

# Graduation Requirements for the Technology Education Program

Minimum 30 Credits

Effective September 2018, History of Canada 30F/E/M will become a compulsory credit for students graduating in 2020/21 and subsequent years.

The Technology Education Program consists of 17 compulsory credits, plus 8 compulsory credits from an approved technical-vocational cluster or business education and marketing/applied commerce education cluster, plus 5 optional credits. An approved cluster must comprise departmentally developed and/or approved courses that facilitate the transition from school to work.

## 17 Compulsory Credits

For a full explanation of course codes see [www.edu.gov.mb.ca/k12/mychild/common\\_questions\\_9to12.html](http://www.edu.gov.mb.ca/k12/mychild/common_questions_9to12.html)

| Subject Areas                                   | 5 Compulsory Credits<br><i>Grade 9</i>          | 5 Compulsory Credits<br><i>Grade 10</i>   | 4 Compulsory Credits<br><i>Grade 11</i>  | 3 Compulsory Credits<br><i>Grade 12</i>  |
|---|---|---|--|--|
| <b>English Language Arts</b>                    | English Language Arts 10F/E/M                   | English Language Arts 20F/E/M   | One of the following: <ul style="list-style-type: none"> <li>■ ELA: Comprehensive Focus 30S/E/M</li> <li>■ ELA: Literary Focus 30S/E/M</li> <li>■ ELA: Transactional Focus 30S/E/M</li> </ul>  | One of the following: <ul style="list-style-type: none"> <li>■ ELA: Comprehensive Focus 40S/E/M</li> <li>■ ELA: Language and Technical Communication 40S/E/M</li> <li>■ ELA: Literary Focus 40S/E/M</li> <li>■ ELA: Transactional Focus 40S/E/M</li> </ul>                 |
| <b>Mathematics</b>                              | Mathematics 10F/E/M                             | One of the following: <ul style="list-style-type: none"> <li>■ Essential Mathematics 20S/E/M</li> <li>■ Essential Mathematics I 25S/E/M and Essential Mathematics II 25S/E/M</li> <li>■ Introduction to Applied and Pre-Calculus Mathematics 20S/E/M</li> </ul> | One of the following: <ul style="list-style-type: none"> <li>■ Applied Mathematics 30S/E/M</li> <li>■ Essential Mathematics 30S/E/M</li> <li>■ Essential Mathematics III 35S/E/M and Essential Mathematics IV 35S/E/M</li> <li>■ Pre-Calculus Mathematics 30S/E/M</li> </ul> | One of the following: <ul style="list-style-type: none"> <li>■ Applied Mathematics 40S/E/M</li> <li>■ Essential Mathematics 40S/E/M</li> <li>■ Essential Mathematics V 45S/E/M and Essential Mathematics VI 45S/E/M</li> <li>■ Pre-Calculus Mathematics 40S/E/M</li> </ul> |
| <b>Physical Education/<br/>Health Education</b> | Physical Education/<br>Health Education 10F/E/M | Physical Education/<br>Health Education 20F/E/M   | Physical Education/<br>Health Education 30F/E/M  | Physical Education/<br>Health Education 40F/E/M  |
| <b>Social Studies</b>                           | Canada in the Contemporary<br>World 10F/E/M     | Geographic Issues of the<br>21st Century 20F/E/M  | History of Canada 30F/E/M  |  |
| <b>Science</b>                                  | Science 10F/E/M                                 | Science 20F/E/M   |  |  |

## 8 Compulsory Technology Education Credits

- Students must complete a minimum of 8 approved credits from within an approved technical-vocational cluster or business education and marketing/applied commerce education cluster.
- Students must fulfill the minimum 30-credit graduation requirement by completing 5 credits from the optional category.

## 5 Optional Credits

Five credits from subject areas such as:

- English language arts (additional courses for credit)
  - mathematics (additional courses for credit)
  - sciences (additional courses for credit)
  - social studies (additional courses for credit)
  - French (English Program)
  - other languages
  - the arts: visual arts, music, drama, dance
  - career development
  - psychology
  - computer science
  - technology education
    - technical-vocational education
    - human ecology
    - business and marketing/applied commerce
    - industrial arts
  - others as offered by the school including School-Initiated Courses (SICs) and Dual Credits
  - others as initiated by the student including Student-Initiated Projects (SIPs), Special Language Credit Options (SLCOs), Private Music Options (PMOs), and Royal Winnipeg Ballet
- See your school for a complete list of course offerings.

## Notes

- 1 All subjects are taught in English with the exception of other languages studied.
- 2 Credit cannot be held concurrently for the same course with different course designations (e.g., English Language Arts 10F and 10E).
- 3 Non-Manitoba courses from other jurisdictions may be evaluated and accepted by the school principal for credit to meet Manitoba high school graduation requirements.
- 4 In exceptional circumstances and in discussion with parents, a school administrator may approve the substitution of a maximum of two optional credits for two compulsory credits. All substitution of credits must be reported to Education Administration Services.
- 5 Students following Advanced Placement (AP) or International Baccalaureate (IB) programs must meet the Manitoba graduation requirements, including attaining credits in 40S English language arts and mathematics, and must write the provincial tests associated with these courses.
- 6 ELA: Language and Technical Communication 40S/E/M may be used to satisfy the Grade 12 English language arts requirement for the Technology Education Program diploma.
- 7 To complete a High School Apprenticeship Program as part of a Technology Education diploma, students must complete the 17 compulsory requirements and 8 approved High School Apprenticeship Program credits, along with the 5 optional credits.
- 8 Students (except those in HSAP) must complete a minimum of two Grade 11 credits and two Grade 12 credits within the approved technical-vocational cluster.
- 9 Students may obtain credit for a maximum of 11 SICs, 3 SIPs, 4 SLCOs, and 4 PMOs.
- 10 Students should ensure that they meet the entrance requirements of the post-secondary education (college or university), training, or work situation they intend to pursue.