Washtenaw Community College Comprehensive Report

UAT 194 Advanced Technologies for Training Centers (UA 3115)
Effective Term: Fall 2024

Course Cover

College: Advanced Technologies and Public Service Careers
Division: Advanced Technologies and Public Service Careers
Department: United Association Department (UAT Only)
Discipline: United Association Training
Course Number: 194
Org Number: 28200
Full Course Title: Advanced Technologies for Training Centers (UA 3115)
Transcript Title: Advanced Technologies UA 3115
Is Consultation with other department(s) required: No
Publish in the Following:
Reason for Submission: New Course
Change Information:
Rationale: New United Association Course
Proposed Start Semester: Fall 2024
Course Description: In this course, students will identify advanced cyber security technologies to protect the local Training Center's Information Technology (IT) infrastructure. Topics include the types of cyber security, equipment and technology infrastructure as well as industry-related technology adoption. Students will also discuss budgeting strategies for various technologies and identify best practices when implementing cyber security policies. Students will create and present a comprehensive plan on the implementation of one of the technologies at their training center. Limited to United Association program participants.

Course Credit Hours

Variable hours: No
Credits: 1.5
The following Lecture Hour fields are not divisible by 15: Student Min ,Instructor Min
Lecture Hours: Instructor: 22.5 **Student:** 22.5
The following Lab fields are not divisible by 15: Student Min, Instructor Min
Lab: Instructor: 1.5 **Student:** 1.5
Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 24 **Student:** 24
Repeatable for Credit: NO
Grading Methods: Letter Grades
Audit
Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

General Education
Degree Attributes
Below College Level Pre-Reqs

Request Course Transfer
Proposed For:

Student Learning Outcomes

1. Create and execute a lesson plan on the types and causes of cyber security threats, as well as the vulnerabilities within the Training Center Network.
   ### Assessment 1
   Assessment Tool: Outcome-related presentation
   Assessment Date: Fall 2024
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Checklist
   Standard of success to be used for this assessment: 80% of the students will score 80% or higher.
   Who will score and analyze the data: U.A. Instructors

2. Create and execute a lesson plan on preventative measures and budget-friendly policies for encouraging and implementing cyber security technology at the local Training Center.
   ### Assessment 1
   Assessment Tool: Outcome-related presentation
   Assessment Date: Fall 2024
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Checklist
   Standard of success to be used for this assessment: 80% of the students will score 80% or higher.
   Who will score and analyze the data: U.A. Instructors

Course Objectives
1. Identify common types of cyber security vulnerabilities at Training Centers.
2. Discuss best practices to avoid cyber security vulnerabilities.
3. Discuss the purpose of cyber security technology.
4. Demonstrate the use of cyber security technology.
5. Utilize the United Association Online Learning Resource (UA OLR) as well as information from industry partners to strengthen cyber security at the training centers.
6. Discuss and demonstrate how to leverage available technologies from the UAOLR and industry partners.
7. Discuss and create a plan to train staff on cyber security vulnerabilities and technology use.
8. Create a budget and strategic plan for cyber security to present to the Joint Apprenticeship Training Committee (JATC) at Training Centers.
9. Present a cyber security strategic plan for peer review and discussion.

New Resources for Course

Course Textbooks/Resources
Textbooks
Manuals

Periodicals
Software

Equipment/Facilities

Reviewer	Action	Date
Faculty Preparer:		
Tony Esposito	*Faculty Preparer*	*Jan 31, 2024*
Department Chair/Area Director:		
Marilyn Donham	*Recommend Approval*	*Feb 01, 2024*
Dean:		
Eva Samulski	*Recommend Approval*	*Feb 18, 2024*
Curriculum Committee Chair:		
Randy Van Wagnen	*Recommend Approval*	*May 17, 2024*
Assessment Committee Chair:		
Jessica Hale	*Recommend Approval*	*May 20, 2024*
Vice President for Instruction:		
Brandon Tucker	*Approve*	*May 30, 2024*