

# PLANS CHART

## Math/ELAS CURRENT STUDENT

This chart is a list of some plans **starting in first year** within the Faculty of Mathematics with their required [non-math](#) courses. Use this as a reference and guide to selecting your [non-math](#)/elective course(s). For a complete listing of all courses offered, please refer to the [Undergraduate Calendar](#).

PLAN NAME	FIRST-YEAR NON-MATH COURSES
<b>COMPUTER SCIENCE</b> *	A <a href="#">Communication</a> course, and any other <a href="#">non-math</a> course for your 1A and 1B terms. Typically EMLS <a href="#">102R</a> /or <a href="#">101R</a> taken in your first term/1A.
<b>MATHEMATICS</b>	A <a href="#">Communication</a> course, and any other <a href="#">non-math</a> course for your 1A and 1B terms. Typically EMLS <a href="#">102R</a> /or <a href="#">101R</a> taken in your first term/1A.
<p><i>At the end of first year within <b>MATHEMATICS</b> you will choose/declare a major:</i></p> <ul style="list-style-type: none"> <li>➤ Actuarial Science</li> <li>➤ Applied Mathematics</li> <li>➤ Combinatorics and Optimization</li> <li>➤ Computational Mathematics</li> <li>➤ Mathematical Economics</li> <li>➤ Mathematical Finance</li> <li>➤ Mathematical Optimization</li> <li>➤ Mathematical Physics</li> <li>➤ Mathematical Studies</li> <li>➤ Pure Mathematics</li> <li>➤ Statistics</li> <li>➤ Statistics for Health</li> </ul>	<p>At the end of first year you will choose a major.</p> <p>Review the <b>2A plans chart</b> for the popular plans available to you beginning in 2A. Select your <a href="#">non-math</a> courses from the suggested list of courses for plans starting in 2A. For a complete listing of all courses offered, please refer to the <a href="#">Undergraduate Calendar</a>.</p>
<b>MATHEMATICS /BUSINESS</b> * <b>ADMINISTRATION</b>	A <a href="#">Communication</a> course and <b>one of</b> : BUS <a href="#">111W</a> , ECON <a href="#">101</a> , <a href="#">102</a> and <a href="#">AFM 101</a> are taken in both your 1A and 1B terms. Typically EMLS <a href="#">102R</a> /or <a href="#">101R</a> taken in your first term/1A.
<b>MATHEMATICS /FINANCIAL</b> * <b>ANALYSIS AND RISK MANAGEMENT</b>	A <a href="#">Communication</a> course and <b>one of</b> : BUS <a href="#">111W</a> , ECON <a href="#">101</a> , <a href="#">102</a> and <a href="#">AFM 101</a> are taken in both your 1A and 1B terms. Typically EMLS <a href="#">102R</a> /or <a href="#">101R</a> taken in your first term 1A.

**Plans chart for plans starting in 2A** <https://uwaterloo.ca/new-math-students/course-selection/plans-chart-plans-starting-2a>

**Communication Skills** courses <https://uwaterloo.ca/math/current-undergraduates/communication-skills>