

PROGRAM STRUCTURE

INFORMATION TECHNOLOGY: GAMING EXPERIENCE DEVELOPMENT ITAP

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
- Systems Analysis and Design
- Written Communication Techniques

CURRICULUM CHART

COMPULSORY COURSES NUMBER OF CREDITS: 50 Program Title: Information Technology: Gaming Experience Development Code: ITAP **Duration:** 2 years **Number of Courses: 34** CODE SIMS TITLE **EFFECTIVE** UNITS **HOURS** PREREQUISITE(S) | COREQUISITE(S) CODE DATE **SCHEDULED** NOMINAL BMGE1126 673013 2011-06-25 45 45 Social Responsibility None None 1 Business for IT **BMGE1150B** 674690 2015-03-19 1 45 45 None None Professionals Systems I: Hardware CEIO1058B 676786 2020-03-19 1 45 45 None None Components and Set Up Technical Writing and COMM1000 668499 2013-05-23 1 45 45 None None Research COMM1155 668286 Applied Writing Skills 2009-01-01 45 1 45 None None 668529 Introduction to SQL 45 45 **DATA1024** 2013-05-23 1 None None 45 **DATA1025** 668530 Intermediate SQL 2013-05-23 1 45 **DATA1024** None 668656 2014-05-29 45 45 **DATA1028** Database Design 1 None None Applied Mathematics for 2011-01-01 673245 2 MATH1235 90 90 None None Information Technology Math and Statistics for MATH1236 673212 2011-06-25 1 45 45 MATH1235 None Applied Programming Fundamentals of Web MULT1083 668304 2013-05-23 1 45 45 None None Design 674389 MULT1170 Responsive Web Design 2014-05-29 45 45 MULT1083 1 None NCRC1157D 675798 Introduction to Networks 2017-06-02 2 90 90 None None Microsoft® Client Operating OSSE1060C 675809 2018-06-01 2 90 90 None None Systems *CEIO1058B OSSE1069B 676230 Introduction to the Linux CLI 2019-06-01 1 45 45 None (CEIO1048) Interpersonal PERS1065D 675789 2018-03-22 1 45 45 None None Communication PERS1070D 675738 **Employment Strategies** 2018-03-22 1 45 45 None None Orientation to Community PERS1228B 674503 2015-03-19 0 7 7 None None Service DATA1025 PROG1121 Server Side Web Dev -(<u>*PROG1264</u>) PROG1025F 676134 2018-06-01 3 135 135 None ASP.Net MULT1084 (*MULT1170) PROG1311A PROG1090J 675109 2016-05-27 2 Intermediate Java 90 90 None (*PROG1261) PROG1093 668355 Alternative Solutions 2009-07-01 1 45 45 None None PROG1128 668183 JavaScript Programming 2013-06-01 1 45 45 MULT1083 None Comprehensive PROG1189 669263 2009-07-01 4 90 180 None None **Development Project** Fundamentals of C++ PROG1260 673131 2013-05-23 2 90 90 None None Programming **Object Orientated** PROG1261 673211 2011-09-03 2 90 90 PROG1260 None Programming in C++ Data Structures and PROG1262 673213 2011-09-03 2 90 90 PROG1261 None Automation using C++ PROG1264 673219 **Database Programming** 2011-09-03 2 90 90 None None *PROG1090J Enterprise Applications -PROG1265E 676626 2020-03-19 2 90 90 None Java (PROG1303) PROG1266 673236 Game Development in C++ 2014-05-29 2 90 90 OSSE1069B None Practicum: IT Gaming PROG1267 673247 2013-05-23 3 320 320 None None **Experience Development**

Program Title	e: Informa	tion Technology: Gaming Expe	erien	ce Developme	nt	Code: ITAP			
Duration: 2 y	ears						Nur	mber of Courses: 34	
CODE SIMS TITLE EFFECTI DATE				EFFECTIVE DATE	UNITS	HOU	RS	PREREQUISITE(S)	COREQUISITE(S)
				SCHEDULED	NOMINAL				
PROG1305G	676401	Android Programming	8	2020-03-19	1	45	45	*PROG1090J (PROG1303)	None
SECU1221F	675806	Work Safely		2018-06-01	0	15	15	None	None
<u>SYST1037</u>	674284	Software Engineering	6	2013-08-10	2	90	90	None	None
SYST1038	674285	Quality Assurance Testing	6	2013-08-10	1	45	45	None	None
		Total number of hours:	•	2367	2457				

^{*} Prerequisite or associated course selected for this program

TOTAL REQUIRED CREDITS: 50

Delivery Sequence

Gaming Experience Development Program Delivery Sequence

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

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<u>CEIO1058B</u>	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 2013-0		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
PROG1260	673131	Fundamentals of C++ Programming	2013-05-23	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 (0)

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
COMM1000	668499	Technical Writing and Research	2013-05-23	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	<u>DATA1024</u>	None
<u>MATH1235</u>	673245	Applied Mathematics for Information Technology	2011-01-01	2	90	90	None	None
MULT1170	674389	Responsive Web Design	2014-05-29	1	45	45	MULT1083	None

^{*} Specific Electives

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
OSSE1069B	676230	Introduction to the Linux CLI	2019-06-01	1	45	45	*CEIO1058B (CEIO1048)	None
PROG1128	668183	JavaScript Programming	2013-06-01	1	45	45	MULT1083	None
PROG1261	673211	Object Orientated Programming in C++	2011-09-03	2	90	90	PROG1260	None

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

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
PROG1090J	675109	Intermediate Java	2016-05-27	2	90	90	<u>PROG1311A</u> (<u>*PROG1261</u>)	None
PROG1093	668355	Alternative Solutions	2009-07-01	1	45	45	None	None
PROG1262	673213	Data Structures and Automation using C++	2011-09-03	2	90	90	PROG1261	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)
DATA1028	668656	Database Design	2014-05-29	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
PROG1264	673219	Database Programming	2011-09-03	2	90	90	None	None
PROG1265E	676626	Enterprise Applications – Java	2020-03-19	2	90	90	90 <u>*PROG1090J</u> (<u>PROG1303</u>)	None
PROG1266	673236	Game Development in C++	2014-05-29	2	90	90	<u>OSSE1069B</u>	None
SYST1037	674284	Software Engineering	2013-08-10	2	90	90	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)
BMGE1126	673013	Social Responsibility	2011-06-25	1	45	45	None	None
BMGE1150B	674690	Business for IT Professionals	2015-03-19	1	45	45	None	None
MATH1236	673212	Math and Statistics for Applied Programming	2011-06-25	1	45	45	<u>MATH1235</u>	None
PROG1025F	676134	Server Side Web Dev - ASP.Net	2018-06-01	3	135	135	DATA1025 PROG1121 (*PROG1264) MULT1084 (*MULT1170)	None
PROG1189	669263	Comprehensive Development Project	2009-07-01	4	90	180	None	None
PROG1305G	676401	Android Programming	2020-03-19	1	45	45	*PROG1090J (PROG1303)	None
SYST1038	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)
PROG1267	673247	Practicum: IT Gaming Experience Development	2013-05-23	3	320	320	None	None

UNSCHEDULED ELECTIVES

CODE	SIMS CODE	TITLE	EEEECTIVE DATE	CDEDITS	SCHEDIII ED HOLIBS	NOMINAL HOURS	DDEDECHISITE/S)	CODEOUISITE/S)
CODE	SIMP CODE		EFFECTIVE DATE	CKEDII 2	SCHEDULED HOURS	NOWINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)