

# Construction Industry Management

## Associate of Applied Science Degree

2009-10 Academic Year

Major Code: 151001

### About the Program

The Construction Industry Management degree program has an emphasis on management-related skills and is designed for students seeking a career in the construction industry or for those within the industry seeking professional development training. The industry has experienced a dramatic increase in the number of new products and techniques available, and the rate they develop is accelerating. This degree prepares students to operate in a dynamic environment where success depends on the ability to understand, select, and communicate to others the proper methods and materials needed to accomplish a project. Emphasis is also placed on developing precise communication skills with owners, architects, engineers, and regulatory agencies.

The AAS degree also prepares students for a wide range of construction-related careers, both field and office, in the areas of coordination, supervision, sales, and marketing. The degree incorporates the one-year certificate program as the first year of this two-year degree (see Construction Technology Certificate). Student goals will be considered and electives selected to accommodate individual career paths. Transfer to a four-year institution may require additional coursework that will vary with each institution. Early advising is required for entry and continued advising is strongly recommended.

### 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 pre-requisites listed. In addition, students may also be required to enroll in classes that would increase their employability and success (see Construction Technology prerequisites).

### Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Construction Technology Department head'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 Credit will be accepted in accordance with current agreement.

### Graduation Requirements

Students must complete all credits in this program with a "C" or better to receive their degrees. 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. Note: Effective summer term 2009, many general education courses went from three to four credits. The three-credit version of any art, writing, speech, humanities, or social science course will meet the same degree requirements as the new four-credit version. Students must still complete all required courses in this degree and at least 90 applicable credits to receive an associate degree.

### Construction Technology Prerequisites

Course No.	Course Title	Credits
—	Approved 3-4 credit computer science class, CS120 or above (or documented computer proficiency) <sup>1</sup>	0-4
CT97	Construction Industry Orientation <sup>2</sup> and	3
CT98	Construction Tools <sup>2</sup> or	3
CT90	Build Your Tomorrow: A Complete Guide to Success in the Construction Industry <sup>2</sup> and	3
CT91	Hands-on: A Constructive Approach to Your Next Career <sup>2</sup>	7
MTH63	Applied Technical Math or	
MTH60	Fundamentals of Algebra I (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

### First Year Required Courses

Course No.	Course Title	Credits
<b>First Term</b>		
CT101	Construction Carpentry I	4
CT104	Construction Blueprint Reading I	3
CT111	Computer Aided Drafting I: Architectural	3
CT141	Oregon Residential Structural Specialty Code or	
CT225	Strength of Materials <sup>3</sup>	3
CT198	Construction Project Safety	3
9.167	Emergency First Aid	1
		17
<b>Second Term</b>		
BT101	Human Relations in Organizations or	
PSY101	Psychology of Human Relations	3
CT102	Construction Carpentry II	4
CT204	Construction Blueprint Reading II	3
CT211	Computer Aided Drafting II: Architectural	3
WR115	Introduction to Expository Writing or	
BT113	Business English I or higher level composition	3
LIB127	Introduction to Library Research Methods	1
		17
<b>Third Term</b>		
BA131	Introduction to Business Computing	4
CT103	Construction Carpentry III or	
CT130	Site Survey I <sup>3</sup>	3-4
CT180	Cooperative Work Experience/Construction (allowed only after minimum safety orientation is completed)	3
WR121	English Composition I or	
BT114	Business English II or higher level composition	3-4
—	Approved construction technology elective	3
		16-18
<b>TOTAL FIRST YEAR CREDITS</b>		<b>50-52</b>

### Second Year Required Courses

Course No.	Course Title	Credits
<b>Fourth Term</b>		
BT102	Introduction to Supervision	3
BT141	Accounting for Construction Project Managers	3
CT223	Project Management and Scheduling	3
CT229	Construction Safety Management	3
MTH65	Fundamentals of Algebra II or higher level math	4
		16
<b>Fifth Term</b>		
BT105	Business Ethics or	
PHL102	Ethics	3-4
CT224	Project Estimating	3
CT242	Contract Documents	3
G100	Fundamentals of Geology or	
G101	Introduction to Geology I w/lab	3-4
—	Approved business/communication electives	2-4
		14-18

(over)

Course No.	Course Title	Credits
<b>Sixth Term</b>		
CT241	Oregon Structural Specialty Code (International Building Code)	3
CT245	Oregon Construction Contractor Law	3
CT280	Cooperative Work Experience/Construction or	
CT280C	Cooperative Work Experience/Construction Capstone	3
—	Approved construction technology elective	<u>3</u>
		12
<b>TOTAL SECOND YEAR CREDITS</b>		<b>42-46</b>
<b>TOTAL PROGRAM CREDITS</b>		<b>92-98</b>

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

<sup>2</sup> Prepares those with little construction experience in the areas of safety, tool use, and work readiness. Prerequisites can be waived upon assessment by the program coordinator. Assessment criteria includes work and experience history, demonstrable competencies, and/or “2+2” Early College Credit.

<sup>3</sup> Courses recommended for students interested in pursuing a civil engineering technician focus in their studies.

For more information contact the Construction Technology Department:

Grants Pass or Medford ..... (541) 245-7980

Toll free in Oregon ..... (800) 411-6508, Ext. 7980

e-mail ..... bbrown@roguecc.edu

TTY ..... (541) 956-7338 or (541) 245-7587

## Approved Construction Technology Electives

(6 credits required)

Course No.	Course Title	Credits
CT101F	Concrete Forming and Finishing	2
CT105	Construction Industry Methods, Materials, and Resources <sup>3</sup>	3
CT106	Elements of Design	3
CT107	Construction Carpentry IV	4
CT115	Geographical Information Systems I <sup>3</sup>	3
CT130	Site Survey I (if not taken in third term)	3
CT140	Issues in the Construction Environment	3
CT142	Building Code Topics	1-3
CT199	Construction Technical Topics <sup>3</sup>	1-5
CT212	Computer Aided Drafting III: Architectural	3
CT215	Geographical Information Systems II	3
CT218	Construction Project Software <sup>3</sup>	3
CT225	Strength of Materials (if not taken in first term)	3
CT230	Site Survey II <sup>3</sup>	3
CT249	Land Planning Issues	3
MTH95	Intermediate Algebra or higher level math	4

This advising guide is for advising purposes only. Please see current college catalog for additional information on specific college policies and graduation requirements.

In compliance with state and federal laws, Rogue Community College does not discriminate on the basis of race, religion, color, national origin, age, gender or disability in employment, or in any of its educational programs, or in the provision of benefits and services to students.

## Approved Business/Communication Electives

(one course required)

Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
BA226	Business Law	4
BT160	Business Math	4
BT250	Entrepreneurship	3
SP111	Fundamentals of Public Speaking	4
WR122	English Composition II	4
WR227	Technical Writing	4