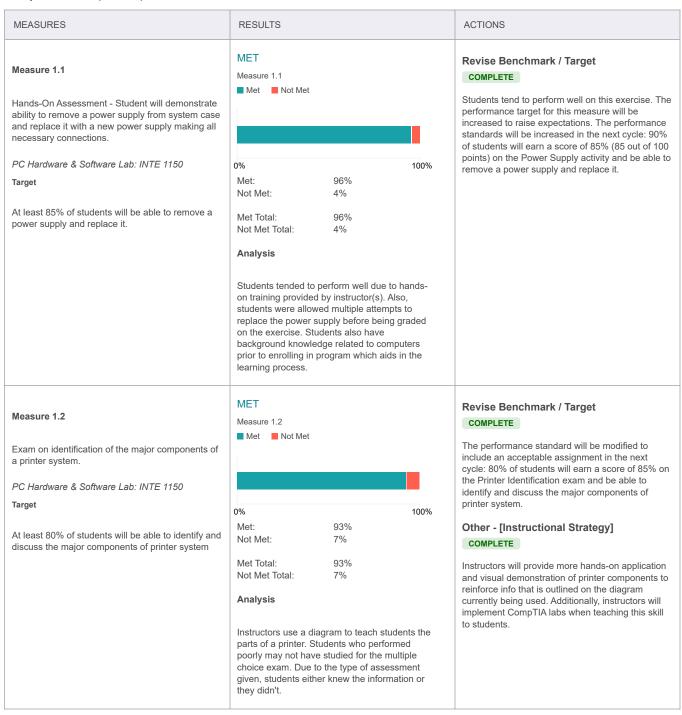
Program Assessment Plan 2021-2023 Information Systems Technology

Information Systems Technology Learning Outcomes

SLO 1: Install components

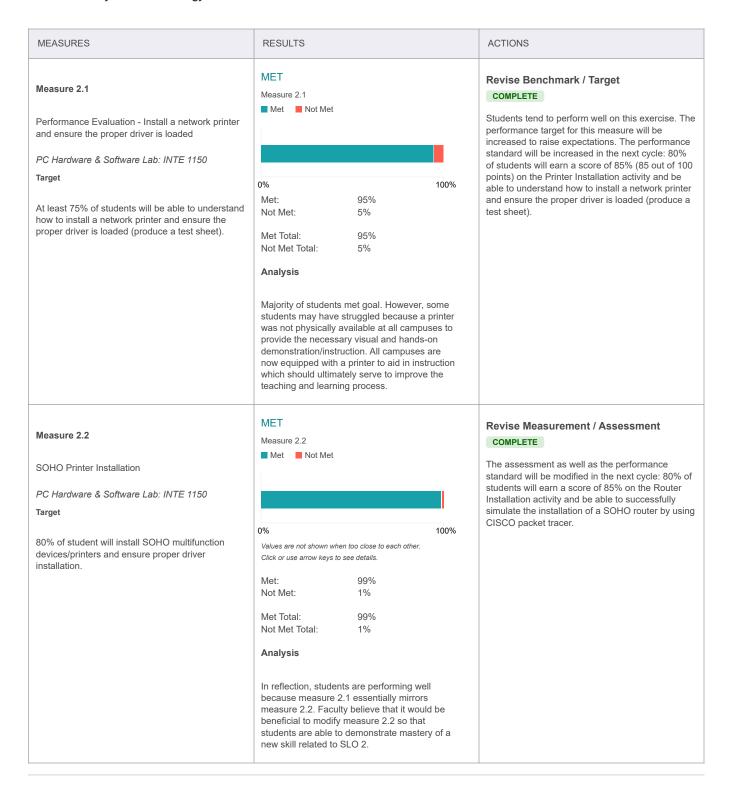
Identify and install computer components



SLO 2: Troubleshoot computer issues

Troubleshoot personal computer issues using appropriate techniques and procedures

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SLO 3: Operating systems

Install, configure, and maintain an operating system.

MEASURES	RESULTS	ACTIONS
Measure 3.1 Hands-On Test - Installation an operating system software from bootable USB flash drive.	MET Measure 3.1 Met Not Met	Revise Benchmark / Target COMPLETE Students tend to perform well on this exercise. The performance target for this measure will be

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Fundamentals of Client/Server: INTE 2015
Target

At least 80% of students will be able to understand how to use a bootable USB flash drive to install operating system software and drivers and MS Office. Students will create two users accounts and assigned them to the appropriate group.

0%		100%
Met: Not Met:	97% 3%	
Met Total:	97%	

3%

Analysis

Not Met Total:

When teaching this skill, instructors provide students multiple modes of learning. Instructors administer content through both lecture and hands-on labs. The practical application helps to reinforce the material taught during lecture which is why faculty believe students perform well.

increased to raise expectations. The performance standard will be increased in the next cycle: 90% of students will earn a score of 85% (94 out of 110 points) on the Operating System Installation activity and be able to understand how to use a bootable USB flash drive to install operating system software and drivers and MS Office. Students will create two users accounts (one of which will include an email account) and assign them to the appropriate group.

Revise Measurement / Assessment COMPLETE

Instructors believe that there is a need for students to also know how to install and configure email account. As such, the assessment will be modified in the next cycle to include an additional task: "Students will create two users accounts (one of which will include an email account) and assign them to the appropriate group."

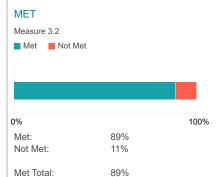
Measure 3.2

Exam covering working knowledge of Windows operating Systems.

Fundamentals of Client/Server: INTE 2015

Target

At least 80% of students will be able to demonstrate a working knowledge of terminology specific to Windows operating systems.



Analysis

Not Met Total:

Students are assessed via a multiple choice test. From faculty observation, some students struggle with test-taking. Students who struggled may benefit from additional modes of learning (e.g. visual learning) to help reinforce content delivered through lecture.

11%

Other - [Instructional Strategy]

In an effort to improve teaching and learning, instructors will provide students with additional learning materials to specifically include video demonstrations of content.

Revise Benchmark / Target

Students tend to perform well on this exercise. The performance target for this measure will be increased to raise expectations. The performance standard will be increased in the next cycle: 85% of students will earn a score of 85% on the Window Operating Systems exam and be able to demonstrate a working knowledge of terminology specific to Windows operating systems.

SLO 4: LAN/WAN

Design and troubleshoot local area and wide area networks.

MEASURES	RESULTS			ACTIONS
Measure 4.1 Hands-On Test - Packet Tracer: Configuring VLANs Advanced Networking: INTE 2350 Target At least 80% of students will be able to understand how to configure initial switch settings for VLAN	MET Measure 4.1 Met Met O% Values are not shown when to Click or use arrow keys to see Met: Met Total: Not Met Total:	oo close to each other.	100%	Revise Benchmark / Target COMPLETE Students tend to perform well on this exercise. The performance target for this measure will be increased to raise expectations. The performance standard will be increased in the next cycle: 90% of students will earn a score of 85% on the VLAN Configuration exam and be able to understand how to configure initial switch settings for VLAN.

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Analysis Instructors have had great success in using the packet tracer simulator software as a teaching and training tool. This resource recently became accessible to faculty. Students tend to perform well because INTE 2350 is an advanced IT class and have already gained the foundational knowledge taught in introductory courses. MET Revise Benchmark / Target Measure 4.2 Measure 4.2 COMPLETE ■ Met ■ Not Met Instructors worked to modify and increase the rigor Exam - Security Assessment of current exam about a year ago. Students seem to be performing well on the updated assessment. Network Security: Ethical Hack: INTE 2545 The performance standard will be increased in the next cycle: 85% of students will earn a score of Target 85% on the Security exam and be able to 0% 100% demonstrate a general knowledge of security in a At least 75% of students will be able to 95% Met: network environment. demonstrate a general knowledge of security in a Not Met: 5% network environment. Met Total: 95% Not Met Total: 5% **Analysis** INTE 2545 is considered an advanced IT course. Students tend to perform well because the topic of security is introduced and reinforced in each course leading up to enrollment in INTE 2545.

SLO 5: Cloud computing

Design and deploy secure and robust applications utilizing cloud computing technologies

MEASURES	RESULTS			ACTIONS
Measure 5.1 Obtain a Badge from the AWS Academy Intro to Cloud Computing: INTE 1950	MET Measure 5.1 Met Not Met			Revise Measurement / Assessment COMPLETE Because the AWS platform may no longer be accessible at the LCTCS level, instructors believe there may be a need transition away from AWS use. There is a need to update measure due to
Target At least 75% of students will be able to demonstrate a general knowledge of Cloud	0% Met: Not Met:	98% 2%	100%	uncertainty surrounding the future use of AWS. New measure will be a 20-question exam that will assess students' basic cloud knowledge using platform that is readily accessible. Exam will be revised to remove AWS language.
Foundations.	Met Total: Not Met Total:	98% 2%		Revise Benchmark / Target
	Analysis Majority of students were able to earn their badge from the AWS Academy. AWS is integrated with Canvas. Students may have performed well here because they are already familiar with the LMS interface which ultimately aided students in earning their badge.		The performance standard will be modified to include an acceptable assignment in the next cycle: 75% of students will earn a score of 85% on exam and be able to demonstrate a general knowledge of Cloud Foundations.	

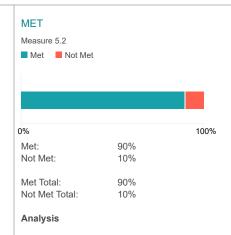
Measure 5.2

Exam - AWS Assessment Test.

Advanced Cloud Computing: INTE 2950

Target

At least 75% of students will be able to demonstrate a general knowledge of Cloud Foundations



Instructors observe that some students experience challenges with test-taking and/or do not properly prepare and study for tests. Due to the practical nature of field of IT, students tend to perform better when completing activities that involve hands-on application or when asked to actually demonstrate their understanding by doing/performing the skill.

Revise Measurement / Assessment

COMPLETE

INTE 2950 exam will test students' knowledge related to advanced cloud computing. Due to uncertainty surrounding the future use of AWS, test questions will be modified to remove AWS specific language.

Revise Benchmark / Target

COMPLETE

The performance standard will be modified to include an acceptable assignment in the next cycle: 75% of students will earn a score of 85% on exam and be able to demonstrate a general knowledge of Advanced Cloud Computing.