

Computer Science, Grade 12 – University Preparation ICS 4U0

This advanced programming course is aimed at students who enjoyed and excelled at the programming concepts covered in ICS 3U0. In this course, you will continue to refine your Java programming skills with an emphasis on coding efficiency and critical thinking skills. The programs created will cover a wide range of topics, from Swing generated GUIs, to database management, to the final project of creating a large-scale program for a teacher in the school. Students will also examine ethical, societal and ergonomic issues that arise from the increased use of computers in the 21st Century. Career pathways include those in the computing industry, programming, Information Technology, Engineering, and a variety of other specializations.

Prerequisite: Introduction to Computer Science, Grade 11 – University Preparation (ICS 3U0)