MATH 411

Mathematics-3

Once you successfully complete Mathematics 10-3 or Mathematics 10C, you will need to decide which course sequence will meet your needs during the rest of your high school career and beyond. Whether you plan on pursuing further studies or entering the workforce directly, the mathematics program is designed to help you develop the appropriate skills.

There is a mathematics course that will meet your needs, no matter how your plans change.

Who should take the Mathematics-3 course sequence?

- *Mathematics-3 is designed for students who want to learn the mathematics needed to enter* **most trades** *or who want to* **enter the workforce** *after high school.*

- *Most* **apprenticeship training programs** *in Alberta will recommend students successfully complete* **Mathematics 30-3**. *However, a small number of apprenticeship training programs may require students to complete the* **-2 course sequence** *in order to meet the mathematics* **entrance level competencies** *for those trades. Further information regarding apprenticeships can be found at* http://eae.alberta.ca/planning.aspx.

- *You should* **always check the most up-to-date information** *on post-secondary mathematics entrance requirements. A good place to start is the admissions page of the post-secondary institution that you would like to attend, or the* Alberta Learning Information Service (ALIS) website, *which outlines information regarding mathematics requirements at post-secondary institutions and programs in Alberta.*

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What will I learn in Mathematics-3?

- *You will use* SI and imperial *measures and apply them in 2-D and 3-D situations.*
- *You will extend your knowledge of* trigonometry *to include sine and cosine laws to solve problems.*
- *You will learn and apply* spatial, proportional, *and* logical *reasoning to solve problems.*
- *You will explore* financial topics, *including* personal finance *and basic* small business *operations.*
- *You will apply basic* statistics *and* probability *concepts to solve problems.*

What do I do if my interests or future plans change?

- *The Grades 10–12 Mathematics Program was designed to be* flexible *and to support student needs.*
- *If you develop new interests or post-secondary goals, you can transition to the* -1 course sequence *or* -2 course sequence *through* Mathematics 10C.
- *No matter how your plans change, there is a mathematics course that will meet your needs.*

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