percussion, Harp	Level 4 Practical + Level 6 Theory	Grade 6 Classical or Level 6 Contemporary Idioms + Theory 2	Grade 10
Piano, Accordion, Voice, Guitar, Violin, Viola, Cello, Double Bass, Flute, Clarinet, Saxophone, Trumpet, and Speech Arts & Drama	Level 6 Practical + Level 6 Theory		Grade 10
Recorder, Oboe, Bassoon, French Horn, Trombone, Euphonium, Tuba, Percussion, Harp	Level 6 Practical + Level 7 Theory	Grade 7 Classical or Level 7 Contemporary Idioms + Theory 3	Grade 11
Piano, Organ, Accordion, Voice, Guitar, Violin, Viola, Cello, Double Bass, Flute, Clarinet, Saxophone, Trumpet, and Speech Arts & Drama	Level 7 Practical + Level 7 Theory		Grade 11
All instruments, and Speech Arts & Drama	Level 8 Practical + Level 8 Theory	Grade 8 Classical or Level 8 Contemporary Idioms + Theory 4	Grade 12

they will also be given the Grade 9 and Grade 10 credits.

**Note:** Private Music Option (PMO) credits are not recognized by Manitoba Education and Training to fulfil graduation requirements. Upon successful completion of the PMO credit, students will receive an “S” for “Standing”. A percentage mark will not be recorded.

### Special Language Credit

Students who speak a second language other than French, German or English may earn a Special Language Credit. The Special Language Credit is earned by passing a test set by an outside agency or examiner that is registered with the Manitoba Department of Education & Training. Almost every language is eligible including American Sign Language. Students interested in this credit should contact a counsellor early in the school year so tests can be arranged.

**Note:** While this program can be used to earn credits for graduation, it cannot be used to reduce the minimum course load in any one high school year.

## **Co-Curricular Programs at MBCI**

MBCI offers an extensive co-curricular program for students in middle school and high school. We use the term “co-curricular” to describe our belief that these activities work in conjunction with classroom learning. We believe that student involvement in school-related activities create learning opportunities that foster skill development, team-building, commitment, responsibility, follow-through and character development.

### **Athletics**

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MBCI participates in the River East Transcona School Division Athletic Conference (RETSD) in Grades 6 through Grade 8. Our grade 9 teams are now part of a league that consists of schools from the RETSD and the Seven Oaks divisions. Our Junior Varsity and Varsity teams compete in the Kilcona Peguis Athletic Conference (KPAC). MBCI has teams in the following sports: Cross-country, volleyball, basketball, soccer, track and field and golf. Our JV and varsity teams compete provincially at the AAAA level. With a combination of dedicated athletes and coaches, MBCI's teams challenge annually for zone and provincial championships.

MBCI is a member of the Manitoba High Schools Athletic Association (MHSAA), please refer to page 5 for their recruiting and transfer policies.

### **Clubs**

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MBCI offers opportunity to participate in clubs such as the wilderness club, UN club, Youth in Philanthropy (YIP), creative writers club, drama club, chess club and photography club. Clubs vary from year to year depending on student interest.

### **Dramatic Arts**

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The teaching staff administers the dramatic arts program. Short dramatic works are prepared for in school and deputation occasions whereas major dramatic and musical productions provide opportunity for more extensive student involvement.

### **Educational Tours**

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In addition to study tours that include Europe, England and the Holy Land, the German exchange program, music tours and history trips enrich the academic program significantly and offer cross-cultural experiences.

### **Music**

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MBCI is home to vocal jazz and instrumental jazz ensembles as well as other small groups that enhance the music curriculum. Opportunities also exist for performing in chapels, special events and full stage musicals. Every second year MBCI performs a major musical production. In the alternating years, the Concert Band and Concert Choir go on an eleven-day tour in April.

### **Student Council**

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MBCI has an elected Student Council that organizes many social, spiritual, sports and musical activities each year.

League of Leaders (LOL) is comprised of Middle School students who plan events with Student Council and also organize activities for Middle School only.