BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND MATHEMATICS

FRESHMAN – FALL SEMESTER

CIS 1144	Computer Science I	4
MAT 1195	Calculus I	5
UNI 1111	University Seminar	1
CIS 1033	Foundations of Computer Science	3
	Gen Ed or Graduation Requirement	3
Total hours	....	*16*

FRESHMAN – SPRING SEMESTER

CIS 1154	Computer Science II	4
MAT 2255	Calculus II	5
MAT 1173	Discrete Mathematics	3
UNI 1121	Critical Thinking	1
	Gen Ed or Graduation Requirement	3
Total hours	....	*16*

SOPHOMORE – FALL SEMESTER

CIS 1163	Introduction to Cybersecurity	3
CIS 2213	Systems Analysis and Design	3
MAT 2263	Calculus III	3
ECO 2023	Microeconomics	3
	Gen Ed or CS/MAT elective	3
	Gen Ed or Graduation Requirement	2
Total hours	....	*17*

SOPHOMORE – SPRING SEMESTER

CIS 2013	Networks	3
CIS 3333	Algorithms and Data Structures	3
MAT 3332	Symbolic Logic and Set Theory	2
LDR 4043	Ethics and Professional Development	3
	Gen Ed science with lab	4
	Gen Ed or Graduation Requirement or MAT elective	2
Total hours	....	*17*

JUNIOR – FALL SEMESTER

CIS 4433	Numerical Methods	3
MAT 3323	Linear Algebra	3
MAT 3343	Probability and Statistics	3
PHY 2215	University Physics	5
	Gen Ed or CS/MAT elective	3
Total hours	....	*17*

JUNIOR – SPRING SEMESTER

CIS 3323	Database Management	3
CIS 3413	Machine Organization	3
	Gen Ed or CS/MAT elective	3
	Gen Ed or CS/MAT elective	3
	Gen Ed or CS/MAT elective	3
	Gen Ed or Grad Req or MAT elective	2
Total hours	....	*17*

SENIOR – FALL SEMESTER

CIS 4462	Applied Software Engineering I	2
CIS 3423	Programming Languages	3
MAT 4663	Advanced Calculus	3
	Gen Ed or CS/MAT elective	3
	Gen Ed or CS/MAT elective	3
	Gen Ed or Grad Req or MAT elective	2
Total hours	....	*16*

SENIOR – SPRING SEMESTER

CIS 4472	Applied Software Engineering II	2
CIS 4423	Operating Systems	3
MAT 3313	Abstract Algebra	3
	Gen Ed or CS/MAT elective	3
	Gen Ed or CS/MAT elective	3
Total hours	....	*14*