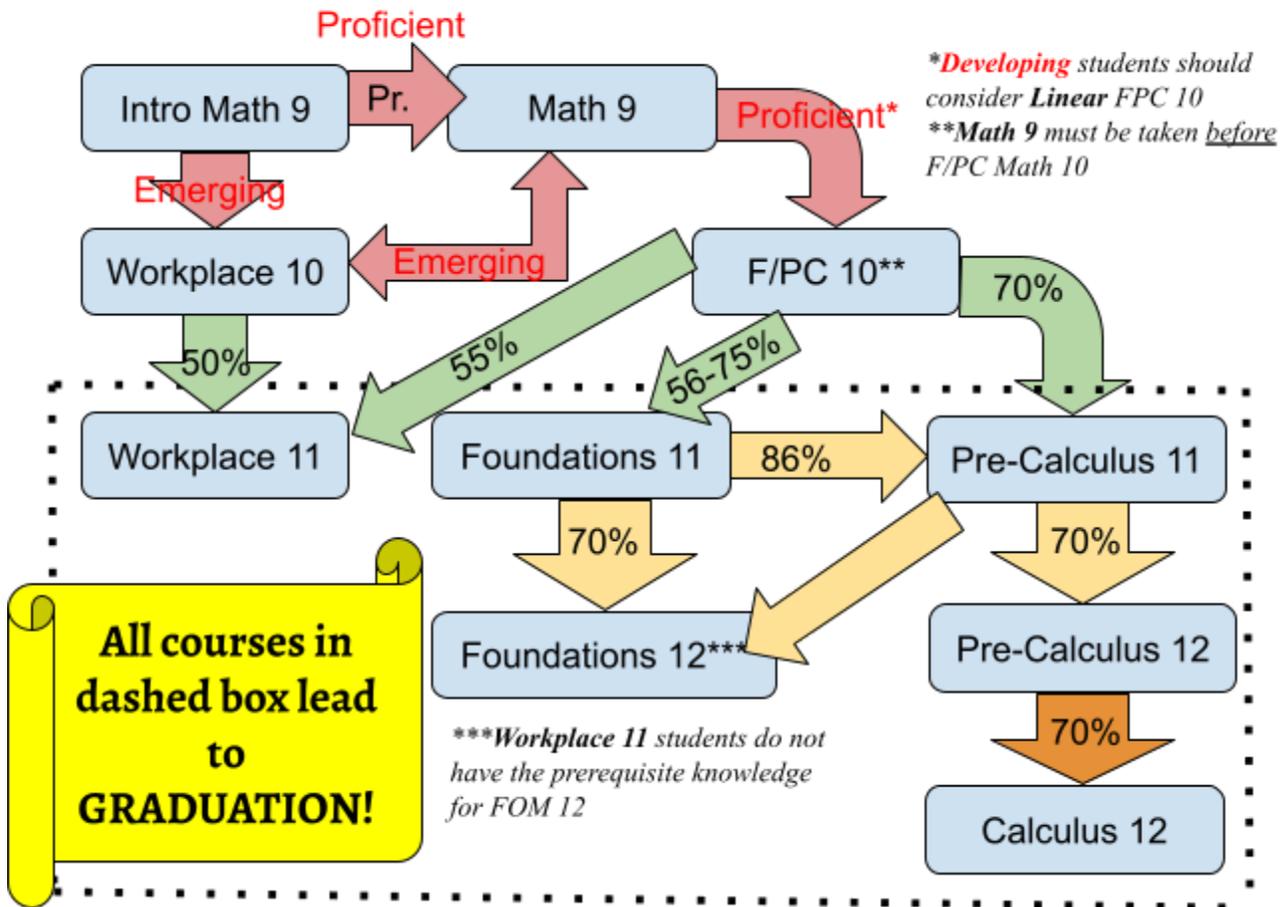


ESQUIMALT HIGH MATH PATHWAYS



Success in mathematics can affect your future. **Where do you want to be in 10 years?**



Trades Programs

Minimum program requirement:
Workplace Math 11



University Humanities

Minimum program requirement:
Foundations of Math 11



College Programs (non-STEM)

Minimum program requirement:
Workplace 11



Health Care Occupations

Minimum program requirement:
varies; not Workplace



Science or Engineering

Minimum program requirement:
Pre-Calculus 12; Calculus 12 (recc.)



UBC

Minimum program requirements:
Program specific.

Why take Linear Math 9 or Linear FPC Math 10?

- *Students take TWO semesters to learn one math course. This is currently working well for students that need a slower pace for a variety of reasons, including but not limited to: health issues, slower processing speeds, low confidence, high amounts of extra-curricular activities/absences...*
- ***The curriculum is the same as 1-semester math. Students with many knowledge gaps need to know that although the concepts are being taught more slowly, it doesn't mean that the math is easier. Please refer to the table on the front page for what % we recommend for each course.***

Why take Workplace?

- Trades programs actually prefer students to have these courses, although students may enter with higher level courses.
- It is the easiest mathematics pathway out of high school. Workplace 10 is considered to be easier than Mathematics 9 since the units that are geared for Pre-Calculus courses are removed.
- Although other college and university programs tend to not accept this as a prerequisite, the math door is never locked. Students may upgrade their mathematics in college, should life necessitate it.

Why take Foundations of Mathematics (FOM)?

- Most* university programs will accept FOM 11 as a prerequisite as long as the desired program does not require Math 100 (Calculus). (**UBC dropped PC 11 requirements as of 2026*)
- It is easier than PC 11. In fact, most students report that FOM 11 is easier than FPC 10. **If your FPC Math 10 is below 72%, FOM 11 is highly recommended prior to attempting PC Math 11.**
- It leads to FOM 12 which counts as an academic 12 in one's GPA. FOM 12 would be considered an easier academic 12, than say English 12, PC Math 12, Chemistry 12, etc.
- FOM 12 is an equivalent prerequisite to PC Math 11. Students can not only add an Academic 12 to their transcript, but also keep more postsecondary programs open than had they stopped at FOM 11. Esquimalt will offer FOM 12 each year but it is subject to enrollment.

Why take Pre-Calculus Mathematics (PC)?

- Any postsecondary program that has Math 100 as a required course, will demand that you have this level of math. Careers in medicine, science and engineering (amongst others) will require these courses.
- The highest ranked universities may require PC Math 11, although UBC just dropped this requirement for 2026 applications onward.
- It leads to Calculus 12.

Why take Calculus 12?

- Careers in medicine, science and engineering (amongst others) require at least a first-year calculus course (Math 100). Calculus 12 is a recommended prerequisite for Math 100.
- Historically, 50-60% of students fail Math 100 on their first attempt. Successful completion of Calculus 12 in high school greatly increases the probability of success in Math 100.
- Students **MUST** take PC Math 12 **BEFORE** Calculus 12. Concurrent scheduling of these classes will not allow students to be successful in Calculus.