School of STEAM:

Computer Science B.S. & MBA

Course sequence may be altered with advisor approval. | For students entering Fall 2026

Table 1 – First Year Fall

Course	Title	credits
CPSC 121 / CORE 9	CPSC 121 / CORE 9 Natural Science CORE	4
CPSC 140/L	Intro. to Information Technology	3
CORE 1	CORE I / Building the Foundation	3
CORE 3	Research Writing (WRIT 102)	3
CLTR 1 / CORE 8	Quantitative Reasoning (MATH 121 (4) or STAT 205 (3), see below)	4
CORE 103	Community Enrichment	0
	Total:	**17**

Table 2 – First Year Spring

Course	Title	credits
CPSC 122/L	Intermediate Programming	4
CSA 130	Cybersecurity Foundations	3
MATH 130	Discrete Math	3
CLTR 2	Collateral 2 (MATH 122 (4) or BUSA 321 (3))	4
CORE 7	Literature	3
CORE 104	Community Enrichment	0
	Total:	**17**

Table 3 – Second Year Fall

Course	Title	credits
CPSC 221/L	Data Structures	4
CLTR 3	Collateral 3 (MATH 322/BUSA 322)	3
ECON 101 / CORE 4	Principles of Economics I / CORE II Civic Responsibility / MBA pre-req	3
CORE 2	Intro. to Franciscan Theology (FTAE 105)	3
CORE 6	Social Science (CSA 101 recommended)	3
	Total:	**16**

Table 4 – Second Year Spring

Course	Title	credits
CPSC 280	Algorithmic Programming	1
TRACK 1	Elective 1	3
TRACK 2	Elective 1	3
CORE 10	Language & Culture	3
CORE 11	Philosophy	3
ACCT 101	Financial Accounting / MBA pre-req	3
	Total:	**16**

Table 5 – Third Year Fall

Course	Title	credits
TRACK 1	Elective 2	3
TRACK 2	Elective 2	3
CORE 5	History	3
CORE 13	Ethics	3
CORE 15	Applied Learning	3
EXAM301	Writing Competency Exam	0
	Total:	**15**

Table 6 – Third Year Spring

Course	Title	credits
TRACK 1	Elective 3	3
TRACK 2	Elective 3	3
CORE 12	Fine Arts & Creative Expression	3
Statistics	BUSA 311, STAT 205, or MATH 215 / MBA pre-req	3
FREE	Free Elective	3
	Total:	**15**

Table 7 – Fourth Year Fall

Course	Title	credits
CPSC 492	Computer Science Seminar	1
CORE 14	CORE III Junior/Senior Capstone	3
MBA 500	Managing People & Organizations	3
FREE	Free Elective	3
FREE	Free Elective	2
	Total:	**12**

Table 8 – Fourth Year Spring

Course	Title	credits
MBA 501	Financial Decision Making	3
MBA 507	Entrepreneurship	3
CSA 219	Cyber Security Ethics (recommended)	3
FREE	Free Elective	3
	Total:	**12**

Notes:

Total credits: 120

CLTR Set: (choose one set)

Mathematics: MATH 121, MATH 122, MATH 322

Business: BUSA 321, BUSA 322, STAT 205

Tracks: (complete 2; 18 credits)

Information Technology: CPSC 231 Intro. to Networking, CPSC 322 Intro. to System Administration, CPSC 422 System Administration

Game Development (double track): CPSC 170 Introduction to Games, CPSC 270 Content and Systems Design, CPSC 370 Unity I: Working with Unity, CPSC 371 C# Programming, CPSC 470 Unity II: Advanced Unity Programming, CPSC 471 Capstone Project: Building a Game

Machine Learning: CPSC 360 Machine Learning I, CPSC 361 Machine Learning II, CPSC 460 Deep Learning

Programming & Languages: CPSC 408 Software Craftsmanship, CPSC 420 Programming Languages, CPSC 428 Advanced Programming Topics

Software Development: CPSC 222 Server Side Programming, CPSC 409 Web Application Architectures, CPSC 410 Software Engineering