

Information about Construction Management



BACKGROUND

Construction managers plan, direct, and coordinate a wide variety of construction projects, including the building of all types of residential, commercial, and industrial structures, roads, bridges, wastewater treatment plants, and schools and hospitals. Construction managers may oversee an entire project or just part of a project and, although they usually play no direct role in the actual construction of a structure, they typically schedule and coordinate all design and construction processes, including the selection, hiring, and oversight of specialty trade contractors.

Construction managers are salaried or self-employed managers who oversee construction supervisors and workers. They often go by the job titles program manager, construction superintendent, project engineer, project manager, construction supervisor, general contractor, or similar designations. Construction managers may be owners or salaried employees of a construction management or contracting firm, or may work under contract or as a salaried employee of the property owner, developer, or contracting firm overseeing the construction project. Persons interested in becoming a construction manager need a solid background in building science, business and management, as well as related work experience within the construction industry. They need to understand contracts, plans, and specifications, and to be knowledgeable about construction methods, materials, and regulations. Familiarity with computers and software programs for job costing, online collaboration, scheduling, and estimating also is important. The ability to converse fluently in Spanish is also an asset because Spanish is the first language of many workers in the construction industry. For construction manager jobs, employers increasingly prefer to hire individuals with a bachelor's degree in construction science, construction management, or civil engineering, as well as industry work experience. Practical industry experience is very important, whether it is acquired through an internship, a cooperative education program, or work experience in a trade or another job in the industry. Traditionally, persons advanced to construction management positions after having substantial experience as construction craftworkers—carpenters, masons, plumbers, or electricians, for example—or after having worked as construction supervisors or as owners of independent specialty contracting firms, overseeing workers in one or more construction trades. However, as construction processes become increasingly complex, employers are placing a growing importance on postsecondary education.

Occupational Outlook Handbook, <http://www.bls.gov/oco/ocos005.htm> [April 2008]

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PROGRAM OPTIONS

Students may enroll at EvCC in courses that prepare them for transfer to another college or university with a Construction Management major. Depending on the transfer destination, the following EvCC courses may be helpful:

ENGL& 101 and 102
CMST& 210, 220 [SPCH 100, 101]
HIST 111 and 112
GEOL& 102 [101]
CHEM& 121 or 161 [101 or 140]
ENVS& 100 [101] or ENVS 150
MATH& 148 or 151 and 152 [142 or 152 and 153]
MATH& 146 [281]
ECON& 202 [200] and 201
PHYS& 121/122 or 221/222 [117/118 or 121/122]
SPAN& 121, 122, 123 [101, 102, 103]
BUS& 101 and 201 [220]
ACCT& 201, 202, 203 [200, 201, 202]
ENG T 100 and 108, or
ENGR& 114 [123] and ENGR 142

Courses listed with an ampersand in the course number (e.g. ENGL&101) reflect the new Common Course Numbering System. Courses in [brackets] are the "old" course numbers and may be used to satisfy requirements. For more information, go to www.everettcc.edu/ccn

Degree programs are available at:

Edmonds Community College. Associate of Technical Arts degree in Construction Management.
<http://www.edcc.edu>

University of Washington, Bachelor of Science in Construction Management.
<http://depts.washington.edu/cmweb/undergrad/>

Washington State University, Bachelor of Science, Construction Management.
<http://www.arch.wsu.edu>

PROGRAM ADVISORS

Everett Community College does not offer a construction management program. This guide is designed to provide general information, and it is the student's responsibility to contact the college or university for guidance on courses to take and transfer application procedures. For general advising, contact:

Robert Osnes, 425-388-9383, SHK 118
rosnes@everettcc.edu

Associate in Arts and Sciences - Option II

This checklist is targeted at students intending to transfer to another college or university. Students should meet with an advisor and maintain this checklist while at Everett Community College, and also stay in contact with an advisor at the destination university. Preparatory courses for a **Construction Management** major vary, depending on the institution. The quarter before expected completion, this checklist should be submitted with a diploma application to the Enrollment Services Office. This checklist refers to requirements listed in the curriculum guide titled "Associate in Arts and Sciences – Option II", which lists all the courses which are approved for the various categories of requirements. Note: Though courses in a foreign language are not required in the Option II degree, some universities may require two or three quarters of foreign language for admission or for graduation. PLEASE SEE COURSE RECOMMENDATIONS ON THE REVERSE SIDE.

Student Name: _____ Advisor Signature: _____ Date: _____

- PROFICIENCY in Intermediate Algebra _____
Where completed/Course Title Year Completed Grade
- COMPLETION of Diversity Course _____
Where completed/Course Title Year Completed Grade

Course Number	Course Title	Credits	Quarter Completed	Grade
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BASIC COMMUNICATIONS SKILLS (10 credits total, at least 6 in English Composition.)

ENGL& 101	English Composition I	5		

BASIC QUANTITATIVE SKILLS (5 credits from the Option II approved Quantitative Skills list.)

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HUMANITIES (15 credits from the Option II approved Humanities List. See Note 1.)

CMST& 220 [SPCH 101]	Public Speaking	5		

SOCIAL SCIENCES (15 credits from the Option II approved Social Sciences List. See Note 1.)

NATURAL SCIENCES (15 credits from the Option II approved Natural Sciences List, including at least one lab science class. See Note 1.)

SUGGESTED ELECTIVES – (A maximum of 30 credits may be completed in electives. All electives may be selected from the A list, or from a combination of the A and B lists; a maximum of 15 credits from the B list may be used.)

A List Course	Credits	Qtr Completed	B List Course	Credits	Qtr Completed

Total: Minimum 90 credits required, with a 2.0 minimum GPA.

Note 1: See recommendations on the reverse side of this guide. Courses must be from three different disciplines. No more than 10 credits in any one discipline may be used in Humanities, Social Science, and Natural Science. To be an effective transfer student to the University of Washington, students should take 20 credits each in the Humanities, Social Sciences and Sciences.