

Cybersecurity Major with Artificial Intelligence Concentration for the Bachelor of Science Degree122

General Education Curriculum 55

Math Course for Major 3

MATH 1220 Elementary Probability and Statistics 3

Humanities Course for Major..... 3

BUSN 3502 Business Ethics..... 3

Balance of General Education Curriculum 49

Major Curriculum 49

Group A – Required Courses..... 49

Complete each of the following:

BUSN 1101 Introduction to Business 3

CYBR 1115 Introduction to Cybersecurity 3

CYBR 1121¹ Introduction to Operating Systems 3

CYBR 1211 Introduction to Computer Programming 3

CYBR 2212¹ Introduction to Secure Scripting 3

CYBR 2213 Database Programming..... 3

CYBR 2221¹ Introduction to Computer Networking 3CYBR 2222¹ Network Defense 3CYBR 2311¹ Computer and Systems Security 3

CYBR 2323 Secure Server Administration 3

CYBR 3071 Internship I 3

CYBR 3312¹ Principles of Cybersecurity 3CYBR 3321¹ The 3 C's: Cybercrime, Cyberlaw & Cyberethics 3

CYBR 4071 Internship II 3

CYBR 4541¹ Penetration Testing: Introduction to Penetration Testing..... 3

CYBR 4542 Incident Response and Contingency Planning 3

INDS 3611 Career Readiness: Cybersecurity..... 1

Group B – Business Elective (counted in General Education credits)..... 0

BUSN 3502 Business Ethics (3)

Concentration Curriculum – Artificial Intelligence (AI) 18

Group C – Required Concentration Courses..... 18

MATH 1320 College Algebra or higher..... 3

DATA 1552 Introduction to Data Analytics 3

DATA 2553 Data Structures and Algorithms..... 3

DATA 3554 Intro to Data Mining, Machine Learning & AI 3

DATA 3555 Artificial Intelligence Fundamentals for Cybersecurity 3

CYBR 4512 IT/Cybersecurity Audit and Compliance..... 3

¹ Center of Academic Excellence Aligned Course