



## **PROGRAM STRUCTURE**

**INFORMATION TECHNOLOGY: WEB AND MOBILE APPLICATION  
DEVELOPMENT  
ITDI**

**2021 - 2023**

## **AREA OF STUDY**












- Business Management
- Compiler Construction
- Computer Engineering Technology
- Database Management
- Health and Safety
- Mathematics
- Multimedia Computing Science
- Personal Development
- Programming
- Project Management
- Systems Analysis and Design
- Written Communication Techniques

# CURRICULUM CHART

## COMPULSORY COURSES

NUMBER OF CREDITS: 50

<b>Program Title:</b> Information Technology: Web and Mobile Application Development						<b>Code:</b> ITDI			
<b>Duration:</b> The requirements for this diploma program may be achieved within two academic years of full-time study.						<b>Number of Courses:</b> 36			
CODE	SIMS CODE	TITLE		EFFECTIVE DATE	UNITS	HOURS		PREREQUISITE(S)	COREQUISITE(S)
						SCHEDULED	NOMINAL		
<a href="#">BMGE1150C</a>	677018	Business for IT Professionals		2021-06-01	1	45	45	None	None
<a href="#">CEIO1058C</a>	677061	Systems I: Hardware Components and Set Up		2021-03-18	1	45	45	None	None
<a href="#">COMC1000C</a>	677124	Introduction to Development Tools		2021-03-20	1	45	45	None	<a href="#">*PROG1017G (PROG1260)</a>
<a href="#">COMM1155</a>	668286	Applied Writing Skills		2009-01-01	1	45	45	None	None
<a href="#">DATA1024</a>	668529	Introduction to SQL		2013-05-23	1	45	45	None	None
<a href="#">DATA1025</a>	668530	Intermediate SQL		2013-05-23	1	45	45	<a href="#">DATA1024</a>	None
<a href="#">DATA1028</a>	668656	Database Design		2014-05-29	1	45	45	None	None
<a href="#">MATH1183B</a>	677076	Computer Math and Statistics		2021-03-18	1	45	45	None	None
<a href="#">MULT1083</a>	668304	Fundamentals of Web Design		2013-05-23	1	45	45	None	None
<a href="#">MULT1170</a>	674389	Responsive Web Design		2014-05-29	1	45	45	<a href="#">MULT1083</a>	None
<a href="#">PERS1065E</a>	677028	Interpersonal Communication		2021-06-01	1	45	45	None	None
<a href="#">PERS1070E</a>	677031	Employment Strategies		2021-06-01	1	45	45	None	None
<a href="#">PERS1228C</a>	677066	Orientation to Community Service		2021-06-01	0	7	7	None	None
<a href="#">PROG1017G</a>	675359	Introduction to Programming		2016-05-27	2	90	90	None	None
<a href="#">PROG1024I</a>	676138	Advanced Topics - Web Dev		2019-06-01	2	90	90	<a href="#">PROG1179I</a> <a href="#">PROG1025F</a>	None
<a href="#">PROG1025F</a>	676134	Server Side Web Dev - ASP.Net		2018-06-01	3	135	135	<a href="#">DATA1025</a> <a href="#">*PROG1121K (PROG1264)</a> <a href="#">MULT1084</a> <a href="#">(*MULT1170)</a>	None
<a href="#">PROG1090J</a>	675109	Intermediate Java		2016-05-27	2	90	90	<a href="#">*PROG1311B (PROG1261)</a>	None
<a href="#">PROG1121K</a>	677077	Database Programming		2021-03-18	2	90	90	<a href="#">DATA1024</a> <a href="#">*PROG1311B (PROG1261)</a>	None
<a href="#">PROG1128</a>	668183	JavaScript Programming		2013-06-01	1	45	45	<a href="#">MULT1083</a>	None
<a href="#">PROG1179I</a>	676625	N-tier Development		2020-03-19	2	90	90	<a href="#">DATA1025</a> <a href="#">SYST1017</a> <a href="#">PROG1311B</a> <a href="#">PROG1121K</a>	None
<a href="#">PROG1189</a>	669263	Comprehensive Development Project		2009-07-01	4	90	180	None	None
<a href="#">PROG1191</a>	668503	PHP		2015-05-28	2	90	90	<a href="#">MULT1084</a> <a href="#">(*MULT1170)</a> <a href="#">DATA1025</a>	None
<a href="#">PROG1192F</a>	677024	Practicum: IT		2021-06-01	2	180	180	None	None
<a href="#">PROG1246D</a>	675084	Alternative Web Technologies		2016-05-26	1	45	45	<a href="#">MULT1084</a> <a href="#">(*MULT1170)</a> <a href="#">DATA1025</a> <a href="#">PROG1311B</a>	None
<a href="#">PROG1265E</a>	676626	Enterprise Applications – Java		2020-03-19	2	90	90	<a href="#">*PROG1090J (PROG1303)</a>	None

<b>Program Title:</b> Information Technology: Web and Mobile Application Development						<b>Code:</b> ITDI			
<b>Duration:</b> The requirements for this diploma program may be achieved within two academic years of full-time study.						<b>Number of Courses:</b> 36			
CODE	SIMS CODE	TITLE		EFFECTIVE DATE	UNITS	HOURS		PREREQUISITE(S)	COREQUISITE(S)
						SCHEDULED	NOMINAL		
<a href="#"><u>PROG1288G</u></a>	677078	Hybrid Mobile Development		2021-03-18	1	45	45	<a href="#"><u>MULT1170</u></a> <a href="#"><u>PROG1128</u></a> <a href="#"><u>DATA1024</u></a>	None
<a href="#"><u>PROG1305G</u></a>	676401	Android Programming		2020-03-19	1	45	45	<a href="#"><u>*PROG1090J</u></a> <a href="#"><u>(PROG1303)</u></a>	None
<a href="#"><u>PROG1311B</u></a>	675360	Object Oriented Programming		2017-03-23	2	90	90	<a href="#"><u>PROG1017G</u></a>	None
<a href="#"><u>PROG1315B</u></a>	676139	iOS Application Development		2019-06-01	2	90	90	None	None
<a href="#"><u>PROG1317B</u></a>	677088	Advanced JavaScript		2021-03-18	1	45	45	<a href="#"><u>MULT1170</u></a> <a href="#"><u>PROG1128</u></a> <a href="#"><u>*PROG1311B</u></a> <a href="#"><u>(PROG1261)</u></a>	None
<a href="#"><u>PROG1321B</u></a>	677091	Networking for Programmers		2021-03-19	1	45	45	<a href="#"><u>*PROG1017G</u></a> <a href="#"><u>(PROG1260)</u></a>	None
<a href="#"><u>PROJ1029</u></a>	668360	Project Management		2015-05-28	1	45	45	None	None
<a href="#"><u>SECU1221G</u></a>	677064	Work Safely		2021-06-01	0	15	15	None	None
<a href="#"><u>SYST1017</u></a>	668532	Object Oriented Analysis and Design		2014-05-29	2	90	90	None	None
<a href="#"><u>SYST1033</u></a>	672878	User Interface Design		2011-09-03	1	45	45	None	None
<a href="#"><u>SYST1038</u></a>	674285	Quality Assurance Testing		2013-08-10	1	45	45	None	None
Total number of hours:						2272	2362		

\* Prerequisite or associated course selected for this program

**TOTAL REQUIRED CREDITS: 50**

## Delivery Sequence

\* Specific Electives

### 2021 September Intake

**Term Fall 2021 1219 - Total required elective credits (0)**

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<a href="#"><u>COMC1000C</u></a>	677124	Introduction to Development Tools	2021-03-20	1	45	45		<a href="#"><u>*PROG1017G</u></a> <a href="#"><u>(PROG1260)</u></a>
<a href="#"><u>COMM1155</u></a>	668286	Applied Writing Skills	2009-01-01	1	45	45	None	None
<a href="#"><u>DATA1028</u></a>	668656	Database Design	2014-05-29	1	45	45	None	None
<a href="#"><u>MATH1183B</u></a>	677076	Computer Math and Statistics	2021-03-18	1	45	45	None	None
<a href="#"><u>MULT1083</u></a>	668304	Fundamentals of Web Design	2013-05-23	1	45	45	None	None
<a href="#"><u>MULT1170</u></a>	674389	Responsive Web Design	2014-05-29	1	45	45	<a href="#"><u>MULT1083</u></a>	None
<a href="#"><u>PERS1065E</u></a>	677028	Interpersonal Communication	2021-06-01	1	45	45	None	None
<a href="#"><u>PERS1228C</u></a>	677066	Orientation to Community Service	2021-06-01	0	7	7	None	None

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<u>PROG1017G</u>	675359	Introduction to Programming	2016-05-27	2	90	90	None	None
<u>SECU1221G</u>	677064	Work Safely	2021-06-01	0	15	15	None	None
<u>SYST1033</u>	672878	User Interface Design	2011-09-03	1	45	45	None	None

**Term Winter 2022 1221 - Total required elective credits (0)**

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<u>CEIO1058C</u>	677061	Systems I: Hardware Components and Set Up	2021-03-18	1	45	45	None	None
<u>DATA1024</u>	668529	Introduction to SQL	2013-05-23	1	45	45	None	None
<u>DATA1025</u>	668530	Intermediate SQL	2013-05-23	1	45	45	<u>DATA1024</u>	None
<u>PROG1128</u>	668183	JavaScript Programming	2013-06-01	1	45	45	<u>MULT1083</u>	None
<u>PROG1311B</u>	675360	Object Oriented Programming	2017-03-23	2	90	90	<u>PROG1017G</u>	None
<u>PROJ1029</u>	668360	Project Management	2015-05-28	1	45	45	None	None
<u>SYST1017</u>	668532	Object Oriented Analysis and Design	2014-05-29	2	90	90	None	None
<u>SYST1038</u>	674285	Quality Assurance Testing	2013-08-10	1	45	45	None	None

**Term Spring 2022 1224 - Total required elective credits (0)**

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<u>PROG1121K</u>	677077	Database Programming	2021-03-18	2	90	90	<u>DATA1024</u> <u>*PROG1311B</u> <u>(PROG1261)</u>	None
<u>PROG1288G</u>	677078	Hybrid Mobile Development	2021-03-18	1	45	45	<u>MULT1170</u> <u>PROG1128</u> <u>DATA1024</u>	None
<u>PROG1321B</u>	677091	Networking for Programmers	2021-03-19	1	45	45	<u>*PROG1017G</u> <u>(PROG1260)</u>	None

**Term Fall 2022 1229 - Total required elective credits (0)**

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<u>PERS1070E</u>	677031	Employment Strategies	2021-06-01	1	45	45	None	None
<u>PROG1025F</u>	676134	Server Side Web Dev - ASP.Net	2018-06-01	3	135	135	<u>DATA1025</u> <u>*PROG1121K</u> <u>(PROG1264)</u> <u>MULT1084</u> <u>(*MULT1170)</u>	None
<u>PROG1090J</u>	675109	Intermediate Java	2016-05-27	2	90	90	<u>*PROG1311B</u> <u>(PROG1261)</u>	None
<u>PROG1179I</u>	676625	N-tier Development	2020-03-19	2	90	90	<u>DATA1025</u> <u>SYST1017</u> <u>PROG1311B</u> <u>PROG1121K</u>	None
<u>PROG1246D</u>	675084	Alternative Web Technologies	2016-05-26	1	45	45	<u>MULT1084</u> <u>(*MULT1170)</u> <u>DATA1025</u> <u>PROG1311B</u>	None

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<u>PROG1317B</u>	677088	Advanced JavaScript	2021-03-18	1	45	45	<u>MULT1170</u> <u>PROG1128</u> <u>*PROG1311B</u> <u>(PROG1261)</u>	None

**Term Winter 2023 1231 - Total required elective credits (0)**

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<u>BMGE1150C</u>	677018	Business for IT Professionals	2021-06-01	1	45	45	None	None
<u>PROG1024I</u>	676138	Advanced Topics - Web Dev	2019-06-01	2	90	90	<u>PROG1179I</u> <u>PROG1025F</u>	None
<u>PROG1191</u>	668503	PHP	2015-05-28	2	90	90	<u>MULT1084</u> <u>(*MULT1170)</u> <u>DATA1025</u>	None
<u>PROG1265E</u>	676626	Enterprise Applications – Java	2020-03-19	2	90	90	<u>*PROG1090J</u> <u>(PROG1303)</u>	None
<u>PROG1305G</u>	676401	Android Programming	2020-03-19	1	45	45	<u>*PROG1090J</u> <u>(PROG1303)</u>	None
<u>PROG1315B</u>	676139	iOS Application Development	2019-06-01	2	90	90	None	None

**Term Spring 2023 1234 - Total required elective credits (0)**

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<u>PROG1189</u>	669263	Comprehensive Development Project	2009-07-01	4	90	180	None	None
<u>PROG1192F</u>	677024	Practicum: IT	2021-06-01	2	180	180	None	None

**UNSCHEDULED ELECTIVES**

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
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