

**Network and System Security Analysis (T413) 2019-2020 PATHWAY**

| <b>Semester 1: Fall 2019, Winter 2020 (2019-01/2019-02)</b>    |   |                      |                 |
|--|---|----------------------|-----------------|
| <b>Course Code</b>   | <b>Course Title</b>   | <b>Pre-Requisite</b> | <b>Delivery</b> |
|  |   |                      | <b>Hrs/wk</b>   |
| COMP1154   | EQUIP.DEPLOY.INTERCON.&WIRING   |                      | 4               |
| COMP 4041  | Operating Systems Security 1  |                      | 3               |
| COMP 4043  | Data Governance for Privacy, Confidentiality, and Regulatory Compliance   |                      | 3               |
| COMP 4044  | Introduction to Cyberspace Security and Ethical Hacking                   |                      | 3               |
| COMP 4046  | Network and Computer Security Fundamentals                                |                      | 3               |
| COMP 4047  | ICT Competencies  |                      | 3               |
| <b>Total Hours</b>   |   |                      | <b>19</b>       |
| <b>Semester 2: Winter 2020, Spring 2020 (2019-02, 2019-03)</b> |   |                      |                 |
| <b>Course Code</b>   | <b>Course Title</b>   | <b>Pre-Requisite</b> | <b>Hrs/wk</b>   |
| COMP 4053  | Advanced Data Network Security  | COMP 1154            | 3               |
| COMP 4054  | Operating Systems Security 2  | COMP 4041            | 3               |
| COMP 4055  | Cryptography and Network Security   | COMP 4046            | 3               |
| COMP 4056  | Secure Network Architecture   | COMP 1154            | 3               |
| COMP 4057  | Adv. Ethical Hacking and Penetration Testing                              | COMP 4046            | 3               |
| COMP 4058  | Security Trends and Issues  | COMP 4044            | 3               |
| <b>Total Hours</b>   |   |                      | <b>18</b>       |
| <b>Semester 3: Spring 2020, Fall 2020 (2019-03, 2020-01)</b>   |   |                      |                 |
| <b>Course Code</b>   | <b>Course Title</b>   | <b>Pre-Requisite</b> | <b>Hrs/wk</b>   |
| COMP 4060  | Advanced Risk Analysis  | COMP 4058            | 3               |
| COMP 4061  | Contingency Planning and Disaster Recovery                                | COMP 4054            | 3               |
| COMP 4063  | Capstone Industry Project   |                      | 4               |
| COMP 4071  | Advanced Security Management and Auditing*                                | COMP 4056            | 3               |
| COMP 4073  | Advanced Firewall, IDS/IPS and Virtual Private Networks (VPNs) Technology | COMP 4053            | 3               |
| COMP 4074  | Securing Wireless and Mobile Networks Access                              |                      | 3               |
| <b>Total Hours</b>   |   |                      | <b>19</b>       |