



Cybersecurity and Computer Networks – 2 Year Plan

Associate in Applied Science
Advising Worksheet* 2018-2019

Prescribed Technical Program Total	60
General Education Total	16
Total Degree Credits	76

Fall Semester I

Prescribed Technical Program Requirements

CIS	105	Computer Spreadsheets	3
CIS	128	Computer Hardware	3
CIS	147	Principles of Information Security	3
CIS	212	Windows Operating System Client	3

General Education Courses

Business, Math, Science & Technology

CIS	164	Networking Fundamentals I (Required)	4
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Communications I

ENGL	110	College Composition I (Required)	3
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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	230	Electronic Publishing	3
CIS	255	Computer and Network Security	3

General Education Course

Communications II (Required - Select one course.)

COMM	110	Fundamentals of Public Speaking	
ENGL	120	College Composition II	3
ENGL	125	Introduction to Professional Writing	

Total Credits 19

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 (Recommended)	3
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Total Credits 19

Spring Semester IV

Prescribed Technical Program Requirements

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	
CIS	282	Ethical Hacking and Network Defense	3
CIS	185	Introduction to Programming	3

General Education Course

Arts & Humanities/Social & Behavioral Sciences

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

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

* 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.