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| **POST SECONDARY GOALS** | **Any post-secondary program is available with these credits.** | **Any post-secondary program is available with these credits.** | **Engineering requires Calculus 30, other programs recommend having** **Calculus 30** | **Engineering college programs require Pre-Calculus 30, most other university programs recommend having Pre-Calculus 30** | **University entrance requires Foundations 30.****A university will always look at students’ highest Foundation 30 or Pre-Calculus 30 mark.** | **Polytech, college programs , such as, business and health care programs require Workplace & Apprenticeship 30****Note:Apprenticeship programs require grade 12 and regular math and science credits.** |
| **MATHEMATICS COURSE GOAL** | **IB DIPLOMA CANDIDATE****(full IB)** | **IB MATH STANDARD LEVEL CERTIFICATE** | **CALCULUS 30** | **PRE-CALCULUS 30** | **FOUNDATIONS 30** | **WORKPLACE & APPRENTICESHIP 30** |
| **RECOMMENDED****GRADE 10 MATH CLASSES** | Semester 1: Foundations & Pre-Calculus 10Semester 2: Foundations 20  | Semester 1: Foundations & Pre-Calculus 10Semester 2: Foundations 20 | Semester 1:Foundations & Pre-Calculus 10Semester 2:Foundations 20 | Semester 1:Workplace & Apprenticeship 10 Semester 2:Foundations & Pre-Calculus 10 | Semester 1:Workplace & Apprenticeship 10Semester 2:Foundations & Pre-Calculus 10 | Semester 1:Workplace & Apprenticeship 10Semester 2:Foundations & Pre-Calculus 10 (optional) |
| **RECOMMENDED GRADE 11 MATH CLASSES** | Semester 1:Pre-Calculus 20(Foundations 30 – optional)Semester 2:Pre-Calculus 30 | Semester 1:Pre-Calculus 20 (Foundations 30 – optional)Semester 2:Pre-Calculus 30 | Semester 1:Pre-Calculus 20Semester 2:Foundations 30 | Semester 1:Foundations 20Semester 2:Pre-Calculus 20 | Semester 1:Workplace & Apprenticeship 20 Semester 2:Foundations 20  | Semester 1 or 2:Workplace & Apprenticeship 20 |
| **RECOMMENDED****GRADE 12 MATH CLASSESS** | Semester 1:Calculus 30Semester 2:IB Math | Semester 1:Calculus 30Semester 2:IB Math | Semester 1:Pre-Calculus 30Semester 2:Calculus 30 | Semester 1:Foundations 30Semester 2:Pre-Calculus 30 | Semester 1:Workplace & Apprenticeship 30 (optional)Semester 2:Foundations 30  | Semester 1 or 2:Workplace & Apprenticeship 30 |

**It is recommended that students take a Mathematics course each semester. This is to ensure the development of Math skills and retention of Math concepts from year to year. Students are encouraged to take the Math courses that they are capable of achieving to ensure that have the required courses for programs that they may be interested in after high school.**

**Foundations 30 is optional for IB students due to other course requirements in Grade 11. Students are encouraged to take Foundations 30 if it fits into their timetable in Semester 1 of Grade 11 but if not Foundations 30 can be taken Semester 2 of Grade 11 or during Grade 12.**