# Assessment Plan

**Program:**     Cybersecurity and Computer Networks

**Degree:**      Associate in Applied Science

**Program Learning Outcomes:**
1. Students will understand and implement IP addressing within small, medium, and large networks.
2. Students will configure and troubleshoot networking equipment to support communication requirements.
3. Students will implement, manage, and maintain operating systems for computing and network devices.
4. Students will understand data and how it is stored, as well as the hardware/software used to access and process it.
5. Students will identify security-related threats and implement appropriate measures to protect networked devices from them.
6. Students will employ established best practices for securing the devices in a network infrastructure.
7. Students will understand key concepts and terminology relating to cybersecurity.

**Assessment Cycle:**

|  | AY 2017-2018 | AY 2018-2019 | AY 2019-2020 | AY 2020-2021 |
|---|---|---|---|---|
| **Outcome #1** | A<br>CIS 267 Fall 2017 | R | A<br>CIS 267 Fall 2019 | R |
| **Outcome #2** | R | A<br>CS 268 Spring 2019 | R | A<br>CS 268 Spring 2021 |
| **Outcome #3** | A<br>CIS 212 Fall 2017 | R | A<br>CIS 212 Fall 2019 | R |
| **Outcome #4** | R | A<br>CIS 128 Fall 2018<br>CIS 204 Fall 2018 | R | A<br>CIS 128 Fall 2020<br>CIS 204 Fall 2020 |
| **Outcome #5** | A<br>CIS 255 Spring 2018 | R | A<br>CIS 255 Spring 2020 | R |
| **Outcome #6** | R | A<br>CIS 255 Spring 2019 | R | A<br>CIS 255 Spring 2021 |
| **Outcome #7** | A<br>CIS 147 Fall 2017 | R | A<br>CIS 147 Fall 2019 | R |
| **IELO** | R | A<br>???? | R | A<br>???? |

A = Assessment evidence collected
R = Reflect on data, action plan devised, prep year

| | Semester Offered | PROGRAM LEARNING OUTCOMES | | | | | | | IELO |
| | | #1 | #2 | #3 | #4 | #5 | #6 | #7 | Problem Solving |
|---|---|---|---|---|---|---|---|---|---|
| CIS 105 | Fall/Spring | | | | X | | | | |
| CIS 128 | Fall/Spring | | | | X, A | | | | |
| CIS 147 | Fall | | | | | X | X | X, A | |
| CIS 164 | Fall/Spring | X | X | X | | | | | |
| CIS 212 | Fall | | | X, A | | | X | | |
| CIS 230 | Fall/Spring | | | | X | | | | |
| CIS 107 | Fall/Spring | | | X | | | | | |
| CIS 165 | Spring | X | X | X | | | | | |
| CIS 216 | Spring | | | X | | | X | | |
| CIS 255 | Spring | | | | | X, A | X, A | X | |
| CIS 204 | Fall | | | | X, A | | | | |
| CIS 214 | Fall | | | X | | | X | | |
| CIS 223 | Fall | | | X | | | X | | |
| CIS 241 | Fall | | | | X | X | X | X | |
| CIS 267 | Fall | X, A | X | X | | | X | | |
| CIS 213 | Spring | | | X | | | X | | |
| CIS 226 | Spring | | | X | | X | X | | |
| CIS 268 | Spring | X | X, A | X | | | X | | |
| CIS 269 or 197/297 | Spring | | | | | | | | |
| CIS 282 | Spring | | | | | X | X | X | |
| ENGL 110 | Fall/Spring | | | | | | | | |
| CSCI 122 or 160 | Fall/Spring | | | | X | | | | |
| COMM 110 or ENGL 125 | Fall/Spring | | | | | | | | |
| MATH 210 | Fall/Spring | | | | X | | | | |
| PHIL 220 | Fall/Spring | | | | X | | | | |

X = Material introduced, reinforced, and/or opportunity to practice

A = Assessment evidence collected (e.g., lab activity, exam, paper, assignment, etc.)