

**FACULTY OF APPLIED SCIENCE AND TECHNOLOGY**  
**Computer Systems Technician – Software Engineering – September 2021**

TERM 1  September 2021	PROG10082  Object Oriented Programming 1 – Java	SYST10049  Web Development	TELE13167  Introduction to Data Communications and Networking	COMM13729  The Art of Technical Communication	MATH18584  Computer Math Fundamentals	CULT10001G  The Impact of Culture on the Canadian Workplace (mandated gen-ed)
22 Cr./Hrs. 22	Credits 6.0	Credits 3.0	Credits 3.0	Credits 3.0	Credits 4.0	Credits 3.0

TERM 2  January 2022	PROG24178  Object Oriented Programming 2 – Java  Pre-req: PROG10082	SYST10199  Web Programming  Pre-req: SYST10049	TELE33324  Data Network Design and Configuration – Routers & Switches  Pre-req: TELE13167	SYST15892  Interactive User Interface Design	SYST17796  Fundamentals of Software Design  Pre-req: PROG10082	SYST13416  Linux/Unix Operating Systems
21 Cr./Hrs. 21	Credits 6.0	Credits 3.0	Credits 3.0	Credits 3.0	Credits 3.0	Credits 3.0

TERM 3  May 2022	PROG32758  Enterprise Java Development  Pre-req: PROG24178	SYST28951  Systems Development Methodologies Pre-req: SYST15892 and COMM13729 and SYST17796	INFO24178  Computer & Network Security  Pre-req: TELE33324	DBAS27198  Database Design and Implementation  Pre-req: MATH18584	SYST26671  Computer Architecture  Pre-Req: PROG10082	CCGE (General Education)
22 Cr./Hrs. 22	Credits 6.0	Credits 3.0	Credits 3.0	Credits 4.0	Credits 3.0	Credits 3.0

TERM 4  September 2022  Students choose one elective from Option Electives	PROG32356  <b>.NET Technologies Using C#</b>  Pre-req: PROG24178 and DBAS27198	SYST24444  Mobile Web-based Applications  Pre-req: SYST10199	INFO20172  IT Project Management using PMP	PROG20799  Data Structures & Algorithm Development – C  Pre-req: PROG32758	OPTION ELECTIVES		CCGE (General Education)
					DBAS32100  Database Management <i>Career path, Advanced Diploma Path</i>  Pre-req: DBAS27198 and PROG10082	MATH24376  Applied Calculus  <i>Degree path</i>	
24 Cr./Hrs.24	Credits 6.0	Credits 3.0	Credits 3.0	Credits 6.0	Credits 3.0	Credits 3.0	Credits 3.0