

Architectural Computer Aided Drafting

Certificate of Completion

2009-10 Academic Year

Major Code: 151303A

About the Program

The Architectural Computer Aided Drafting (CAD) certificate is designed for students seeking entry-level positions as CAD drafters, architectural design technicians, or related positions in design, construction or surveying. This program places an emphasis on preparing students to produce concise, accurate and professional construction drawings.

Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with courses within their skill levels as determined by placement test scores. Students are also required to complete any prerequisites listed. In addition, students may also be required to enroll in classes that would increase their employability and success (see prerequisites).

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Construction Technology Department coordinator's recommendation. In order to ensure coursework is current, program courses over five years old must be reviewed and approved by the appropriate department head before being accepted toward core requirements. High school "2+2" Early College credits will be accepted in accordance with current agreements.

Graduation Requirements

Students must complete all credits in this program with a "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
—	Approved 3-4 credit computer science class, CS120 or above (or documented computer proficiency) ¹	0-4
CT97	Construction Industry Orientation ² and	3
CT98	Construction Tools ² or	3
CT90	Build Your Tomorrow: A Complete Guide to Success in the Construction Industry ² and	3
CT91	Hands-on: A Constructive Approach to Your Next Career ²	7
MTH20	Pre-algebra (or designated placement test score as shown on current indicator chart)	4
RD30	College Reading II (or designated placement test score as shown on current indicator chart)	4
WR30	Fundamentals of Composition II (or designated placement test score as shown on current indicator chart)	4

Required Courses

Course No.	Course Title	Credits
First Term		
BA131	Business Computing or	
CS140	Introduction to Operating Systems	4
BT101	Human Relations in Organizations or	
PSY101	Psychology of Human Relations	3
CT101	Construction Carpentry I	4
CT104	Construction Blueprint Reading I	3
CT111	Computer Aided Drafting: Architectural	3
WR115	Introduction to Expository Writing or	
BT113	Business English I or higher level composition	3

Course No.	Course Title	Credits
Second Term		
BA109	Ready, Set, Work: Techniques for Landing a Job	2
CT102	Construction Carpentry II	4
CT106	Elements of Design	3
CT204	Construction Blueprint Reading II	3
CT211	Computer Aided Drafting II: Architectural	3
MTH60	Fundamentals of Algebra I or	
MTH63	Applied Technical Math or higher level math	4
		19
Third Term		
CT103	Construction Carpentry III	4
CT141	Oregon Residential Structural Specialty Code	3
CT212	Computer Aided Drafting III: Architectural	3
CT280C	Cooperative Work Experience/Construction Capstone	5
9.167	Emergency First Aid	1
—	Approved elective	3
		19
TOTAL PROGRAM CREDITS		58

Approved Program Electives (3 credits required)

Course No.	Course Title	Credits
CT105	Construction Industry Methods, Materials, and Resources	3
CT241	Oregon Structural Specialty Code (International Building Code)	3

¹ Successful completion of CS101 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

² These courses prepare students with little construction experience in the areas of safety, tool use and work readiness. Prerequisites may be waived upon assessment by the department head. Assessment criteria includes work and experience history, demonstrable competencies, and/or "2+2" Early College credit.

For more information contact the Construction Technology Department:

Grants Pass or Medford (541) 245-7980
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 e-mail bbrown@rogucecc.edu
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This advising guide is for advising purposes only. Please see current college catalog for additional information on specific college policies and graduation requirements.

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