**MATL Subject-Area Background Self-Assessment Grid:**

**Mathematics (45 Credits)**

Admission to the MATL program requires 45 credits of previous university level studies in a designated ‘teachable subject’ area (i.e. a subject which is taught in the secondary school classroom). Please fill in the grid below, listing courses from your previous studies which, in your estimation, fit the categories. Add any necessary explanation. Courses listed must be at the 200 level (according to McGill standard) or higher and you must have received a grade equivalent to McGill grade of “C” or higher. Please submit your completed grid as a supporting document to your application.

**Ideal distribution of 45 credits**- With a view to informing an applicant’s consideration of which courses to count within the required 45 credits of disciplinary background courses, and also to assist the admissions committee in their assessment, the following ideal distribution of credits has been mapped out, informed by a) Ministry regulations and b) the Quebec Education Program.

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| **15 credits in Required Mathematics*** 3 credits in Abstract Algebra (e.g. McGill course [MATH 235](http://www.mcgill.ca/study/2018-2019/courses/math-235)) or Analysis (e.g. McGill course [MATH 242](http://www.mcgill.ca/study/2018-2019/courses/math-242))
* 3 credits in Linear Algebra (e.g. McGill course [MATH 223](http://www.mcgill.ca/study/2018-2019/courses/math-223))
* 3 credits in Probability/Statistics (e.g. McGill courses [MATH 323](http://www.mcgill.ca/study/2018-2019/courses/math-323), [MATH 324](http://www.mcgill.ca/study/2018-2019/courses/math-324))
* 3 credits in Calculus (e.g. McGill course [MATH 222](http://www.mcgill.ca/study/2018-2019/courses/math-222))
* 3 credits in Differential Equations (e.g. McGill course [MATH 315](http://www.mcgill.ca/study/2018-2019/courses/math-315))

**30 credits in Additional Mathematics including ;*** Geometry, Topology , Graph Theory;
* Number Theory and Numerical Structures;
* Additional courses in mathematics (e.g. Theories and Methods in Calculus (Integral, Numerical Methods etc.), Theory of Equations);
* Other areas within the field (e.g. Logic, Set Theory, Discrete Mathematics, Mathematical Modeling, Measure Theory, Optimization Theory) ;
* Courses related to Information and Communication Technology (ICT) (e.g. logical-mathematical reasoning applied to programming)
* Courses in physics and engineering with mathematics content (e.g. Modeling of Mathematical Phenomena);
* History and Epistemology of Mathematics

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| Student: | MATL: **Mathematics** |
| McGill ID: | Previous Degree(s): |
| Date: | Additional background: |
| **Mathematics (45 credits)** |
| **15 credits in Required Mathematics** |
|  | **University** | **Course #** | **Course Title (Year/Term)** | **Grade** | **CREDITS** |
| **Abstract Algebra/Analysis** |  |  |  |  |  |
| **Linear Algebra** |  |  |  |  |  |
| **Probability/****Statistics** |  |  |  |  |  |
| **Calculus** |  |  |  |  |  |
| **Differential Equations** |  |  |  |  |  |
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| **Sub-total** |  /15 |
| **30 credits in Additional Mathematics**  |
|  | **University** | **Course #** | **Course Title (Year/Term)** | **Grade** | **CREDITS** |
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| **Sub-total** |  /30 |
| **Total Credits** |  /45 |

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| **List any courses that do not fit into the categories above, but are related to the subject-area** |
| **University** | **Course number** | **Course Title (Year/Term)** | **Grade** | **CREDITS** |
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**EXPLANATORY NOTES:**

**Course and Program Links**

Please provide a link to your program of study and links to the course descriptions for every course listed above

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| **University** | **Program** | **Link to Program of Study** |
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| **University** | **Course Number** | **Link to Course Description** |
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