

PROGRAM STRUCTURE

INFORMATION TECHNOLOGY: GAMING EXPERIENCE DEVELOPMENT ITAP

2021 - 2023

AREA OF STUDY

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

CURRICULUM CHART

Enterprise Applications -

Java

Game Development in C++

Practicum: IT Gaming

Experience Development

2020-03-19

2014-05-29

2013-05-23

2

2

3

90

90

320

90

90

320

PROG1265E

PROG1266

PROG1267

676626

673236

673247

(PROG1311A)

*PROG1090J

(PROG1303)

OSSE1069B

None

None

None

None

COMPULSORY COURSES NUMBER OF CREDITS: 48 Program Title: Information Technology: Gaming Experience Development Code: ITAP **Duration:** 2 years **Number of Courses: 35** 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 **BMGE1150C** 677018 2021-06-01 1 45 45 None None Professionals Systems I: Hardware **CEIO1058C** 677061 2021-03-18 1 45 45 None None Components and Set Up Introduction to Development PROG1017 COMC1000C 677124 2021-03-20 1 45 45 None Tools (*PROG1260) Technical Writing and COMM1000E 677067 2021-03-18 1 45 45 None None Research COMM1155 668286 Applied Writing Skills 2009-01-01 1 45 45 None None 668529 Introduction to SQL 2013-05-23 45 45 **DATA1024** 1 None None **DATA1025** 668530 Intermediate SQL 2013-05-23 1 45 45 **DATA1024** None 45 45 **DATA1028** 668656 **Database Design** 2014-05-29 1 None None Computer Math and MATH1183B 677076 2021-03-18 1 45 45 None None Statistics Fundamentals of Web MULT1083 668304 2013-05-23 1 45 45 None None Design 674389 Responsive Web Design 2014-05-29 MULT1170 45 45 MULT1083 1 None *CEIO1058C OSSE1069B 676230 Introduction to the Linux CLI 2019-06-01 45 1 45 None (CEIO1048) Interpersonal PERS1065E 677028 2021-06-01 1 45 45 None None Communication PERS1070E 677031 **Employment Strategies** 2021-06-01 1 45 45 None None Orientation to Community PERS1228C 677066 2021-06-01 7 7 0 None None Service DATA1025 PROG1121 Server Side Web Dev -(*PROG1264B) PROG1025F 676134 2018-06-01 135 3 135 None ASP.Net MULT1084 (*MULT1170) PROG1311A PROG1090J 675109 Intermediate Java 2016-05-27 2 90 90 None (*PROG1261) 668355 Alternative Solutions 2009-07-01 1 45 45 PROG1093 None None 668183 JavaScript Programming 2013-06-01 45 **PROG1128** 1 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** 2 PROG1261 673211 2011-09-03 90 90 PROG1260 None Programming in C++ Data Structures and PROG1262 673213 2011-09-03 2 90 90 PROG1261 None Automation using C++ DATA1024 677079 2021-03-18 PROG1264B **Database Programming** 2 90 90 *PROG1261 None

Program Title		tion Technology: Gaming Expe	erien	ce Developme	nt	Code: ITAP Number of Courses: 35				
CODE CODE	SIMS CODE	TITLE		EFFECTIVE DATE	UNITS	нои			COREQUISITE(S)	
						SCHEDULED	NOMINAL		•	
PROG1305G	676401	Android Programming	6	2020-03-19	1	45	45	*PROG1090J (PROG1303)	None	
PROG1317B	677088	Advanced JavaScript	6	2021-03-18	1	45	45	MULT1170 PROG1128 PROG1311A (*PROG1261)	None	
PROG1321B	677091	Networking for Programmers	6	2021-03-19	1	45	45	<u>PROG1017</u> (<u>*PROG1260</u>)	None	
SECU1221G	677064	Work Safely	0	2021-06-01	0	15	15	None	None	
SYST1033	672878	User Interface Design	6	2011-09-03	1	45	45	None	None	
SYST1037	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:		2277	2367					

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

TOTAL REQUIRED CREDITS: 48

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)
COMC1000C	677124	Introduction to Development Tools	2021-03-20	1	45	45		PROG1017 (*PROG1260)
COMM1155	668286	Applied Writing Skills	2009-01-01	1	45	45	None	None
DATA1028	668656	Database Design	2014-05-29	1	45	45	None	None
<u>MATH1183B</u>	677076	Computer Math and Statistics	2021-03-18	1	45	45	None	None
MULT1083	668304	Fundamentals of Web Design	2013-05-23	1	45	45	None	None
<u>MULT1170</u>	674389	Responsive Web Design	2014-05-29	1	45	45	<u>MULT1083</u>	None
PERS1065E	677028	Interpersonal Communication	2021-06-01	1	45	45	None	None
PROG1260	673131	Fundamentals of C++ Programming	2013-05-23	2	90	90	None	None
SECU1221G	677064	Work Safely	2021-06-01	0	15	15	None	None
SYST1033	672878	User Interface Design	2011-09-03	1	45	45	None	None

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

Terrir willter 2	erin Willer 2022 1221 - Total required elective credits (v)										
CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)			
CEIO1058C	677061	Systems I: Hardware Components and Set Up	2021-03-18	1	45	45	None	None			

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
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
OSSE1069B	676230	Introduction to the Linux CLI	2019-06-01	1	45	45	*CEIO1058C (CEIO1048)	None
PROG1128	668183	JavaScript Programming	2013-06-01	1	45	45	<u>MULT1083</u>	None
PROG1261	673211	Object Orientated Programming in C++	2011-09-03	2	90	90	PROG1260	None
<u>SYST1037</u>	674284	Software Engineering	2013-08-10	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)
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
PROG1317B	677088	Advanced JavaScript	2021-03-18	1	45	45	MULT1170 PROG1128 PROG1311A (*PROG1261)	None
PROG1321B	677091	Networking for Programmers	2021-03-19	1	45	45	<u>PROG1017</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)
PERS1070E	677031	Employment Strategies	2021-06-01	1	45	45	None	None
PERS1228C	677066	Orientation to Community Service	2021-06-01	0	7	7	None	None
PROG1025F	676134	Server Side Web Dev - ASP.Net	2018-06-01	3	135	135	DATA1025 PROG1121 (*PROG1264B) MULT1084 (*MULT1170)	None
PROG1090J	675109	Intermediate Java	2016-05-27	2	90	90	<u>PROG1311A</u> (<u>*PROG1261</u>)	None
PROG1264B	677079	Database Programming	2021-03-18	2	90	90	<u>DATA1024</u> * <u>PROG1261</u> (<u>PROG1311A</u>)	None
PROG1266	673236	Game Development in C++	2014-05-29	2	90	90	<u>OSSE1069B</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)
BMGE1126	673013	Social Responsibility	2011-06-25	1	45	45	None	None
BMGE1150C	677018	Business for IT Professionals	2021-06-01	1	45	45	None	None
COMM1000E	677067	Technical Writing and Research	2021-03-18	1	45	45	None	None

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
PROG1189	669263	Comprehensive Development Project	2009-07-01	4	90	180	None	None
PROG1265E	676626	Enterprise Applications – Java	2020-03-19	2	90	90	*PROG1090J (PROG1303)	None
PROG1305G	676401	Android Programming	2020-03-19	1	45	45	*PROG1090J (PROG1303)	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)
PROG1267	673247	Practicum: IT Gaming Experience Development	2013-05-23	3	320	320	None	None

UNSCHEDULED ELECTIVES

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