FAQs Math -1 & -2 sequences

Why are there two academic sequences?
-1 is a theory based sequence to align with the demands of study/careers in some of the sciences and mathematics that requires the study of calculus.
-2 is offered to align with the demands of particular areas of study/careers that require more applied mathematics in the arts, English, history, geography, social sciences, some sciences, communication that do not require the study of calculus.

Is it possible to take both to take advantage of both course offerings, -1 and -2?
It is possible, but not recommended as students will not have time in their schedule to fit in all required courses.

If there is enough interest, might there be a possibility to have 20-2 in the fall and then 30-2 in the winter?
The possibility exists if there is enough demand, we would offer more classes. Our courses are scheduled based on demand for the course.

Which semesters will -1 courses will be offered?
These courses, like all courses, are offered based on demand each year. Typically, they have been offered both semesters each year.

Are geometry and statistics covered at all in the -1 sequence?
Geometry is not part of outcomes of -1 sequences. There is not an specific outcome for statistics in -1 either. However, part of the permutations unit in Math 30-1 has overlap with some outcomes of statistics. Other than that there is not any statistics related outcome in -1 courses.

Can students move from 30-2 to 30-1?
Alberta Education allows students to go from 30-2 to 30-1, however, WCS recommends students complete 20-1 after 30-2 prior to going into 30-1, to enhance the foundational learning needed for success.

Is it recommended to take math 31 and 35 together in the same year? Or math 30 and 31?
WCS recommends taking math 30-1 in grade 11 and math 31 and 35 in grade 12.
Students can take only Math31 without taking Math 35. If that's their choice, they can take Math 30-1 in first semester and Math31 in second semester.

Why is the school addressing Maths only? Why not Chemistry, Biology or Physics?
Alberta Education does not offer -2 classes in these sciences. There is a blended science sequence that includes all 3 sciences, but students at WCS have not been interested in this.

Can -2 students go into Engineering?
There are several pathways into engineering after high school. One is upgrading to math 30-1, or they may choose to enter through another program which accepts -2 and then transfer into

an engineering program. Additionally students may choose to study/intern under a professional engineer who is willing to take them on.

Would university programs typically accept -1 instead of -2 versus -2 only?
Depending on the program, different math sequences are required. Please check with the specific institutions being considered to see what is required for admission.

Can you please give some examples of university paths that require -1 and -2?

> Mount Royal University admission requirements: (degree and diploma programs)
> https://www.mtroyal.ca/Admission/AdmissionRequirements/high_school.htm
>
> SAITs admission requirements: (degree and diploma programs)
> https://www.sait.ca/admissions/admission-and-selection/admission-requirements
>
> U of C admission requirements:
> https://www.ucalgary.ca/pubs/calendar/current/a-5-1-1.html

Can students go to summer school after completing grade 12 to take Math 30-1 or 30-2? Do they have to go to SAIT?
Both courses may be completed in summer school at an accredited school. Upgrading Students can upgrade their course at institutions like Bow Valley College as well.

How would you advise a student who is not sure of their post secondary goals?
It would depend on general areas of interest, interest in post secondary education, interest in mathematics and their learning style and their ability in Mathematical thinking. Teachers who have taught students will be a reliable reference to give students feedback about their learning abilities.

Is -1 generally more required / accepted across multiple university options?
This is totally dependent on the areas of study and the institutions.

Do you know if both sequences are recognized in undergrad programs in the US?
You would need to check the particular programs in the USA to know which mathematics sequence they require..