

Program & College-Wide Assessment Report North Central State College - Cyber Security  
Data from Academic Year Fall 2016 & Spring 2017

College-Wide Outcomes	College-Wide Outcome Data Gathering Details	College-Wide Outcome Results	Discussion of College-Wide Results/Improvement Items	Program Outcome	Program Outcomes Data Gathering Details	Program Outcome Results	Discussion of Program Results Improvement Items
Double click on the radio box <input type="checkbox"/> for the College-Wide outcome you are addressing in the second row.	<b>Please note:</b> Anywhere your syllabi display a college-wide outcome assessment, you must deploy the VALUE rubric for that outcome in the semester the course is taught.	What % of your students reached the benchmark? Please include the “N” - number of students within the sample.	Identify how results are used and shared. List any recommendations or action items. <b>*</b>	Please state the program outcomes with proper blooms verbs for graduation level skill.	This is where you will plan which courses/assignments the outcomes will be assessed in, what the benchmark should be, and which faculty member will gather the data	What % of your students reached the benchmark? Please include the “N” - number of students within the sample.	Identify how results are used and shared. List any shifts in teaching, changes to curriculum in light of the data. <b>*</b>
<input checked="" type="checkbox"/> Critical Thinking <input type="checkbox"/> Oral Communication <input type="checkbox"/> Written Communication <input type="checkbox"/> Information Literacy <input type="checkbox"/> Intercultural Knowledge <input type="checkbox"/> Quantitative Literacy <input type="checkbox"/> Professional Skills	ITEC 2500 Capstone for cyber Security Professionals	This is a second year course and this is the first year for this program. No Data Collected.		Use ethical hacking to perform penetration testing and perform digital forensics to collect information about Cyber incidents.	<b>Course:</b> ITEC 1430 Certified Ethical Hacking <b>Assessment:</b> Project <b>Benchmark:</b> 70% <b>Faculty:</b> Mohamed Ghonimy  <b>Course:</b> ITEC 2430 Open Source Security Tools <b>Assessment:</b> Project <b>Benchmark:</b> 70% <b>Faculty:</b> Mohamed Ghonimy  <b>Course:</b> ITEC 2450 Computer Hacking forensic Investigator <b>Assessment:</b> Project <b>Benchmark:</b> 70% <b>Faculty:</b> Mohamed Ghonimy  <b>Course:</b> ITEC 2500 <b>Assessment:</b> Capstone project <b>Benchmark:</b> 70% <b>Faculty:</b> Mohamed Ghonimy	These are a 2 <sup>nd</sup> year courses and data has not been collected yet.	
<input type="checkbox"/> Critical Thinking <input checked="" type="checkbox"/> Oral Communication <input type="checkbox"/> Written Communication <input type="checkbox"/> Information Literacy <input type="checkbox"/> Intercultural Knowledge <input type="checkbox"/> Quantitative Literacy <input type="checkbox"/> Professional Skills	ITEC 2500 Capstone for cyber Security Professionals	This is a second year course and this is the first year for this program. No Data Collected.		Compare and contrast common network security components and devices and their use throughout the IT infrastructure	<b>Course:</b> ITEC2410 IDS/IPS <b>Assessment:</b> Project <b>Benchmark:</b> 70% <b>Faculty:</b> Mohamed Ghonimy  <b>Course:</b> ITEC 2430 Open Source Security Tools <b>Assessment:</b> Project <b>Benchmark:</b> 70% <b>Faculty:</b> Mohamed Ghonimy  <b>Course:</b> ITEC 2450 Computer Hacking forensic Investigator <b>Assessment:</b> Project <b>Benchmark:</b> 70%	These are a 2 <sup>nd</sup> year courses and data has not been collected yet.	.

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<input type="checkbox"/> Critical Thinking <input type="checkbox"/> Oral Communication <input checked="" type="checkbox"/> Written Communication <input type="checkbox"/> Information Literacy <input type="checkbox"/> Intercultural Knowledge <input type="checkbox"/> Quantitative Literacy <input type="checkbox"/> Professional Skills	ITEC 2500 Capstone for cyber Security Professionals	This is a second year course and this is the first year for this program. No Data Collected.		Implement and administer SMB network security: identify and remediate threats and secure data and network communication.	<b>Course:</b> ITEC 1690 Network Security (Security+) <b>Assessment:</b> Final Exam <b>Benchmark:</b> earn at least 70% or higher <b>Section:</b> 900 Faculty: Dan Foss, Adjunct Date: End of Spring term  <b>Course:</b> ITEC2410 IDS/IPS <b>Assessment:</b> Project <b>Benchmark:</b> 70% <b>Faculty:</b> Mohamed Ghonimy  <b>Course:</b> ITEC 1430 Certified Ethical Hacking <b>Assessment:</b> Project <b>Benchmark:</b> 70% <b>Faculty:</b> Mohamed Ghonimy  <b>Course:</b> ITEC 2500 <b>Assessment:</b> Capstone project <b>Benchmark:</b> 70% <b>Faculty:</b> Mohamed Ghonimy	80% met benchmark 10 students  ----- These are 2 <sup>nd</sup> year courses and data has not been collected yet	Exam was two parts: Midterm (Sections 1-4) and Final (Sections 5-11), so these were combined. 1 student did not take either exam. The other student did not take the final exam. Note: Of the 8 who passed the exams, 6 also passed TestOut Security Pro Certification
<input type="checkbox"/> Critical Thinking <input type="checkbox"/> Oral Communication <input type="checkbox"/> Written Communication <input checked="" type="checkbox"/> Information Literacy <input type="checkbox"/> Intercultural Knowledge <input type="checkbox"/> Quantitative Literacy <input type="checkbox"/> Professional Skills	ITEC 2500 Capstone for cyber Security Professionals	This is a second year course and this is the first year for this program. No Data Collected.		Implement the concepts of confidentiality, availability and integrity in Information Assurance, including physical, software, devices, policies and people	<b>Course:</b> ITEC 1690 Network Security (Security+) <b>Assessment:</b> Final Exam <b>Benchmark:</b> earn at least 70% or higher <b>Section:</b> 900 <b>Faculty:</b> Doug Hubert, Adjunct	0% met benchmark 15 students	2016-17: Students did not take a final exam. Side note: All 15 students passed the course with 70% or higher.  Professor Payne was the course coordinator last year and has communicated with Adjunct instructor, Dr. Hubert, about the expectation of course requirements and delivery.  Professor Payne has presented a Quality Assurance proposal to ensure all IT-Networking faculty utilize “Master course templates” in Canvas so the instructional materials and learning assessments are consistent among all sections. Mohamed Ghonimy, new Cyber faculty, was assigned the course coordinator effective 10-12 2017.  Professor Payne and Cyber Professor Ghonimy have reviewed the updated

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							Security+ exam and curriculum and determined it would be best for students to take the course in Spring-1 instead of Fall-1, as students do not have the foundational knowledge nor technical ability to be successful in
<div><input type="checkbox"/> Critical Thinking</div> <div><input type="checkbox"/> Oral Communication</div> <div><input type="checkbox"/> Written Communication</div> <div><input type="checkbox"/> Information Literacy</div> <div><input checked="" type="checkbox"/> Intercultural Knowledge</div> <div><input type="checkbox"/> Quantitative Literacy</div> <div><input type="checkbox"/> Professional Skills</div>	ITEC 2500 Capstone for cyber Security Professionals	This is a second year course and this is the first year for this program. No Data Collected.		Attain Cisco®, CompTIA®, EC-Council®, or VMware® cert ification.	<b>Course:</b> ITEC 1430 Certified Ethical Hacking <b>Assessment:</b> Project Benchmark: 70% <b>Faculty:</b> Mohamed Ghonimy  <b>Course:</b> ITEC 2450 Computer Hacking forensic Investigator <b>Assessment:</b> Project <b>Benchmark:</b> 70% <b>Faculty:</b> Mohamed Ghonimy	These are second year courses and data has not been collected.	
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Peach shading- College-wide Outcomes

Green Shading- Program Outcomes

Red asterisk - CRITICAL TO ADDRESS