NBCC

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

Program Title: Information Technology: Gaming Experience Development   **Code:** ITAP

Duration: 2 years   **Number of Courses:** 34

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
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
COMM1000	668499	Technical Writing and Research		2013-05-23	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
MATH1235	673245	Applied Mathematics for Information Technology		2011-01-01	2	90	90	None	None
MATH1236	673212	Math and Statistics for Applied Programming		2011-06-25	1	45	45	MATH1235	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
OSSE1069B	676230	Introduction to the Linux CLI		2019-06-01	1	45	45	*CEIO1058B (CEIO1048)	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
PROG1025F	676134	Server Side Web Dev - ASP.Net		2018-06-01	3	135	135	DATA1025 PROG1121 (*PROG1264) 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
PROG1264	673219	Database Programming		2011-09-03	2	90	90	None	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

CODE	SIMS CODE	TITLE		EFFECTIVE DATE	UNITS	HOURS		PREREQUISITE(S)	COREQUISITE(S)
						SCHEDULED	NOMINAL		
PROG1305G	676401	Android Programming		2020-03-19	1	45	45	*PROG1090J (PROG1303)	None
SECU1221F	675806	Work Safely		2018-06-01	0	15	15	None	None
SYST1037	674284	Software Engineering		2013-08-10	2	90	90	None	None
SYST1038	674285	Quality Assurance Testing		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

* Specific Electives

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)
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
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	DATA1024	None
MATH1235	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

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	PROG1311A (*PROG1261)	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	*PROG1090J (PROG1303)	None
PROG1266	673236	Game Development in C++	2014-05-29	2	90	90	OSSE1069B	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	MATH1235	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	EFFECTIVE DATE	CREDITS	SCHEDULED HOURS	NOMINAL HOURS	PREREQUISITE(S)	COREQUISITE(S)