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| **Information Technology – Cyber Security**  **18/19 Program Assessment Report YEAR 2** | | | | | | | |
|  | Use ethical hacking to perform penetration testing and perform digital forensics to collect information about Cyber incidents. | Compare and contrast common network security components and devices and their use throughout the IT infrastructure | Implement and administer SMB network security: identify and remediate threats and secure data and network communication. | Implement the concepts of confidentiality, availability and integrity in Information Assurance, including physical, software, devices, policies and people | Attain Cisco®, CompTIA®, EC-Council©, or VMware® certification. | **Comments** |
| **Course:** ITEC 1690 Network Security (Security+)  **Assessment:** Project  **Benchmark:** earn at least 70% or higher  **Section:** 901  **Faculty:** Mohamed Ghonimy  **Date:** End of Fall term |  |  |  | **86%**  **met benchmark**  **15 students** |  | **2016-17**: 0%  **2017-18: 79%**  **2018-19**: 86%  The assessment tool was changed from the final exam to the final project, because the final exam only covered only chapters in the second half of the semester. The project is 12 weeks and it is more comprehensive tool to assess students. |
| **Section:** 902  **Faculty:** Mohamed Ghonimy  **Date:** End of Fall term |  |  |  | **76%**  **met benchmark**  **16 students** |  | *This course was an evening course and students struggle with working full time then come to school. This is a rigorous course, because it prepare students for a certification exam.* |
| **Course:** ITEC 2420 Advanced Network Security  **Assessment:** Project  **Benchmark:** earn at least 70% or higher  **Section:** 900  **Faculty:** Mohamed Ghonimy  **Date:** End of Fall term |  | **95%**  **met benchmark**  **19 students** | **95%**  **met benchmark**  **19 students** |  |  | 2017-18:  ITEC-2410 was deactivated effective 2018-19 and replaced with ITEC2420 Advanced Network Security. Data will be collected Fall 2018.  2018-19: 95%  This is a second year class. (this is the first tile the course was offered) |
| **Course: ITEC 1430 Certified Ethical Hacking**  **Assessment: Project**  **Benchmark: 70%**  **Faculty: Mohamed Ghonimy**  **Date: Fall year 2** | **81% day section**  **met benchmark**  **16 students**  **75% evening section**  **met benchmark**  **8 students** |  | **81% day section**  **met benchmark**  **16 students**  **75% evening section**  **met benchmark**  **8 students** |  | **81% day section**  **met benchmark**  **16 students**  **75% evening section**  **met benchmark**  **8 students** | 2017-18: 88% day  2018-19: 81%  This project was done as a team assignment, only group of three students did poorly. Some measures to detect poor performance earlier will be created.  The book was changed in the first week of the class after students complained about the high price of the book. |
| **Course: ITEC 2450 Computer Hacking forensic Investigator**  **Assessment: Project**  **Benchmark: 70%**  **Faculty: Mohamed Ghonimy**  **Date: Spring year 2** | **100%**  **met benchmark**  **14 students** | **100%**  **met benchmark**  **14 students** |  |  | **100%**  **met benchmark**  **14 students** | 2017-18:  2018-19: 100%  This is a second year class. |
| **Course: ITEC 2500**  **Assessment: Capstone project**  **Benchmark: 70%**  **Faculty: Mohamed Ghonimy**  **Date: Spring year 2** | **100%**  **met benchmark**  **10 students** | **100%**  **met benchmark**  **10 students** | **100%**  **met benchmark**  **10 students** | **100%**  **met benchmark**  **10 students** |  | 2017-18: 100%  2018-19: 100% |
| **Course: ITEC 2702**  **Assessment: TestOut Assessment**  **Benchmark: 70%**  **Faculty: Mohamed Ghonimy**  **Date: Spring year 2** |  |  |  |  | **90%**  **met benchmark**  **11 students** | 2017-18: 89%  Used TestOut Assessment instead of COMPTIA certification exam  2018-19: 90% |

**Notes:**

So many changes took place in the Cyber program in the past two years (adding, replacing, and updating courses). Mohamed Ghonimy is still working on updating all assessment tools to reflect an accurate picture of students’ performance in each course. Most final exam assessment tools will be updated to the final project (where it is appropriate).