



Cybersecurity and Computer Networks – 2 Year Plan

Associate in Applied Science
Advising Worksheet* 2017-2018

Prescribed Technical Program Total	61
General Education Total	15-16
Total Degree Credits	76-77

Fall Semester I

Prescribed Technical Program Requirements

CIS	128	Computer Hardware	3
CIS	147	Principles of Information Security	3
CIS	164	Networking Fundamentals I (Required)	4
CIS	212	Windows Operating System Client	3
CIS	230	Electronic Publishing	3

General Education Courses

Communications I

ENGL	110	College Composition I (Required)	3
Total Credits			19

Spring Semester II

Prescribed Technical Program Requirements

CIS	107	Linux Fundamentals	3
CIS	165	Networking Fundamentals II	4
CIS	216	Implementing a Windows Network Infrastructure	3
CIS	255	Computer and Network Security	3

General Education Courses

Business, Math, Science & Technology (Select one of the following)

CSCI	122	Beginning Visual Basic	3
CSCI	160	Computer Science I	4

Communications II (Select one course.)

COMM	110	Fundamentals of Public Speaking	3
ENGL	125	Introduction to Professional Writing	3
Total Credits			19-20

Fall Semester III

Prescribed Technical Program Requirements

CIS	204	Database Design and SQL	3
CIS	214	Implementing a Windows Active Directory Infrastructure	3
CIS	223	Linux System Administration	3
CIS	241	Digital Forensics Fundamentals	3
CIS	267	Intermediate Networking I	4

General Education Course

Business, Math, Science & Technology

MATH	210	Elementary Statistics ² (Recommended)	3
Total Credits			19

Spring Semester IV

Prescribed Technical Program Requirements

CIS	213	Implementing Windows Server Applications	3
CIS	226	Linux Network and Security Administration	3
CIS	268	Intermediate Networking II	4
CIS	269	Cybersecurity and Computer Networks Capstone <u>or</u>	3
or CIS	197/297	Cooperative Education/Internship ¹	3
CIS	282	Ethical Hacking and Network Defense	3

General Education Course

Arts & Humanities / Social & Behavioral Sciences

PHIL	220	Introduction to Logic (Recommended)	3
Total Credits			19

¹ CIS 197 or CIS 297 are repeatable for 1, 2, or 3 credits at a time.

² MATH 210 is recommended but MATH 146, MATH 165, MATH 166 or MATH 208 will also be accepted.

* This advising worksheet is unofficial and to be used for class planning purposes only. Please refer to the official catalog at <http://catalog.bismarckstate.edu> for the complete listing of college degree requirements.