

<b>PROGRAM INFORMATION</b>	<b>Program</b>	<b>Information Systems Technology</b>
	Submitted by:	Kelvin Albertz
	Year	2021-2022
	Date of Review	1/6/2022
	Form Key	4c790c9c-0ca2-4372-819d-2b962f026adf
<b>PROGRAM OUTCOMES</b>	Explain how program outcomes were reviewed this year (i.e., input from advisory board, instructors, students, etc.) and changes made, if any:	Outcomes were redone and all reviewed in fall 2020. We then reviewed all in advisory board meeting spring 2021. Program outcomes 1 & 4 were reviewed over the last year.
	Outcomes are up to date in WIDS and on the program's web page	Yes
<b>SYLLABI</b>	ADA Statement	Yes
	Competencies	Yes
	Course Description	Yes
	Course Title and Number	Yes
	Credit Hours	Yes
	Freedom of Expression Statement	Yes
	Grading Criteria	Yes
	Instructor	Yes
	Academic Integrity Policy	Yes
	Nondiscrimination Statement	Yes
	Office Hours/Contact Information	Yes
	Prerequisites	Yes
	Required Text(s)	Yes
	Syllabi Up to Date in WIDS	Yes
	Explain which syllabi were reviewed this year; input received from advisory board, instructors, students, etc. regarding course objectives and textbooks used; and changes made, if any.	In spring advisory meeting. Data cabling class did not have any big issues but did move students around somewhat. Electronics theory is being renamed to electronics 1 and electronics 2. IST will only take electronics 1. InfoSec 1, Digital Math, and Intro to Broadband. No issues just using new book in InfoSec, Math was realigned to include some engineering material, for example, binary is now taught there and in IT Essentials. IT essentials. Going to be moving away from strictly Cisco IT essentials. Incorporating more HP helpdesk topics, as well as NDG IT Essentials labs. In fall 2021 we reviewed InfoSec 2, DC Logistics, and Data Vizualization.
<b>PROGRAM COMPETENCIES</b>	Explain how competencies were reviewed this year (i.e., input from advisory board, instructors, students, etc.) and changes made, if any:	They have been updated to reflect changes for CCNA 1, 2, & 3. Also updated for InfoSec 1 & 2 to reflect onboarding of CyberOps Associate for InfoSec 2 and a new edition of textbook for InfoSec 1. DC Logistics competencies all updated to reflect moving from VMware ICMv6.7 to VMware ICMv7 as well as adding O&Sv7. New competencies were added to reflect new version of RHEL for Linux class.
	WIDS Up to Date	Yes
<b>COURSE ASSESSMENTS USED IN PROGRAM CHECKLIST</b>	Capstone	Yes
	Class Participation	Yes
	Clinical/internship observations	Yes
	Examinations	Yes
	Comprehensive Final Exams	Yes
	Journals	No
	Lab Demonstrations	Yes
	Oral Examinations/Presentations	Yes
	Other Projects	No
	Peer Evaluatioins	Yes
	Portfolio Projects	No
	Quizzes	Yes
	Self Evaluations	No
	Simulations	Yes
	Videos of Student Mastery	No
	Written Essays	No
	Written Reports	Yes

<b>ALIGNED AND APPROPRIATE ASSESSMENTS</b>	Assessments used in the program are matched to the outcomes/competencies for the program.	Yes
	Give examples of how assessments used in the program reflect higher-level thinking skills, such as applications, analysis, synthesis, and evaluation.	Practical and skills based assessments are given at least once a semester in most technical classes.
	Explain changes in the assessments used in your program since your last review (include input received and rationale)	New textbook for InfoSec 1 required all exams to be revised for each module (no longer called chapters). We added the use of Cisco CyberOps Associate curriculum which introduced hands on with Zeek, ELK, various SIEMs, as well as a comprehensive final for CyberOps. Now using PowerShell scripts to more effectively evaluate practicals given for all Microsoft admin classes, & IT Essentials.
<b>INDUSTRY CERTIFICATIONS</b>	Explain any changes made or planned in the program based on assessment of industry certifications used in the program.	Over the latter period of 2021 and continuing into 2022 we are evaluation new industry certifications offerings for students. Some examples include Microsoft Fundatments certifications, CompTIA A+, Server+, and Fundamentals. Another departmental accreditation under review is the National Science Foundation Centers for Academic Excellence in Information Assurance. These are currently being evaluated with nothing added as of date of this review.
<b>INTERNSHIPS/ CLINICALS</b>	How do you evaluate program competencies or learning objectives during internship/externship experiences?	Students ability to get an internship and do all preliminary forms are initially graded. Then an employer evaluation is completed and graded at the end of the internship. Then all students who complete their internships present to incoming 1st year students as well. This is unable to be added into the internship final grade since it is given after the class has ended.
	As you reviewed results of internship/externship evaluations, what curriculum changes were made or are planned in your program?	Matt and I have coordinated more closely to procure internships for students. Making sure everyone completes this requirement is essential for program retention and completion percentages.
<b>ENROLLMENT</b>	Does the most recent year's data meet this benchmark? If not, explain a single-year anomaly or explain what strategies your program will implement to address a pattern (two or more years) of not reaching this benchmark.	At 67% we did not meet the benchmark. Matt is currently evaluating using VR for expos and fairs next year.
<b>RETENTION</b>	Does the most recent year's data meet this benchmark? If not, explain a single-year anomaly or explain what strategies your program will implement to address a pattern (two or more years) of not reaching this benchmark.	At 55% we did meet benchmark for retention either. We have met with CSS staff to improve. This as well as enrollment and graduation rates are all discussed at each advisory board meeting as well as industry partners at conferences, etc. We have meetings currently scheduled with Scott Fossum to formulate a plan forthcoming.
<b>GRADUATION</b>	Does the most recent year's data meet this benchmark? If not, explain a single-year anomaly or explain what strategies your program will implement to address a pattern (two or more years) of not reaching this benchmark.	For the 2nd year in a row we did not meet this benchmark as well. We are currently working harder as instructors to see and intervene with students and have met with CSS Engineering representatives to assist us with doing this.

<b>PLACEMENT</b>	Does the most recent year's data meet this benchmark? If not, explain a single-year anomaly or explain what strategies your program will implement to address a pattern (two or more years) of not reaching this benchmark.	Met this benchmark. We have difficulty year after year with enrollment, retention, & graduation rates but placement is not an issue. This follows industry problems finding people to work in tech.
<b>STUDENT SATISFACTION</b>	If this benchmark is not met, what strategy or strategies will be implemented to address this measure?	Only one that was over was not relevant to our control. Noel-Levitz survey results were good.
<b>ALUMNI SATISFACTION</b>	If this benchmark is not met, what strategy or strategies will be implemented to address this measure?	Met the benchmark with 89%
<b>EMPLOYER SATISFACTION</b>	If this benchmark is not met, what strategy or strategies will be implemented to address this measure?	100% satisfaction
<b>PROFESSIONAL DEVELOPMENT</b>	What professional development activities have instructors in this program completed in the last year?	Cisco Instructor Professional Development weeks. Attended two weeks summer training for Cisco CyberOps Associate instructor training. Also attended WASTC Summer Virtual Conference.
	How were these activities used to improve this program?	Cisco curriculum updates, Packet Tracer physical mode enhancements. One session at WASTC Summer con was over Netlab and made some changes to labs from that.
<b>PROFESSIONAL ORGANIZATIONS</b>	Do faculty members belong to professional organizations associated with this program?	Yes
	If no, explain why.	
	Are students made aware of the professional organizations for their career field?	Yes
<b>All</b>	What changes were or will be made to this program based on feedback provided at the past year's advisory board meeting(s)?	We continue to work on industry entry level certifications for students as feedback from advisory was in favor of this.
	Implementation Date	1/6/2022
	Indicate the personnel responsible for implementing the change(s):	Matt, Kelvin, Carol Grode-Hanks
<b>PROGRAM IMPROVEMENT PLANS AND BUDGET</b>	As you review this past year, what changes do you propose for the next school year that will affect the program's budget?	Storage is our current and still our biggest area of need in technology. Fabric Interconnects are new, this required emergency purchase of new blades to use them. Our new storage array is the same size as our old one so if we migrate to new we cannot increase storage. This forces us to continue using old EOS arrays. Adding drives to new array is not available currently with controllers in this array.
	Cost	\$50,000