Dear Parent/Guardian of Grade 10 Student,

The Archbishop O’Leary Mathematics Department is committed to helping your child achieve success and reach his or her goals. Part of this process involves selecting the most appropriate 20-level math course.

**Step 1: Research Career Goals**

As Alberta Education has implemented a new math curriculum, the different courses are designed to best reflect your child’s future career path. Different programs require different mathematics courses. A sample is listed below.

**Various Programs Accepting 30-2**

* Law (requires an initial degree, for example a Bachelor of Arts)
* Nursing at the University of Alberta
* Bachelor of Education (elementary and secondary, unless you want to teach math)
* Bachelor of Commerce at

Grant MacEwan

* Bachelor of child & youth care at Grant MacEwan
* Dental Assisting/Technology at NAIT
* Engineering Technology at NAIT
* Respiratory Therapy at NAIT
* Industrial Heavy Equipment Technology at NAIT
* ALL programs at Concordia

**Various Programs Requiring 30-1**

* Bachelor of Science at the

University of Alberta

* Bachelor of Engineering at the University of Alberta
* Bachelor of Commerce at the University of Alberta
* Any post-secondary program that is calculus-based.

Please note that this is not a comprehensive list. The most up-to-date information on post-secondary mathematics entrance requirements can be found at:

* Alberta Learning Information Service website:

http://alis.alberta.ca/ec/ep/aas/ta/mathreq.html

* individual post-secondary institution websites

O’Leary’s Student Services can also answer any questions you might have about post-secondary.



**Step 2: Choose Appropriate Math Course**

When choosing the appropriate 20-level math course, you should take into account

* your post-secondary program requirements
* your mathematical abilities (with regards to specific topics)
* your work ethic

The sequence for the various mathematics courses is listed below:



Evaluating your mathematical abilities is not solely dependent on your final mark in Math 10. Instead, you should reflect on your achievement in specific topics of study.

The table below shows the grade 10 topics you should be proficient in, in order to improve your chances of success in each 20-level math course.

|  |  |  |
| --- | --- | --- |
| **Math 20-1** | **Math 20-2** | **Math 20-3** |
| **The Math 10 Common topics that you should be proficient in are:** | **The Math 10-3 topics you should be proficient in are:** |
| * Polynomials
 | * Polynomials
 | * Proportional Reasoning
 |
| * Exponents & Radicals
 | * Exponents & Radicals
 | * Personal Finance
 |
| * Linear Equations
 | * Functions & Relations
 | * Measurement
 |
| * Trigonometry
 | * Trigonometry
 | * Trigonometry
 |

Course selections will be taking place at Archbishop O’Leary in the spring. Please feel free to contact any of the mathematics teachers, or Student Services, if you have questions about these different courses.