

## MATHEMATICS MAJOR — CO-OP PROGRAM

<b>SKILLS ACQUIRED IN THE BACHELOR OF SCIENCE – MATHEMATICS MAJOR PROGRAM</b>		
	<u><b>Training and knowledge acquired</b></u>	<u><b>Typical competencies</b></u>
<b>WORK TERM I</b> (2d year completed)	<ul style="list-style-type: none"> <li>• Knowledge of Fundamental Mathematics.</li> <li>• Knowledge of Applied Statistics.</li> <li>• General knowledge at least two sciences (Physics, Chemistry or Biology).</li> <li>• Familiarity with computer tools.</li> <li>• Trained in formal and logical argumentation.</li> </ul>	<ul style="list-style-type: none"> <li>• Efficient assistance in various projects which include an analytical and quantitative part.</li> <li>• Performing computations on a computer, as well as carrying out other types of work which require basic computer knowledge.</li> </ul>
<b>WORK TERM II</b> (3rd year completed)	<ul style="list-style-type: none"> <li>• Knowledge of Fundamental and Applied Mathematics.</li> <li>• Knowledge of Probability and Applied Statistics.</li> <li>• Knowledge of Mathematics and Statistics Softwares.</li> </ul>	<ul style="list-style-type: none"> <li>• Computations (on a computer) requiring intermediate mathematical and/or statistical knowledge.</li> <li>• Numerical and quantitative analysis within projects.</li> </ul>
<b>WORK TERM III</b> (4th year completed)	<ul style="list-style-type: none"> <li>• Knowledge in Applied Mathematics, especially in a chosen specialized area.</li> <li>• Competent writing of Study and Research reports.</li> <li>• Has developed an analytical mind and acquired competence in computations.</li> </ul>	<ul style="list-style-type: none"> <li>• Familiarity with computer programs, especially with Mathematics and Statistics softwares.</li> <li>• Knowledge of current Mathematics and Statistics principles.</li> <li>• Teaching Mathematics and Statistics.</li> </ul>

These students have a minor in another science discipline. Therefore, their formation is much broader.