



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

COMPULSORY COURSES

NUMBER OF CREDITS: 48

Program Title: Information Technology: Gaming Experience Development						Code: ITAP			
Duration: 2 years						Number of Courses: 35			
CODE	SIMS CODE	TITLE		EFFECTIVE DATE	UNITS	HOURS		PREREQUISITE(S)	COREQUISITE(S)
						SCHEDULED	NOMINAL		
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
CEIO1058C	677061	Systems I: Hardware Components and Set Up		2021-03-18	1	45	45	None	None
COMC1000C	677124	Introduction to Development Tools		2021-03-20	1	45	45	None	PROG1017 (* PROG1260)
COMM1000E	677067	Technical Writing and Research		2021-03-18	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
MATH1183B	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
MULT1170	674389	Responsive Web Design		2014-05-29	1	45	45	MULT1083	None
OSSE1069B	676230	Introduction to the Linux CLI		2019-06-01	1	45	45	* CEIO1058C (CEIO1048)	None
PERS1065E	677028	Interpersonal Communication		2021-06-01	1	45	45	None	None
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	PROG1311A (* PROG1261)	None
PROG1093	668355	Alternative Solutions		2009-07-01	1	45	45	None	None
PROG1128	668183	JavaScript Programming		2013-06-01	1	45	45	MULT1083	None
PROG1189	669263	Comprehensive Development Project		2009-07-01	4	90	180	None	None
PROG1260	673131	Fundamentals of C++ Programming		2013-05-23	2	90	90	None	None
PROG1261	673211	Object Orientated Programming in C++		2011-09-03	2	90	90	PROG1260	None
PROG1262	673213	Data Structures and Automation using C++		2011-09-03	2	90	90	PROG1261	None
PROG1264B	677079	Database Programming		2021-03-18	2	90	90	DATA1024 * PROG1261 (PROG1311A)	None
PROG1265E	676626	Enterprise Applications – Java		2020-03-19	2	90	90	* PROG1090J (PROG1303)	None
PROG1266	673236	Game Development in C++		2014-05-29	2	90	90	OSSE1069B	None
PROG1267	673247	Practicum: IT Gaming Experience Development		2013-05-23	3	320	320	None	None

Program Title: Information Technology: Gaming Experience Development						Code: ITAP		
Duration: 2 years						Number of Courses: 35		
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					SCHEDULED	NOMINAL		
<u>PROG1305G</u>	676401	Android Programming	 2020-03-19	1	45	45	* <u>PROG1090J</u> (<u>PROG1303</u>)	None
<u>PROG1317B</u>	677088	Advanced JavaScript	 2021-03-18	1	45	45	<u>MULT1170</u> <u>PROG1128</u> <u>PROG1311A</u> (* <u>PROG1261</u>)	None
<u>PROG1321B</u>	677091	Networking for Programmers	 2021-03-19	1	45	45	<u>PROG1017</u> (* <u>PROG1260</u>)	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
<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
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)
<u>COMC1000C</u>	677124	Introduction to Development Tools	2021-03-20	1	45	45		<u>PROG1017</u> (* <u>PROG1260</u>)
<u>COMM1155</u>	668286	Applied Writing Skills	2009-01-01	1	45	45	None	None
<u>DATA1028</u>	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
<u>MULT1083</u>	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
<u>PERS1065E</u>	677028	Interpersonal Communication	2021-06-01	1	45	45	None	None
<u>PROG1260</u>	673131	Fundamentals of C++ Programming	2013-05-23	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

CODE	SIMS CODE	TITLE	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)
<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>OSSE1069B</u>	676230	Introduction to the Linux CLI	2019-06-01	1	45	45	<u>*CEIO1058C</u> (<u>CEIO1048</u>)	None
<u>PROG1128</u>	668183	JavaScript Programming	2013-06-01	1	45	45	<u>MULT1083</u>	None
<u>PROG1261</u>	673211	Object Orientated Programming in C++	2011-09-03	2	90	90	<u>PROG1260</u>	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)
<u>PROG1093</u>	668355	Alternative Solutions	2009-07-01	1	45	45	None	None
<u>PROG1262</u>	673213	Data Structures and Automation using C++	2011-09-03	2	90	90	<u>PROG1261</u>	None
<u>PROG1317B</u>	677088	Advanced JavaScript	2021-03-18	1	45	45	<u>MULT1170</u> <u>PROG1128</u> <u>PROG1311A</u> (* <u>PROG1261</u>)	None
<u>PROG1321B</u>	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)
<u>PERS1070E</u>	677031	Employment Strategies	2021-06-01	1	45	45	None	None
<u>PERS1228C</u>	677066	Orientation to Community Service	2021-06-01	0	7	7	None	None
<u>PROG1025F</u>	676134	Server Side Web Dev - ASP.Net	2018-06-01	3	135	135	<u>DATA1025</u> <u>PROG1121</u> (* <u>PROG1264B</u>) <u>MULT1084</u> (* <u>MULT1170</u>)	None
<u>PROG1090J</u>	675109	Intermediate Java	2016-05-27	2	90	90	<u>PROG1311A</u> (* <u>PROG1261</u>)	None
<u>PROG1264B</u>	677079	Database Programming	2021-03-18	2	90	90	<u>DATA1024</u> <u>*PROG1261</u> (<u>PROG1311A</u>)	None
<u>PROG1266</u>	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)
<u>BMGE1126</u>	673013	Social Responsibility	2011-06-25	1	45	45	None	None
<u>BMGE1150C</u>	677018	Business for IT Professionals	2021-06-01	1	45	45	None	None
<u>COMM1000E</u>	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)
<u>PROG1189</u>	669263	Comprehensive Development Project	2009-07-01	4	90	180	None	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

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>PROG1267</u>	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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