



CYBERSECURITY — ISTC 2080

A. Course Description

- **Credits:** 3.00
- **Lecture Hours/Week:** 2.00
- **Lab Hours/Week:** 1.00
- **OJT Hours/Week:** 0
- **Prerequisites:**
 - ISTC 2011: Network Systems III: Scaling Networks
 - ISTC 2065: Security II: Firewalls
- **Corequisites:** None
- **MnTC Goals:** None

The CCNA Cybersecurity Operations curriculum provides an introduction to the knowledge and skills needed for a Security Analyst working with a Security Operations Center team. It teaches core security skills needed for monitoring, detecting, investigating, analyzing and responding to security events, thus protecting systems and organizations from cybersecurity risks, threats and vulnerabilities.

B. Course Effective Dates: 1/31/19 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Apply for entry-level jobs as Associate Security Analyst and Incident Responder.
2. Apply knowledge and skills to monitor, detect, investigate, analyze and respond to security incidents.
3. Take the Cisco CCNA Cybersecurity Operations Certification exam.
4. Understand cybersecurity operations network principles, roles and responsibilities as well as the related technologies, tools, regulations and frameworks available.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

F. Learner Outcomes Assessment

As noted on course syllabus

G. Special Information

None noted