Arts, Media, and Technology Career and Academic Pathways (CAPs) Program Map: Skills Certificate for Architectural Computer-Aided Design Auto CAD

Total number of units: 15 units	Top Code/Academic Plan: 0201.00	Updated on November 29, 2021

Session 1	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	ARC 161	**Intro to Computer-Aided Architectural Design**	**2**	Corequisite: ARC180.	
Program Course	ARC 180	**Computer-Aided Architectural Lab**	**1**	Corequisite: ARC 161.	

Total Units   3

Session 2	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	ARC 162	**Computer-Aided Design and Drafting**	**3**	Prerequisite: ARC 161 - Corequisite: ARC 182.	
Program Course	ARC 182	**Computer-Aided Architectural Lab**	**1**	Corequisite: ARC 162.	

Total Units   4

Session 3	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	ARC 261	**CAD for Architecture I**	**3**	Prerequisite: ARC 162 - Corequisite: ARC 182.	
Program Course	ARC 280	**Computer-Aided Design for Architecture I Lab**	**1**	Corequisite: ARC 261.	

Total Units   4

Session 4	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	ARC 262	**CAD for Architecture II**	**3**	Prerequisite: ARC 261 - Corequisite: ARC 282.	
Program Course	ARC 282	**Computer-Aided Design for Architecture II Lab**	**1**	Corequisite: ARC 262.	

Total Units   4

Degree Path and Requirements:

Skill Certificate, Architectural Computer Aided Design AutoCAD. Requirements for the Certificate include: 11 Units, four courses. No other course work or LACCD General Education Plan course required. Completion of this Certificate is the foundation for the Associate in Arts Degree, Architectural Computer Aided Design.

This map is a suggested term-by-term sequence of courses to complete the program in a recommended time frame. This is an efficient and recommended plan, but actual plans may vary by individual student need. This map cannot replace a meeting with counselors.

Department Advising Notes:

This map was created for students wishing to pursue a Skill Certificate in AutoCAD suite. The Department provides 6 other focused Skill Certificates in Architectural Computer-Aided Design 3D Modeling, Architectural Detailing, Architectural Graphics, Architectural History, Architctural Professional Practice I and Architctural Professional Practice II. It is recommended to review the course maps and the course discriptions found in the College General Catalog to determine student intrest and associated pathway. These Skills Certificates are the foundation of specific Associated in Arts curriculum and Certificates of Achivement. These certificates assist with the Professional Portfolio and employment opportunities. Note: This Certificate Map, by itself, are not the preferred or qualified pathway to University Transfer. While some course work will cross over, the University Transfer Pathway is specific to individual Universities and will require counseling with the Department of Architecture Chair.

Note: Course offerings are fairly consistent from semester to semester and year to year.

Program Description

One of Seven Skills Certificate Programs, this 11 Unit Skill Certificate is a focus with AutoCAD 2D and 3D software in association with other similar software. This program provides introductory and advanced skill preparation for the workplace in the Architecture, Design and Construction industry. These courses are exclusive of the Unversity programs who do not provide course work or organized training in these skill areas. Course are designed for those entering the profession for the first time and those with Universirty degrees as well as years of industry expereince.

Career and Transfer Opportunities

The AutoCAD suite of courses provides specifc Software skills to assist in design, research and presentations. Depending on the students choosen area of discipline, this currciulum provides foundational and advanced skill project execution. These become valuable examples of skill execution in ones Professional Portfolio used for employment opportunities and University Transfer. Career opportunities vary within the level of CAD skills and other skills obtained in the industry. Entry level positions are identified by "Junior Designer or CAD Draftsman" within the Architectural, Design and Construction industry and starting salaries average around $25.00 hour. A Skill Certifcate is not designed as stand alone course work for long term career or employment. These Skill Certificates are used for continuing education for thos already in the industry or as added certification used for career

advancement. For the student on a path to an Associates in Arts Degree or Univerisity Transfer, these earned Certificates are milestones on the path to a larger goal (Degree or Transfer).

Visit the Transfer Center for transfer information, which varies based on transfer college. Make an appointment with a counselor. Students can visit Career and Job Services for career counseling and further exploration.

Youtube Videos

You Belong at East Los Angeles College

Program Map

A suggested sequence of classes to complete a degree, certificate, or program of study. Students should consult an academic counselor for variations to this plan based on part-time or full-time status, transfer plans, pre-requisites needed, etc.

Prerequisite Course

A specific course that must be completed before advancing to the next course.

Check the online catalog at elac.edu for the latest and most accurate information.

Contact

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