

Washtenaw Community College Comprehensive Report

UAT 125 Introduction to CAD (UA 3019) Effective Term: Spring/Summer 2019

Course Cover

Division: Advanced Technologies and Public Service Careers
Department: United Association Department
Discipline: United Association Training
Course Number: 125
Org Number: 28200
Full Course Title: Introduction to CAD (UA 3019)
Transcript Title: Introduction to CAD (UA 3019)
Is Consultation with other department(s) required: No
Publish in the Following: College Catalog
Reason for Submission: New Course
Change Information:
Rationale: New United Association course
Proposed Start Semester: Spring/Summer 2019
Course Description: In this course, students will comprehend introductory concepts of Computer-Aided Drafting and the environment and techniques of CAD instruction. The course emphasizes the fundamentals of AutoCAD software, as well as the creation and modification of two-dimensional objects. Instructions on creating and using drawing and template files, creating layers, annotation, dimensioning, and printing drawings will be included. 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 a piping connection template (also known as Fishmouth).

Assessment 1

Assessment Tool: Skills demonstration

Assessment Date: Spring/Summer 2019

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Skills Demonstration Checklist

Standard of success to be used for this assessment: 80% of the students will score 100%

Who will score and analyze the data: UA Training Coordinator

2. Draw piping fittings and publish drawing and create digital hard copies.

Assessment 1

Assessment Tool: Skills Demonstration

Assessment Date: Spring/Summer 2019

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Skills Demonstration Checklist

Standard of success to be used for this assessment: 80% of the students will score 100%

Who will score and analyze the data: UA Training Coordinator

Course Objectives

1. Identify the components of the CAD's coordinate system and its uses.
2. Recognize ways to modify and use new and existing objects of software.
3. Identify and draw lines, poly-lines, circles, arcs, and polygons in a CAD program environment with reference to equipment identification.
4. Demonstrate drawing objects full scale at specific locations in a 2D model.
5. Create drawings of piping fittings and project diagrams using software.
6. Save and import new and existing drawing for updating and re-configuration.
7. Create hard copies of drawings for jobsite distribution.

New Resources for Course

Course Textbooks/Resources

Textbooks

Manuals

Periodicals

Software

Equipment/Facilities

Reviewer

Action

Date

Faculty Preparer:

Tony Esposito

Faculty Preparer

Dec 13, 2018

Department Chair/Area Director:

<i>Marilyn Donham</i>	<i>Recommend Approval</i>	<i>Jan 03, 2019</i>
Dean:		
<i>Brandon Tucker</i>	<i>Recommend Approval</i>	<i>Jan 16, 2019</i>
Curriculum Committee Chair:		
<i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Mar 06, 2019</i>
Assessment Committee Chair:		
<i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Mar 06, 2019</i>
Vice President for Instruction:		
<i>Kimberly Hurns</i>	<i>Approve</i>	<i>Mar 13, 2019</i>