



PROGRAM STRUCTURE

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

2020 - 2022

AREA OF STUDY

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

CURRICULUM CHART

COMPULSORY COURSES








NUMBER OF CREDITS: 50

Program Title: Information Technology: Web and Mobile Application Development

Code: ITDI



Duration: The requirements for this diploma program may be achieved within two academic years of full-time study. **Number of Courses:** 34

CODE	SIMS CODE	TITLE		EFFECTIVE DATE	UNITS	HOURS		PREREQUISITE(S)	COREQUISITE(S)
						SCHEDULED	NOMINAL		
BMGE1150B	674690	Business for IT Professionals		2015-03-19	1	45	45	None	None
CEIO1058B	676786	Systems I: Hardware Components and Set Up		2020-03-19	1	45	45	None	None
COMM1155	668286	Applied Writing Skills		2009-01-01	1	45	45	None	None
DATA1024	668529	Introduction to SQL		2013-05-23	1	45	45	None	None
DATA1025	668530	Intermediate SQL		2013-05-23	1	45	45	DATA1024	None
DATA1028	668656	Database Design		2014-05-29	1	45	45	None	None
MULT1083	668304	Fundamentals of Web Design		2013-05-23	1	45	45	None	None
MULT1170	674389	Responsive Web Design		2014-05-29	1	45	45	MULT1083	None
NCRC1157D	675798	Introduction to Networks		2017-06-02	2	90	90	None	None
OSSE1060C	675809	Microsoft® Client Operating Systems		2018-06-01	2	90	90	None	None
PERS1065D	675789	Interpersonal Communication		2018-03-22	1	45	45	None	None
PERS1070D	675738	Employment Strategies		2018-03-22	1	45	45	None	None
PERS1228B	674503	Orientation to Community Service		2015-03-19	0	7	7	None	None
PROG1017G	675359	Introduction to Programming		2016-05-27	2	90	90	None	None
PROG1024I	676138	Advanced Topics - Web Dev		2019-06-01	2	90	90	PROG1179I PROG1025F	None
PROG1025F	676134	Server Side Web Dev - ASP.Net		2018-06-01	3	135	135	DATA1025 *PROG1121J (PROG1264) MULT1084 (*MULT1170)	None
PROG1090J	675109	Intermediate Java		2016-05-27	2	90	90	*PROG1311B (PROG1261I)	None
PROG1121J	675078	Database Programming		2016-05-26	2	90	90	PROG1017G	None
PROG1128	668183	JavaScript Programming		2013-06-01	1	45	45	MULT1083	None
PROG1179I	676625	N-tier Development		2020-03-19	2	90	90	DATA1025 SYST1017 PROG1311B PROG1121J	None
PROG1189	669263	Comprehensive Development Project		2009-07-01	4	90	180	None	None
PROG1191	668503	PHP		2015-05-28	2	90	90	MULT1084 (*MULT1170) DATA1025	None
PROG1192	668644	Practicum: IT		2014-05-29	2	180	180	None	None
PROG1246D	675084	Alternative Web Technologies		2016-05-26	1	45	45	MULT1084 (*MULT1170) DATA1025 PROG1311B	None
PROG1265E	676626	Enterprise Applications – Java		2020-03-19	2	90	90	*PROG1090J (PROG1303)	None
PROG1288	674111	Hybrid Mobile Development		2014-06-01	1	45	45	MULT1170 PROG1128	None
PROG1305G	676401	Android Programming		2020-03-19	1	45	45	*PROG1090J (PROG1303)	None

Program Title: Information Technology: Web and Mobile Application Development						Code: ITDI			
Duration: The requirements for this diploma program may be achieved within two academic years of full-time study.						Number of Courses: 34			
CODE	SIMS CODE	TITLE		EFFECTIVE DATE	UNITS	HOURS		PREREQUISITE(S)	COREQUISITE(S)
						SCHEDULED	NOMINAL		
<u>PROG1311B</u>	675360	Object Oriented Programming		2017-03-23	2	90	90	<u>PROG1017G</u>	None
<u>PROG1315B</u>	676139	iOS Application Development		2019-06-01	2	90	90	None	None
<u>PROG1317A</u>	676143	Advanced JavaScript		2019-06-01	1	45	45	<u>MULT1170</u> <u>PROG1128</u> <u>PROG1311B</u>	None
<u>PROJ1029</u>	668360	Project Management		2015-05-28	1	45	45	None	None
<u>SECU1221F</u>	675806	Work Safely		2018-06-01	0	15	15	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
Total number of hours:						2272	2362		

PROGRAM SPECIFIC ELECTIVE

REQUIRED CREDITS: 1

Program Title: Information Technology: Web and Mobile Application Development							Code: ITDI		
Duration: The requirements for this diploma program may be achieved within two academic years of full-time study.							Number of Courses: 2		
CODE	SIMS CODE	TITLE		EFFECTIVE DATE	UNITS	HOURS		PREREQUISITE(S)	COREQUISITE(S)
						SCHEDULED	NOMINAL		
<u>MATH1183</u>	668579	Computer Math and Statistics		2006-07-01	1	45	45	None	None
<u>MULT1171B</u>	676142	Digital Imaging for Web Design		2019-06-01	1	45	45	<u>MULT1083</u>	None

* Prerequisite or associated course selected for this program

TOTAL REQUIRED CREDITS: 51

Delivery Sequence

* Specific Electives

Default

Term Fall 2020 1209 - Total required elective credits (0)

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
CEIO1058B	676786	Systems I: Hardware Components and Set Up	2020-03-19	1	45	45	None	None
COMM1155	668286	Applied Writing Skills	2009-01-01	1	45	45	None	None
MULT1083	668304	Fundamentals of Web Design	2013-05-23	1	45	45	None	None
NCRC1157D	675798	Introduction to Networks	2017-06-02	2	90	90	None	None
OSSE1060C	675809	Microsoft® Client Operating Systems	2018-06-01	2	90	90	None	None
PERS1065D	675789	Interpersonal Communication	2018-03-22	1	45	45	None	None
PERS1228B	674503	Orientation to Community Service	2015-03-19	0	7	7	None	None
PROG1017G	675359	Introduction to Programming	2016-05-27	2	90	90	None	None
SECU1221F	675806	Work Safely	2018-06-01	0	15	15	None	None

Term Winter 2021 1211 - Total required elective credits (1)

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
BMGE1150B	674690	Business for IT Professionals	2015-03-19	1	45	45	None	None
DATA1024	668529	Introduction to SQL	2013-05-23	1	45	45	None	None
DATA1025	668530	Intermediate SQL	2013-05-23	1	45	45	DATA1024	None
DATA1028	668656	Database Design	2014-05-29	1	45	45	None	None

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<u>* MATH1183</u>	668579	Computer Math and Statistics	2006-07-01	1	45	45	None	None
<u>MULT1170</u>	674389	Responsive Web Design	2014-05-29	1	45	45	<u>MULT1083</u>	None
<u>* MULT1171B</u>	676142	Digital Imaging for Web Design	2019-06-01	1	45	45	<u>MULT1083</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

Details: The elective credit requirement is obtained from either MULT1171 or MATH1183.

Term Spring 2021 1214 - Total required elective credits (0)

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<u>PROG1121J</u>	675078	Database Programming	2016-05-26	2	90	90	<u>PROG1017G</u>	None
<u>PROG1288</u>	674111	Hybrid Mobile Development	2014-06-01	1	45	45	<u>MULT1170</u> <u>PROG1128</u>	None
<u>SYST1017</u>	668532	Object Oriented Analysis and Design	2014-05-29	2	90	90	None	None

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

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<u>PERS1070D</u>	675738	Employment Strategies	2018-03-22	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>*PROG1121J</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>PROG1121J</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
<u>PROG1317A</u>	676143	Advanced JavaScript	2019-06-01	1	45	45	<u>MULT1170</u> <u>PROG1128</u> <u>PROG1311B</u>	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>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

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<u>PROG1315B</u>	676139	iOS Application Development	2019-06-01	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>PROG1189</u>	669263	Comprehensive Development Project	2009-07-01	4	90	180	None	None
<u>PROG1192</u>	668644	Practicum: IT	2014-05-29	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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