



Cybersecurity and Computer Networks – 2 Year Plan
 Associate in Applied Science
 Advising Worksheet* 2019-2020

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|------------------------------------|--------------|
| Prescribed Technical Program Total | 44-48 |
| General Education Total | 16 |
| Total Degree Credits | 60-64 |

Fall Semester I

| | | | |
|--|-----|--------------------------------------|--------------|
| Prescribed Technical Program Requirements | | | |
| CIS | 128 | Computer Hardware | 3 |
| CIS | 147 | Principles of Information Security | 3 |
| CIS | 212 | Windows Operating System Client | 3 |
| General Education Courses | | | |
| <i>Business, Math, Science & Technology</i> | | | |
| CIS | 164 | Networking Fundamentals I (Required) | 3-4 |
| <i>Communications I</i> | | | |
| ENGL | 110 | College Composition I (required) | 3 |
| Total Credits | | | 15-16 |

Fall Semester III

| | | | |
|--|-----|--|--------------|
| Prescribed Technical Program Requirements | | | |
| CIS | 107 | Linux Fundamentals | 3 |
| CIS | 214 | Implementing a Windows Active Directory Infrastructure | 3 |
| CIS | 267 | Intermediate Networking I | 3-4 |
| CIS | 274 | Cybersecurity Operations | 3 |
| General Education Course | | | |
| <i>Business, Math, Science & Technology</i> | | | |
| MATH | 210 | Elementary Statistics (Required) | 3 |
| Total Credits | | | 15-16 |

Spring Semester II

| | | | |
|--|-----|---|--------------|
| Prescribed Technical Program Requirements | | | |
| CIS | 165 | Networking Fundamentals II | 3-4 |
| CIS | 185 | Introduction to Programming | 3 |
| CIS | 216 | Implementing a Windows Network Infrastructure | 3 |
| CIS | 255 | Computer and Network Security | 3 |
| General Education Course | | | |
| <i>Communications II (Required - Select one course.)</i> | | | |
| COMM | 110 | Fundamentals of Public Speaking | |
| ENGL | 120 | College Composition II | 3 |
| ENGL | 125 | Introduction to Professional Writing | |
| Total Credits | | | 15-16 |

Spring Semester IV

| | | | |
|--|---------|--|--------------|
| Prescribed Technical Program Requirements | | | |
| CIS | 223 | Linux System Administration | 3 |
| CIS | 268 | Intermediate Networking II | 3-4 |
| 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 |
| General Education Course | | | |
| <i>Arts & Humanities /Social & Behavioral Sciences</i> | | | |
| PHIL | 220 | Introduction to Logic (Recommended) | 3 |
| Total Credits | | | 15-16 |

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.