**Bachelor of Science in Cyber Security Administration from The University of Mary**

| AAS IT Cybersecurity Professional Program Requirements from Northland Community & Technical College | | |
|---|---|---|
| **Course Name** | **Semester Credit(s)** | **University of Mary Course** |
| CPTR 1132 Microcomputer Maintenance | 3 credits | CSC 125 Special Topics |
| CPTR 1136 Networking I | 4 credits | CSA 220 Computer Networking Essentials |
| CPTR 1148 Micro Operating Systems | 3 credits | CSA 110 Information Technology Essentials |
| ENG 1111 Composition I | 3 credits | ENG 111 Composition I |
| CPTR 1147 Networking II | 4 credits | CSA 222 Networking Essentials |
| CPTR 1171 Fund of Network Security | 3 credits | CSA 115 Intro to Cybersecurity |
| CPTR 2214 Network Operating System | 3 credits | CSA 330 Client/Server Operating Systems (Lower-Division Credit) |
| SPCH 1101 Intro Public Speaking | 3 credits | COM 110 Oral Communication |
| CPTR 1104 Intro to Computer Tech | 3 credits | CIS 101 Introduction to CIS |
| CPTR 2101 Ethical Hacking | 3 credits | CSA 345 Ethical Hacking (Lower-Division Credit) |
| CPTR 2121 Network Defense | 3 credits | CSA 225 Special Topics |
| CPTR 2231 Unix/Linux | 3 credits | CSA 107 Introduction to Linux |
| PHIL 1102 Intro to Ethics | 3 credits | PHI 208 Ethics |
| SOCI 1101 Intro to Sociology | 3 credits | SOC 107 General Sociology |
| CPTR 2241 Cybersecurity Analysis | 3 credits | CSA 225 Special Topics |
| CPTR 2249 Cybersecurity Policy | 3 credits | CSA 225 Special Topics |
| CPTR 2252 Micro Systems Project | 3 credits | CIS 225 Special topics |
| CRLT 2103 Job Seeking/Keeping | 1 credit | BUS 225 Special Topics |
| MATH 1110 College Algebra | 3 credits | MAT 103 College Algebra |
| ACCT 1124 Spreadsheet Concepts | 3 credits | BUS 201 Advanced Spreadsheets |
| **Transfer Credits (Max of 62)** | **60 credits** | |
| **The Following Courses to be Completed at the University of Mary** | | |
| FYE 322 Transition Seminar | 1 credit | |
| ENG 121 Composition II | 3 credits | |
| Art Elective | 3 credits | |
| POL 101 Responsible Citizenship | 3 credits | |
| Lab Science Elective | 4 credits | |
| CTH/THE 234 Benedict: Yesterday and Today | 3 credits | |
| BUS 380 Internship and Career Prep | 1 credit | |
| BUS 454 Project Management | 3 credits | |
| CSC 106 Application Software Concepts | 3 credits | |
| CSC 300 System Development I-Database | 3 credits | |
| CSA 360 Firewalls | 3 credits | |
| CSA 410 Active Directory Admin | 3 credits | |
| CSA 420 Computer Network Systems Security | 3 credits | |
| CSA 430 Cyber Defense | 3 credits | |
| CSA 452 Internship or Exp. Development | 4 credits | |
| CSA 460 Digital Forensics | 3 credits | |
| HUM 499 Senior Competency Testing | 0 Credits | |
| **Liberal Arts Elective to Reach 52 (300/400 Level)** | 18 credits | |
| **Total: 124 Semester Credits required for Graduation** | | |

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