



DIPLOMA OF PROGRAMMING

The Diploma of Computer Software offers fundamentals in software engineer knowledge and skills with two specializations available: Game Programming and Artificial Intelligence. You will explore the field of Computer software, developing the fundamentals of algorithm and data structure design, software engineering project management, and ethical development and research practices. The structure of this diploma in software development consists of a common Computer software core, specialization and elective subjects, allowing you to sharpen your technical skills, industry knowledge and proficiency in developing functioning applications.

Diploma teaches students the skills necessary to design and develop user-friendly software. Computer programming and system design are also taught. In addition to the development of software, students will learn how to test, troubleshoot and maintain programs. Problem-solving and communication skills will be taught as well. For individuals who enjoy working with computers and are interested in improving the population's usage of them, this can be a great course to take. The field of Computer Software is a competitive one, but completion of this course will give graduates a better chance of being hired. In addition, graduates of this program will have the satisfaction of knowing their work improves the daily lives of many people. Graduates of this program may expect to be hired as computer programmers, software engineers or database developers. There are usually many jobs available in this field, most of which pay an excellent wage. Competition for the best jobs remains high, so applicants with a good education will have a leg up over the competition. Many colleges and universities offer diploma programs on flexible schedules. Employed students may prefer to attend classes part time or online.

Program	Diploma of Programming	
Credit Hours	72 Credits	
Duration	Academic Year (9 Months)	
SUBJECT	CREDIT HOURS	CODE
English Language 101	3	EN101
English Language 102	3	EN102
Introduction To Information Technology	3	CP241
Operating Systems	3	CP242
Database Management	3	CP243
System Analysis and Design	3	CP244
Networks	6	CP245
C# / C++	3	CP246
Algorithms	3	CP247
Python Programming	6	CP248
JAVA	6	CP249
PHP	6	CP250
HTML	6	CP251
Graduation Project	18	CP252