

Statewide Construction Management DTA/MRP Agreement November 2007

This agreement is applicable to transfer students planning to prepare for American Council for Construction Education (ACCE) accredited (<http://www.acce-hq.org/index.htm>) majors in Construction Management at Central Washington University (CWU), Washington State University, Pullman (WSU) and University of Washington, Seattle (UWS). It also provides information for transfer to Eastern Washington University's (EWU) BS in Technology, Construction Management.

This document represents an agreement that meets all requirements of Washington's Direct Transfer Agreement and preparation for the major in Construction Management. It is an agreement between the baccalaureate institutions offering the construction management major and the community and technical colleges in Washington. Construction Management majors are offered by CWU, WSU, UWS and EWU.

Community and technical colleges offering the Construction Management DTA/MRP agree:

- That in offering the Construction Management DTA/MRP each college will assure that the courses listed in their DTA/MRP for each requirement specified in this agreement are regarded as course equivalents to the similar required lower division course offered by each baccalaureate institution party to the agreement.
- When the CTC lists the Construction Management DTA/MRP in their catalog they will specify the courses that are consistent with this agreement.
- When the CTC lists the Construction Management DTA/MRP in their catalog they will specify that entry to Construction Management majors is selective, that students typically require a higher minimum overall GPA than the minimum 2.00 for the general DTA, that each institution establishes minimum grade-point average requirements for the overall degree and for the specified course and that students need to check criteria for selection by connecting with their future institution.
- When the CTC awards the Construction Management DTA/MRP, for purposes of clarity on the transcript and use by SBCTC for reporting, the college will designate completion as follows for clarity on the transcript and use by SBCTC for tracking reporting purposes:
 - Assoc in Const Mgmt DTA/MRP Exit Code D (eventually will be Exit Code V) and EPC code CM and CIP of 52.2001 (college must enter both CIP and EPC)
- If a CTC finds that changes to the MRP are needed, they will notify the Instruction Commission, which will, in turn, notify the Joint Access Oversight Group (JAOG). JAOG will review the changes consistent with review process described on the JAOG web site <http://www.sbctc.ctc.edu/college/e-transferjaog.htm>
- The published associate degree listing will include advice to students about contacting potential transfer institutions regarding their interests and specific course choices in each case where options are listed.

The participating baccalaureate institutions agree:

- Students completing the specified DTA/MRP, if admitted to the university, will be admitted as juniors with all or most prerequisites for the construction management major completed.
- Students completing the specified DTA, if admitted to the university, will be regarded as having completed the lower division general education courses to the same extent that all DTA graduates have completed those requirements (that is, completed except as noted in the DTA provisos).
- Baccalaureate institutions will apply the maximum of 95 to 105 quarter credits (depending on the receiving institution) required under the agreement to the credits required in the bachelor's degree, subject to institutional policy on the transfer of lower division credits.
- Should any baccalaureate institution not require lower division courses specified in the agreement that institution agrees to accept such courses specified in the agreement as lower division electives or in some limited cases as an equivalent to required upper division courses.
- Baccalaureate institutions will each build an **alert mechanism** into their curriculum review process for changes related to the prerequisites for the construction management degree.
 - The alert will go to the institution's JAOG member.
 - If the proposed change will affect lower division course taking, the JAOG member will bring the issue to JAOG attention for action to review or update this Major Related Program agreement.
- Prior to making changes in the admission requirements, institutions agree to participate in the JAOG-designed **review process** and to abide by the related implementation timelines (review process posted on the JAOG web site <http://www.sbctc.ctc.edu/college/e-transferjaog.htm>).
- This statewide process applies only to changes¹ in the requirements for admission to the major. References to changes do not include changes in graduation requirements that are completed at the upper division or the GPA an institution may establish for admission to a program.

JAOG agrees:

- JAOG will notify the Higher Education Coordinating Board (HECB) of the review and of subsequent changes made to the agreement.

¹ As judged by impact on students. This statewide process is called into play when potential majors need to complete specific courses not previously identified or present test results or information not included in the agreement.

Associate in Construction Management DTA/MRP

This DTA agreement is for a student planning transfer to, CWU, UWS, and WSU for a major in Construction Management (American Council for Construction Education (ACCE) accredited programs - <http://www.acce-hq.org/index.htm>). It also provides information for transfer to EWU's BS in Technology, Construction Management.

Generic DTA Requirements	Associate in Construction Management DTA/MRP
I. Be issued only to students who have earned a cumulative grade point average of at least 2.00, as calculated by the degree awarding institution.	<p>Construction management preparation programs typically require a higher minimum overall GPA than the minimum 2.00.</p> <p>Each institution establishes minimum grade-point average requirements for the overall degree and for the specified course.</p> <p>Students must apply for entry to the institution and to the CM programs at CWU, UW and WSU. Acceptance is selective. Students need to check criteria for selection by connecting with their future institution</p>
II. Be based on 90 quarter hours of transferable credit including:	Maximum of 95 to 105 quarter credits (see table 1)
1. <u>Communication Skills</u>	<p>10 credits</p> <ul style="list-style-type: none"> • 5 quarter credits <u>English composition</u> (equivalent to ENGL& 101 English Composition 1²) • 5 quarter credits in <u>Technical Writing</u> (equivalent to ENGL 235& Technical Writing) <u>or a second English composition course</u> (equivalent to ENGL& 102 English Composition 2). <p>Note: CWU requires ENGL& 102 for program acceptance.</p>

² Discipline abbreviations, numbers and courses numbers are based on the CTC Common Course Numbering System – see <http://apps.sbctc.ctc.edu/ccn/>. The CCN System, designed to smooth transfer within the CTC system, will be in use for students enrolled in 2008-09. The website provides a look-up crosswalk to the courses at each college currently regarded as equivalent to the CCN course.

<p>2. a. <u>Quantitative/Symbolic Reasoning Skills</u> 2. b. <u>Intermediate Algebra Proficiency</u></p>	<p>5 credits</p> <ul style="list-style-type: none"> • 5 quarter credits <u>Calculus I or higher</u> (equivalent to MATH& 151 or higher)³
<p>3. <u>Humanities</u>¹</p>	<p>15 credits</p> <ul style="list-style-type: none"> • 5 quarter credits <u>Public Speaking</u> (course equivalent to CMST& 220 Intro to Public Speaking) • 10 credits other humanities classes - at least one class must be in a field other than speech and no more than 5 credits may be in a world language, ASL and no more than 5 credits in a performance /skills class.
<p>4. <u>Social Sciences</u>¹</p>	<p>15 credits</p> <ul style="list-style-type: none"> • 5 quarter credits <u>Business Law</u> (course equivalent to BUS& 201 Business Law) • 5 quarter credits <u>Economics</u> (course equivalent to ECON& 201 Micro Economics or ECON& 202 Macro Economics) • <u>5 additional quarter credits</u> in social sciences <p>Note: WSU requires both ECON& 201 and 202.</p>
<p>5. <u>Natural Sciences</u>¹</p>	<p>15 to 30 credits:</p> <ul style="list-style-type: none"> • 5 quarter credits <u>Geology</u> (equivalent to GEOL& 101 Intro to Physical Geology) • 5 quarter credits <u>General OR Engineering Physics I</u> (equivalent to PHYS& 221/232- Engineering Physics I plus lab or PHYS& 121/131 General Physics I plus lab); • <u>5-20 additional quarter credits</u> selected only from the following list depending on the expected institution: <p>UWS: 20 credits - Statistics (course equivalent to MATH& 146 Introduction to Stats) AND General or Engineering Physics II (equivalent to PHYS& 222/232- Engineering Physics II plus lab or PHYS& 122/132 General Physics II plus lab) AND 10 additional quarter credits in natural sciences/math at the student's choice or see electives list.</p>

³ Note: Calculus is required for preparation for junior level course work at UW, WSU and CWU. Students seeking admission only to EWU may complete a DTA generally following this guideline but with pre-calculus only. Students with only a pre-calculus background will not have met the requirements of this statewide agreement for preparation to UW, WSU or CWU.

	<p>WSU: 10 credits - Calculus II (equivalent to MATH& 152) AND General OR Engineering Physics II (equivalent to PHYS& 222/232- Engineering Physics II plus lab or PHYS& 122/132 General Physics II plus lab)</p> <p>CWU: 10 credits - Calculus II (equivalent to MATH& 152) AND General Chemistry (equivalent to CHEM& 141/151 General Chemistry I (lecture and lab) or CHEM& 161 General Chem w/Lab I)</p> <p>EWU: 5 credits - General Chemistry (equivalent to CHEM& 141/151 General Chemistry I (lecture and lab) or CHEM& 161 General Chem w/Lab I)</p>
<p>6. <u>Construction Management Course Work</u></p>	<p>13-18 credits</p> <ul style="list-style-type: none"> • 10 quarter credits Financial Accounting (courses equivalent to ACCT& 201-202 Prin of Accounting I, II) • 3 to 8 additional credits depending on future institution <p>UWS: 8 credits - 5 credits of Managerial Accounting – (course equivalent to ACCT& 203 Prin of Accounting III) AND 3 credits of Architectural CAD or Engineering graphics (Courses equivalent to ENGR& 111, or ENGR& 114 or ENGR& 121 Engineering Graphics) – a course that includes 3-D graphics such as AutoCAD or SolidWorks.</p> <p>WSU, CWU & EWU: Recommend 3 quarter credits of Architectural CAD or Engineering graphics. Course is not required, however. Students may select 3 credits for the recommended electives list that best fit their future university.</p>
<p>7. <u>Electives</u></p>	<p>Not more than 20 quarter credits depending on institution transferring to. (See table 1). Recommended courses to select as electives:</p> <p>3 quarter credits Introduction to Construction Management (required at CWU & UW; however can be taken in fall of junior year)</p> <p><u>Engineering courses:</u> Structures I (equivalent to ENGR& 214 Statics) Structures II (equivalent to ENGR& 225 Mechanics of Materials) Materials I & II (as offered by Edmonds CC, available as online course)</p>

	<p>Surveying</p> <p><u>Math courses</u></p> <p>Pre-calculus (if needed) (equivalent to MATH& 141 and 142)</p> <p>Statistics (course equivalent to MATH& 146 Introduction to Stats)</p> <p>Calculus II (equivalent to MATH& 152)</p> <p><u>Science courses</u></p> <p>General Chemistry (equivalent to CHEM& 141/151 General Chemistry I (lecture and lab) or CHEM& 161 General Chem w/Lab I)</p> <p>General OR Engineering Physics II (equivalent to PHYS& 222/232- Engineering Physics II plus lab or PHYS& 122/132 General Physics II plus lab)</p> <p><u>Environmental Science courses (any of the following)</u></p> <p>ENVS& 100 Survey of Env Science</p> <p>ENVS& 101 Intro to Env Science</p> <p>Other ENVS courses</p> <p>Other college-level courses, of which a maximum of 5 credits may be in college-level courses as defined by the community college and the remainder, shall be fully transferable as defined by the receiving institution.</p>
<p>NOTES</p> <p>¹A specific course may be credited toward no more than one distribution or skill area requirement.</p>	<p>NOTE</p> <p>The same note applies to the Construction Management MRP.</p>

Table 1 – Transfer Credits Required by Receiving Institution

Credits by Institution	UWS	WSU	CWU	EWU
Communications & Quantitative	10, 5	10, 5	10, 5	10,5
Humanities & Social Science	15, 15	15, 15	15, 15	15, 15
Natural Science	30	20	20	15
Major Specific	18	13	13	13
Electives	2	12	12	17
Minimum degree total	95	90	90	90
Maximum transferable credits	95	95	105	105

APPENDIX A

Associate in Construction Management DTA/MRP

Participants to the Agreement

The Joint Access Oversight Group (JAOG) reviewed this agreement December 6, 2007 and forwarded it for approval by the chief academic officers and deans of programs including Construction Management at CWU, WSU Pullman, UW Seattle, and EWU and the Instruction Commission representing the chief academic officers of the public community and technical colleges.

The **Instruction Commission, on behalf of the Washington State Community and Technical Colleges**, approved this agreement on February 14, 2008 (see the February 14-15, 2008 meeting minutes available online at http://www.sbctc.ctc.edu/college/_g-icmtgmins.aspx). Listing of the Community and Technical Colleges offering the Associate in Construction Management DTA/MRP are available from the State Board for Community and Technical Colleges at http://www.sbctc.ctc.edu/college/e_transfer.aspx

Baccalaureate signatures are on file at the Higher Education Coordinating Board for CWU, WSU Pullman, UW Seattle, and EWU.

APPENDIX B

Construction Management MRP Workgroup Participants

Co-chairs: William (Bill) Bender, CWU & Frank Lee, Bellevue CC

Community and Technical Colleges:

Jo Ann Baria, Tom Phelps and Jon Grote, Pierce College, Fort Steilacoom

Gay Kiesling, Renton Technical College

David Chalif, Ed van der Bogert, Edmonds CC

Maury Fortney, Walla Walla CC

Baccalaureate Institutions:

Bill Bender, CWU

Mick Brzoska and Donald Richter, EWU

John Schaufelberger, UWS

W. Max Kirk & Greg Kessler, WSU

Staff Support:

Loretta Seppanen

Andi Smith

Cindy Morana

Joint Access Oversight Group Members

Randy Lawrence, Vice President of Instruction, Olympic College, Co-Chair

Jane Sherman, Vice Provost for Academic Policy and Evaluation, WSU, Co-Chair

Bill Eaton, Senior Vice President of Educational Services, Peninsula College

Ivan Gorne, Vice President, Student Services, Bates Technical College

Patricia Onion, Vice President for Educational Services, Whatcom Community College,

Pam Praeger, Vice President for Learning/Chief Academic Officer, Spokane Falls Community College

Laurie Kaye Clary, Vice President of Instruction, Grays Harbor College

Rassoul Dastmozd, Vice President of Instruction, Clark College

Richard Fulton, Vice President of Instruction, Whatcom Community College

Sandra Fowler Hill, Vice President of Instruction, Everett Community College

Tracy Pellett, Associate Vice President for Undergraduate Studies, CWU

Kris Bulcroft, Vice Provost for Undergraduate Education, WWU

John Sahr, Associate Dean, Undergraduate Academic Affairs, UW

Larry Briggs, Associate Vice President for Enrollment Services, EWU

Doug Scrima, Director of Admissions, TESC

Brad Tomhave, Registrar, UPS

Vi Boyer, President and CEO Independent Colleges of Washington -

Randy Spaulding, Director, Academic Affairs, HECB

Loretta Seppanen, Assistant Director, Educational Services, SBCTC

Cindy Morana, Associate Director, COP

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The **Instruction Commission, on behalf of the Washington State Community and Technical Colleges**, approved this agreement on February 14, 2008.

Approved by the Baccalaureate Institutions:

_____ **Date** _____
Dean, Central Washington University

_____ **Date** _____
Provost/Chief Academic Officer. Central Washington University

_____ **Date** _____
Dean, Eastern Washington University

_____ **Date** _____
Provost/Chief Academic Officer. Eastern Washington University

_____ **Date** _____
Dean, Washington State University

_____ **Date** _____
Provost/Chief Academic Officer. Washington State University

_____ **Date** _____
Dean, University of Washington, Seattle

_____ **Date** _____
Provost/Chief Academic Officer, University of Washington

These baccalaureate signatures are kept on file at the Higher Education Coordinating Board for CWU, WSU Pullman, UW Seattle, and EWU. The Instruction Commission approval is included in the minutes of the February 14-15, 2008 meeting available online at http://www.sbctc.ctc.edu/college/_g-icmtgmins.aspx