

**WCC General Education Requirements**  
Effective Fall 2018

Associate degree programs were updated to meet the revised WCC general education requirements below.

**Course Distribution Requirements**

Associate degree students must complete courses from each of six General Education content areas. The requirements vary, depending on which degree is being earned. The number of general education credit hours required for each degree is as follows.

	AA	AS	AAS
Writing/Composition	3-4 credits	3-4 credits	3-4 credits
2nd Writing/Composition or Communication	3-4 credits	3 credits	3 credits
Mathematics	3-4 credits	3-4 credits	3-4 credits
Natural Sciences <sup>1</sup>	7-8 credits	7-8 credits	3-4 credits
Social & Behavioral Science <sup>2</sup>	6 credits	6 credits	3 credits
Arts and Humanities <sup>3</sup>	6 credits	6 credits	3 credits
General Education Electives to reach 30 credits	0-2 credits	0-2 credits	N/A
Minimum	30 credits	30 credits	18 credits

<sup>1</sup> Two courses in Natural Science including one with laboratory experience (from two disciplines)

<sup>2</sup> From two disciplines

<sup>3</sup> From two disciplines

**Program Information Report****School of Apprenticeship and Occupational Studies**

Find a trade-related associate's degree program that builds on your professional abilities while giving you the knowledge and skills needed to move into organizational leadership.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

The next level, an Associate in Applied Science, is available for some programs.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate and General Education requirements.

**Articulated Union Building Trade Apprenticeship Programs**

These programs are restricted to members of approved union building trade apprenticeship programs, including United Association (UA).

**Construction Supervision (ASCNSV)****Associate in Science Degree**

**Program Effective Term: Fall 2018**

**High Demand Occupation High Skill Occupation High Wage Occupation**

**Program is also available online**

This program gives apprentice and journey-level members of the articulated union building trade apprenticeship programs the opportunity to apply their apprenticeship training and trade-related experience toward an associate's degree in Construction Supervision. In addition to the courses in Construction Supervision, students will complete general education courses and receive nontraditional credit for their work experience and apprenticeship.

Students must complete an apprenticeship program concentration in plumbing, pipefitting, HVAC, sprinkler fitting, ironworking, bricklaying, tile setting or other approved union building trade. Upon completion of this, students should apply for prior learning credit evaluation of their apprenticeship experiences to meet the apprentice program concentration requirement (19-26 credits).

**Architectural and Ornamental Ironworker (AOIW)**

IWA 120  
IWA 122  
IWA 131  
IWA 161  
IWA 201  
IWA 224  
IWA 265

**Brick and Block Laying Apprenticeship (BBLA)**

BAC 100  
BAC 101  
BAC 102  
BAC 110  
BAC 111  
BAC 112  
BAC 210  
BAC 211  
BAC 212  
BAC 213

**HVAC Specialty (HVTC)**

UAE 140  
UAE 142  
UAE 144  
UAE 146  
UAE 148  
UAE 150  
UAE 152  
UAE 154  
UAE 156  
UAE 158

## Program Information Report

### Journeyman Ironworker (JMIW)

IWA 120  
IWA 122  
IWA 131  
IWA 141  
IWA 155  
IWA 161  
IWA 172  
IWA 201  
IWA 224  
IWA 272

### Metal Building Erector (MTBE)

IWA 120  
IWA 122  
IWA 131  
IWA 161  
IWA 172  
IWA 201  
IWA 224  
IWA 235

### Pipefitter Specialty (PIPE)

UAF 102  
UAF 120  
UAF 122  
UAF 124  
UAF 126  
UAF 128  
UAF 130  
UAF 132  
UAF 134  
UAF 136

### Plumber Specialty (PLUM)

UAP 100  
UAP 102  
UAP 104  
UAP 106  
UAP 108  
UAP 110  
UAP 112  
UAP 114  
UAP 116  
UAP 118

### Reinforcing Ironworker (REIW)

IWA 120  
IWA 122  
IWA 141  
IWA 201  
IWA 224  
IWA 241

### Rigger/Machinery Mover (RGMM)

IWA 120  
IWA 122  
IWA 151  
IWA 155  
IWA 191  
IWA 201  
IWA 224

### Sprinkler Fitter Specialty (SPRF)

UAR 160

**Program Information Report**

- UAR 162
- UAR 164
- UAR 166
- UAR 168
- UAR 170
- UAR 172
- UAR 174
- UAR 176
- UAR 178

**Tile Mechanics (TILM)**

- BAC 100
- BAC 101
- BAC 102
- BAC 120
- BAC 121
- BAC 122
- BAC 220
- BAC 221
- BAC 222
- BAC 223

**Articulation:**

Eastern Michigan University, several BS degrees;  
International Masonry Institute, Certified Masonry Construction program.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:  
<http://www.wccnet.edu/curriculum/articulation/levelone/colleges/>.

**Program Admission Requirements:**

The program is only open to active members of articulated union building trade apprenticeship programs.

First Semester		(16 credits)
UAS 111	Construction Supervision I: Motivating Employees	3
	Math Elective(s)	3
	Nat. Sci. Elective(s)	3
	Writing Elective(s) 1	4
	Union Approved Apprenticeship	3
Second Semester		(16 credits)
UAS 122	Construction Supervision II: Supervisory Skills	3
UAS 210	Construction Supervision III: Legal and Personnel Aspects	3
	Arts/Human. Elective(s) 1	3
	Soc. Sci. Elective(s) 1	3
	Union Approved Apprenticeship	4
Third Semester		(15 credits)
UAS 222	Construction Supervision IV: The Construction Project	3
	Arts/Human. Elective(s) 2	3
Elective	Nat. Sci. Lab Elective(s)	3
Elective	General Education Elective(s) (0-2 credits) to reach a minimum 30 General Education Credits	2
	Union Approved Apprenticeship	4
Fourth Semester		(17 credits)
UAS 230	Construction Supervision V: Scheduling and Project Management	3
	Soc. Sci. Elective(s) 2	3
	Speech/Comp. Elective(s)*	3
	Union Approved Apprenticeship	8

**Minimum Credits Required for the Program: 64**

**Notes:**

\*UA students may use UAT 210 Public Speaking (1.5 credits) and UAT 213 Planning and Presenting Lessons (1.5 credits). All others

## **Program Information Report**

*should complete an approved Second Writing/Composition or Speech course from the approved list.*

done 1/16/18  
NW

**WASHTENAW COMMUNITY COLLEGE**  
**GENERAL EDUCATION REVISION PROGRAM CHANGE FORM**  
**FOR AA AND AS PROGRAMS 2018-2019**

Program Code: <u>ASCSV</u>	Program Name: <u>Construction Superd.</u>
Division Code: <u>ATP</u>	Department: <u>JA</u>

This form is to be used only for General Education Revision Program Changes for Associate in Arts (AA) and Associate in Science (AS) programs. Any other program changes should be submitted separately using a standard Program Change Form.

**Directions:**


1. Review each general education area under **Requested Changes** below and respond as needed.
2. Attach the semester program layout showing the current program listing from the WCC catalog.
  - a. Indicate any changes to be made on the semester layout.
  - b. Draw a line through any courses that should be removed on the semester layout.
  - c. Write in any courses that need to be added on the semester layout.
3. Submit this form and semester program layout to the Office of Curriculum and Assessment (SC 257).

Current General Education Requirements AA and AS	Revised General Education Requirements 2018-2019 AA and AS
Writing 6 - 7 credits	English Composition 3 - 4 credits
Speech 3 credits	2 <sup>nd</sup> Course in English Composition or one course in Communication 3 - 4 credits
Mathematics 3 - 4 credits	Mathematics 3 - 4 credits
Natural Sciences 3 - 4 credits	Natural Sciences from 2 disciplines including one lab course 7 - 9 credits
Social & Behavioral Sciences 6 credits	Social & Behavioral Sciences from 2 disciplines 6 credits
Arts & Humanities 6 credits	Arts & Humanities from 2 disciplines 6 credits
Critical Thinking 0 credits	Elective Credits to reach a minimum of 30 credit hours 0 - 3 credits
Computer & Information Literacy 3 credits	Total 30 credits
Total 30 - 33 credits	

Please review each General Education Area in the chart below, and record the needed changes in the chart and on the attached semester layout.

REQUESTED CHANGES	
	General Education Area
	<p><b>English Composition</b> – The requirement for one writing/English composition course remains the same. No changes will be made unless specifically requested below. (Use Writing Elective or ENG 111)</p> <p>Optional Change:</p>
	<p><b>2<sup>nd</sup> Course in English Composition or one course in Communication</b> WCC previously required both a second composition/writing course and a communication course. Your options are:</p> <ol style="list-style-type: none"> <li>1. Allow students to select any course that meets composition/writing or communication (<i>recommended</i>).</li> <li>2. Require students to take a specific composition course (identify course below and on semester layout).</li> <li>3. Require students to take a specific communication course (identify course below and on semester layout).</li> </ol> <p style="text-align: center;"><u>UAT 210-213</u></p>

Requested Change:
<p><b>2<sup>nd</sup> Course in English Composition or one course in Communication Credit Hours</b>          Because of this change, an extra 3 – 4 credit hours may be available in the program. Please specify how you would like to use those credit hours. Your options are:</p> <ol style="list-style-type: none"> <li>1. Reduce the number of credit hours if the program total is over 60 (<i>recommended</i>).</li> <li>2. Replace the course with elective credits as needed to reach a minimum of 60 credit hours.</li> <li>3. Add a specific program-related course (<i>please add the course in the semester it should be taken on the semester layout</i>).</li> </ol> <p>Requested Change:</p>
<p><b>Mathematics</b> – The requirement for one mathematics course remains the same. However, the courses that meet the MTA requirement have changed slightly. MTH 148, 149 and 167 do not meet the general education requirement for AA or AS degrees. Please identify an alternate course or list “Math elective”.</p> <p>Optional Change:</p>
<p><b>Natural Sciences from 2 disciplines including one lab course</b>          WCC previously required one natural science course. Your options are:</p> <ol style="list-style-type: none"> <li>1. No change needed – a second natural science course is already included in my program.</li> <li>2. Add a second natural science course in the semester shown on the semester layout attached. Unless specific courses are required, include one course identified as a lab science course.</li> </ol> <p>Requested Change:</p>
<p><b>Social &amp; Behavioral Sciences from 2 disciplines</b> – The requirement for two social and behavioral science courses remains the same. No changes will be made unless specifically requested below.</p> <p>Optional Change:</p>
<p><b>Arts &amp; Humanities from 2 disciplines</b> – The requirement for two arts and humanities courses remains the same. No changes will be made unless specifically requested below. (Note: A department can designate a COM course as a requirement here. The same course cannot be counted in two areas.)</p> <p>Optional Change:</p>
<p><b>Computer and Information Literacy</b>          The requirement for computer and information literacy has been removed. Your options are:</p> <ol style="list-style-type: none"> <li>1. Continue to require a specific computer course. If a specific course is required in your program, we will leave it there. If you previously used “Computer and Information Literacy Course,” you will need to specify either a specific course or a list of courses from which to choose.</li> <li>2. Remove the computer and information literacy course if the program will still meet the minimum of 60 credit hours.</li> <li>3. Remove the computer and information literacy course and replace the course with elective or other credits as needed to meet the minimum of 60 credit hours.</li> </ol> <p>Required Change:</p>
<p><b>Elective Credits to reach a minimum of 30 credit hours</b> – A course titled “General Education Credit(s) to Reach a Minimum of 30 Credit Hours” will be created and then added as needed to the program.</p>

Reviewer	Print Name	Signature	Date
Initiator			
Department Chair			
Division Dean/ Administrator			
Vice President for Instruction	Kemberly Hurns		1/9/18

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: ASCNSV Program Name: Construction Supervision (AS)

Effective Term: Fall 2013

Division Code: UASD Department: Union Approved Supervision (UAS)

**Directions:**

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

- |  |   |
|--|---|
| <input type="checkbox"/> Review                          | <input type="checkbox"/> Program admission requirements   |
| <input type="checkbox"/> Remove course(s): _____         | <input type="checkbox"/> Continuing eligibility requirements  |
| <input type="checkbox"/> Add course(s): _____            | <input checked="" type="checkbox"/> Program outcomes  |
| <input type="checkbox"/> Program title (title was _____) | <input type="checkbox"/> Accreditation information  |
| <input type="checkbox"/> Description                     | <input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| <input type="checkbox"/> Type of award                   | <input checked="" type="checkbox"/> Other Math 160 or Math 169 (or higher) _____  |
| <input checked="" type="checkbox"/> Advisors             |   |
| <input type="checkbox"/> Articulation information        |   |

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**

Upon completion of the Fall 2012 program assessment, there were some weaknesses in the assessment plan that needed to be corrected.

**Financial/staffing/equipment/space implications:**

N/A

**List departments that have been consulted regarding their use of this program.**

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Cheryl Byrne		3-11-2013
Department Chair			
Division Dean/Administrator	JAMES C. EGAN		3/12/2013
Vice President for Instruction	William Abernethy		3/29/13
President			

Do not write in shaded area. Entered in: Banner \_\_\_\_\_ C&A Database 3/29/13 Log File 3/29/13 Board Approval \_\_\_\_\_

Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to [sjohn@wccnet.edu](mailto:sjohn@wccnet.edu) for posting on the website.

*logged 3/13/13 sjf*  
Office of Curriculum & Assessment



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**Construction Supervision (ASCNSV)****Associate in Science Degree**

**Program Effective Term: Fall 2013**

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IWA 120  
IWA 122  
IWA 131  
IWA 161  
IWA 201  
IWA 224  
IWA 265

## Brick and Block Laying Apprenticeship (BBLA)

BAC 100  
BAC 101  
BAC 102  
BAC 110  
BAC 111  
BAC 112  
BAC 210  
BAC 211  
BAC 212  
BAC 213

## HVAC Specialty (HVTC)

UAE 140  
UAE 142  
UAE 144  
UAE 146  
UAE 148  
UAE 150  
UAE 152  
UAE 154  
UAE 156  
UAE 158

**Program Information Report**

Journeyman Ironworker (JMIW)

IWA 120  
IWA 122  
IWA 131  
IWA 141  
IWA 155  
IWA 161  
IWA 172  
IWA 201  
IWA 224  
IWA 272

Metal Building Erector (MTBE)

IWA 120  
IWA 122  
IWA 131  
IWA 161  
IWA 172  
IWA 201  
IWA 224  
IWA 235

Pipefitter Specialty (PIPE)

UAF 102  
UAF 120  
UAF 122  
UAF 124  
UAF 126  
UAF 128  
UAF 130  
UAF 132  
UAF 134  
UAF 136

Plumber Specialty (PLUM)

UAP 100  
UAP 102  
UAP 104  
UAP 106  
UAP 108  
UAP 110  
UAP 112  
UAP 114  
UAP 116  
UAP 118

Reinforcing Ironworker (REIW)

IWA 120  
IWA 122  
IWA 141  
IWA 201  
IWA 224  
IWA 241

Rigger/Machinery Mover (RGMM)

IWA 120  
IWA 122  
IWA 151  
IWA 155  
IWA 191  
IWA 201  
IWA 224

Sprinkler Fitter Specialty (SPRF)

UAR 160

**Program Information Report**

UAR 162  
 UAR 164  
 UAR 166  
 UAR 168  
 UAR 170  
 UAR 172  
 UAR 174  
 UAR 176  
 UAR 178

Tile Mechanics (TILM)

BAC 100  
 BAC 101  
 BAC 102  
 BAC 120  
 BAC 121  
 BAC 122  
 BAC 220  
 BAC 221  
 BAC 222  
 BAC 223

**Articulation:**

Davenport University, Bachelor degree;  
 Eastern Michigan University, several BS degrees;  
 International Masonry Institute, Certified Masonry Construction program;  
 National Labor College, Bachelor degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:  
<http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

**Program Admission Requirements:**

The program is only open to active members of articulated union building trade apprenticeship programs.

**First Semester (17 credits)**

UAS 111	Construction Supervision I: Motivating Employees	3
	MTH 160 or MTH 169 or higher level MTH course	4
	Computer Lit. Elective(s)	3
	Writing 1 Elective(s)	4
	Union Approved Apprenticeship	3

**Second Semester (16 credits)**

UAS 122	Construction Supervision II: Supervisory Skills	3
UAS 210	Construction Supervision III: Legal and Personnel Aspects	3
	Arts/Human. 1 Elective(s)	3
	Soc. Sci. 1 Elective(s)	3
	Union Approved Apprenticeship	4

**Third Semester (17 credits)**

UAS 222	Construction Supervision IV: The Construction Project	3
	Arts/Human. 2 Elective(s)	3
	Nat. Sci. Must contain a lab	4
	Writing 2 Elective(s)	3
	Union Approved Apprenticeship	4

**Fourth Semester (17 credits)**

UAS 230	Construction Supervision V: Scheduling and Project Management	3
	Soc. Sci 2 Elective(s)	3
	Speech Elective(s)*	3
	Union Approved Apprenticeship	8

**Minimum Credits Required for the Program: 67**

**Notes:**

**Program Information Report**

*\*UA students may use UAT 210 Public Speaking (1.5 credits) and UAT 213 Planning and Presenting Lessons (1.5 credits)*

# ACADEMICS

## Construction Supervision (ASCNSV)

Associate in Science Degree

### *Description*

This program gives apprentice and journey-level members of the articulated union building trade apprenticeship programs the opportunity to apply their apprenticeship training and trade-related experience toward an associate's degree in Construction Supervision. In addition to the courses in Construction Supervision, students will complete general education courses and receive nontraditional credit for their work experience and apprenticeship.

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IWA 161  
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IWA 224  
IWA 265

#### Brick and Block Laying Apprenticeship (BBLA)

BAC 100  
BAC 101  
BAC 102  
BAC 110  
BAC 111  
BAC 112  
BAC 210  
BAC 211  
BAC 212  
BAC 213

#### HVAC Specialty (HVTTC)

UAE 140  
UAE 142  
UAE 144  
UAE 146  
UAE 148  
UAE 150  
UAE 152  
UAE 154  
UAE 156  
UAE 158

#### Journeyman Ironworker (JMIW)

IWA 120  
IWA 122  
IWA 131  
IWA 141  
IWA 155  
IWA 161  
IWA 172  
IWA 201  
IWA 224  
IWA 272

#### Metal Building Erector (MTBE)

IWA 120  
IWA 122

IWA 131  
IWA 161  
IWA 172  
IWA 201  
IWA 224  
IWA 235

## Pipefitter Specialty (PIPE)

UAF 102  
UAF 120  
UAF 122  
UAF 124  
UAF 126  
UAF 128  
UAF 130  
UAF 132  
UAF 134  
UAF 136

## Plumber Specialty (PLUM)

UAP 100  
UAP 102  
UAP 104  
UAP 106  
UAP 108  
UAP 110  
UAP 112  
UAP 114  
UAP 116  
UAP 118

## Reinforcing Ironworker (REIW)

IWA 120  
IWA 122  
IWA 141  
IWA 201  
IWA 224  
IWA 241

## Rigger/Machinery Mover (RGMM)

IWA 120  
IWA 122  
IWA 151  
IWA 155  
IWA 191  
IWA 201  
IWA 224

## Sprinkler Fitter Specialty (SPRF)

UAR 160  
UAR 162  
UAR 164  
UAR 166  
UAR 168  
UAR 170  
UAR 172  
UAR 174  
UAR 176  
UAR 178

## Tile Mechanics (TILM)

BAC 100  
BAC 101  
BAC 102  
BAC 120  
BAC 121  
BAC 122  
BAC 220

BAC 221  
BAC 222  
BAC 223

### Articulation

Davenport University, Bachelor degree;  
Eastern Michigan University, several BS degrees;  
International Masonry Institute, Certified Masonry Construction program;  
National Labor College, Bachelor degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:

[www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges](http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges).

### Admissions Requirements

The program is only open to active members of articulated union building trade apprenticeship programs.

### Contact Information

Division: ~~Adv Tech/Public Serv Careers~~  
Department: United Association Dept  
Advisors: Mike Griffith, ~~Scott Klapper~~

**(UASD) United Association Programs and Services**

### Requirements

#### First Semester

Class	Title	Credits
<u>UAS 111</u>	Construction Supervision I: Motivating Employees	3
	<del>MTH 160 (or higher)</del> <b>MTH 160<sup>or</sup> MTH 169 (or Higher)</b>	4
<u>Elective(s)</u>	<u>Computer and Information Literacy</u>	3
<u>Elective(s)</u>	<u>Writing 1</u>	4
	Union Approved Apprenticeship	3
<b>Total</b>		<b>17</b>

#### Second Semester

Class	Title	Credits
<u>UAS 122</u>	Construction Supervision II: Supervisory Skills	3
<u>UAS 210</u>	Construction Supervision III: Legal and Personnel Aspects	3
<u>Elective(s)</u>	<u>Arts and Humanities 1</u>	3
<u>Elective(s)</u>	<u>Social and Behavioral Science 1</u>	3
	Union Approved Apprenticeship	4
<b>Total</b>		<b>16</b>

#### Third Semester

Class	Title	Credits
<u>UAS 222</u>	Construction Supervision IV: The Construction Project	3
<u>Elective(s)</u>	<u>Arts and Humanities 2</u>	3
	Nat. Sci. Must contain a lab	4
<u>Elective(s)</u>	<u>Writing 2</u>	3
	Union Approved Apprenticeship	4
<b>Total</b>		<b>17</b>

#### Fourth Semester

Class	Title	Credits
<u>UAS 230</u>	Construction Supervision V: Scheduling and Project Management	3

	Soc. Sci 2 Elective(s)	3
<u>Elective(s)</u>	<u>Speech*</u>	3
	Union Approved Apprenticeship	8
<b>Total</b>		<b>17</b>
	<b>Total Credits Required:</b>	<b>67</b>

*Footnotes*

\*UA students may use UAT 210 Public Speaking (1.5 credits) and UAT 213 Planning and Presenting Lessons (1.5 credits)



PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: **ASCNSV** Program Name: **Construction Supervision (Associate in Science Degree)** Effective Term: **SS08**  
 Division Code: **HAT** Department: **UAS**

**Directions:**

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

- |  |   |
|--|---|
| <input type="checkbox"/> Review                          | <input checked="" type="checkbox"/> Program admission requirements  |
| <input type="checkbox"/> Remove course(s): _____         | <input type="checkbox"/> Continuing eligibility requirements  |
| <input type="checkbox"/> Add course(s): _____            | <input type="checkbox"/> Program outcomes   |
| <input type="checkbox"/> Program title (title was _____) | <input type="checkbox"/> Accreditation information  |
| <input checked="" type="checkbox"/> Description          | <input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| <input type="checkbox"/> Type of award                   | <input checked="" type="checkbox"/> Other <u>concentration statement</u>  |
| <input type="checkbox"/> Advisors                        |   |
| <input type="checkbox"/> Articulation information        |   |

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**

The current program description is too specific now that the scope of the Construction Supervision program has expanded. The UAS courses are now available for other union members.

**Financial/staffing/equipment/space implications:**

N/A

**List departments that have been consulted regarding their use of this program.**

N/A

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Gloria Eccleston	<i>G Eccleston</i>	3/10/08
Department Chair			
Division Dean/Administrator	Cheryl Byrne	<i>[Signature]</i>	3-10-08
Vice President for Instruction	Roger M. Palay	<i>Roger M. Palay</i>	4/3/08
President			

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Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to [sjohn@wccnet.edu](mailto:sjohn@wccnet.edu) for posting on the website.

Program Information Report

**School of Apprenticeship Studies**  
**United Association of Journeymen and Apprentices of the Plumbing and Pipefitting Industry of the United States and Canada**  
**Construction Supervision (ASCNSV)**

**Associate in Science Degree**

**Program Effective Term: Fall 2008**

This program gives apprentice and journey-level members of the United Association of Plumbers and Pipefitters and the International Union of Bricklayers and Allied Craftworkers the opportunity to apply their apprenticeship training and trade-related experience toward an associate's degree in Construction Supervision. In addition to the courses in Construction Supervision, students will complete general education courses and receive non-traditional credit for their work experience and apprenticeship.

**Articulation:**

- Davenport University, Bachelor degree
- Eastern Michigan University, several BS degrees
- International Masonry Institute, Certified Masonry Construction program
- National Labor College, BS degree

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

**Program Admission Requirements:**

The program is only open to active members of the United Association of Plumbers and Pipefitters and the International Union of Bricklayers and Allied Craftworkers.

General Education Requirements		(27 credits)
Writing	ENG 107, ENG 111, ENG 226	6-7
Speech	Elective(s)	3
Math	MTH 169 or higher	3-4
Nat. Sci.	Must contain a lab	3-4
Soc. Sci.	Elective(s)	6
Arts/Human.	Elective(s)	6

Major/Area Requirements		(15 credits)
UAS 111	Construction Supervision I: Motivating Employees	3
UAS 122	Construction Supervision II: Supervisory Skills	3
UAS 210	Construction Supervision III: Legal and Personnel Aspects	3
UAS 222	Construction Supervision IV: The Construction Project	3
UAS 230	Construction Supervision V: Scheduling and Project Management	3

**Minimum Option Credits Required for the Program: 26**

Complete an apprenticeship program concentration in plumbing, pipefitting, HVAC, or sprinkler fitting. Upon completion of this, students should apply for non-traditional credit evaluation of their apprenticeship experiences to meet the apprentice program concentration requirement.

**Construction Supervision Options**

HVAC Specialty (HVTC)		(26 credits)
UAE 140	Introduction to HVACR Service	3
UAE 142	Soldering and Brazing	3
UAE 144	Refrigeration	2
UAE 146	Air Conditioning	2
UAE 148	Electrical Controls	2
UAE 150	DC Electronics	2
UAE 152	Advanced Electrical Controls and Pneumatic Controls	3
UAE 154	Advanced Air Conditioning and Refrigeration	3
UAE 156	Air and Water Balancing and Motor Alignment	3
UAE 158	Advanced HVACR Practices	3

Pipefitter Specialty (PIPE)		(26 credits)
UAF 102	Introduction to Arc Welding, Soldering, and Brazing	3
UAF 120	Introduction to Pipefitter Practices	3
UAF 122	Drawing Interpretation and Plan Reading	2
UAF 124	Oxy Fuel Cutting and Shielded Arc Welding	2

**Program Information Report**

UAF 126	Hydronic Heating and Steam Systems	2
UAF 128	Refrigeration and Electrical Controls	2
UAF 130	Advanced SMAW Welding	3
UAF 132	Advanced Pipefitter Topics	3
UAF 134	Controls and Instrumentation	3
UAF 136	GTAW Welding	3

**Plumber Specialty (PLUM) (26 credits)**

UAP 100	Introduction to Plumbing Practices	3
UAP 102	Introduction to Arc Welding, Soldering, and Brazing	3
UAP 104	Drawing Interpretation and Plan Reading	2
UAP 106	Oxy Fuel Cutting and Shielded Arc Welding	2
UAP 108	Water Supply and Drainage	2
UAP 110	Customer Service Techniques	2
UAP 112	Plumbing Fixtures and Appliances	3
UAP 114	Plumbing Codes and Regulations	3
UAP 116	Medical Gas and Backflow Prevention Techniques	3
UAP 118	Advanced Plumbing Practices	3

**Sprinkler Fitter Specialty (SPRF) (26 credits)**

UAR 160	Introduction to Sprinkler Fitter Practices	3
UAR 162	Basic Drawing and Introduction to Automatic Sprinklers	3
UAR 164	Reading Automatic Sprinkler Piping Drawings	2
UAR 166	Installation of Sprinkler Systems	2
UAR 168	Architectural Working Drawings and Blueprint Reading for Sprinkler Fitters	2
UAR 170	Sprinkler Water Supply and The Automatic Sprinkler	2
UAR 172	Types of Fire Protection Systems and Alarms	3
UAR 174	Special Application Sprinkler Systems and Hydraulics	3
UAR 176	Human Relations	3
UAR 178	Technical Writing	3

**Minimum Credits Required for the Program: 68**

**Notes:**

*Students must meet the Computer and Information Literacy Graduation Requirement. See General Education Graduation Requirements in the WCC Bulletin.*

**PROGRAM CHANGE OR DISCONTINUATION FORM**

Program Code: ASCNSV Program Name: Construction Supervision

Effective Term: W '07  
SS '07

Division Code: HAT Department: UAS

**Directions:**

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

<input type="checkbox"/> Review	UAS 211: Construction Supervision III	<input type="checkbox"/> Program admission requirements
<input checked="" type="checkbox"/> Remove course(s):	UAS 226: Legal Aspects of Construction	<input type="checkbox"/> Continuing eligibility requirements
<input checked="" type="checkbox"/> Add course(s):		<input type="checkbox"/> Program outcomes
<input type="checkbox"/> Program title (title was _____)		<input type="checkbox"/> Accreditation information
<input checked="" type="checkbox"/> Description	UAS 210: Construction Supervision III Legal & Personnel Aspects	<input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses)
<input type="checkbox"/> Type of award		<input type="checkbox"/> Other _____
<input type="checkbox"/> Advisors	UAS 230: Construction Supervision Scheduling & Project Management	
<input type="checkbox"/> Articulation information		

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**

**Financial/staffing/equipment/space implications:**

**List departments that have been consulted regarding their use of this program.**

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Cheryl Byrnes		2.1.07
Department Chair			
Division Dean/Administrator			
Vice President for Instruction		Roger M. Pelayo	3/28/07
President	LARRY WHITWORTH	Larry Whitworth	3/29/07

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Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to [sjohn@wccnet.edu](mailto:sjohn@wccnet.edu) for posting on the website.

for logged 2/1/07 syj

## Construction Supervision (ASCNSV)

## Associate in Science Degree

### General Education Requirements (27 Credits)

Writing	ENG 107, ENG 111, ENG 226	6-7
Speech	Elective(s)	3
Math	Math 169 or higher	3-4
Nat. Sci.	Must contain a lab	3-4
Soc. Sci.	Elective(s)	6
Arts/Human.	Elective(s)	6

### Major/Area Requirements (15 Credits)

UAS 111: Construction Supervision I: Motivating Employees	3
UAS 122: Construction Supervision II: Supervisory Skills	3
UAS 210: Construction Supervision III: Legal and Personnel Aspects	3
UAS 222: Construction Supervision IV: The Construction Project	3
UAS 230: Construction Supervision V: Scheduling and Project Management	3

### Minimum Concentration/Option Credits Required for the Program: 26 Credits

Complete a specialization in plumbing, pipefitting, HVAC, or sprinkler fitting. Students should apply for non-traditional credit evaluation of their apprenticeship experiences to meet the specialization requirement.

### Construction Supervision Options

HVAC Specialty (HVTC)		(26 Credits)
UAE 140	Introduction to HVACR Service	3
UAE 142	Soldering and Brazing	3
UAE 144	Refrigeration	2
UAE 146	Air Conditioning	2
UAE 148	Electrical Controls	2
UAE 150	DC Electronics	2
UAE 152	Advanced Electrical Controls and Pneumatic Controls	3
UAE 154	Advanced Air Conditioning and Refrigeration	3
UAE 156	Air and Water Balancing and Motor Alignment	3
UAE 158	Advanced HVACR Practices	3

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### Construction Supervision (ASCNSV)

This program gives indentured apprentices and journeymen of the United Association of Plumbers and Pipefitters the opportunity to apply their work in a trade specialty toward an associate's degree in Construction Supervision. In addition to four courses in Construction Supervision, students will complete general education courses and receive non-traditional credit for their work experience in an area of specialization such as plumbing, pipefitting, HVAC, or sprinkler fitting.

### Program Admission Requirements:

The program is only open to United Association of Plumbers Apprentices/Journeymen.

### Continuing Eligibility Requirements:

Students must demonstrate basic computer literacy skills by successfully passing the Computer and Information Literacy Test. The test may be taken at any point during the program, but must be completed before graduating.

these

PROGRAM CHANGE FORM

Program Code: APCNSP ASCNSV Program Name: Construction Supervision (AS) Effective Term: 200509

**Directions:**

1. Attach the current program listing from the WCC catalog and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

- |  |  |
|--|--|
| <input type="checkbox"/> Remove _____ course(s)  | <input type="checkbox"/> Advisors                            |
| <input checked="" type="checkbox"/> Add _____ course(s)  | <input type="checkbox"/> Articulation information            |
| <input checked="" type="checkbox"/> Total program credits: Current credits _____ After changes <u>68</u> | <input type="checkbox"/> Program admission requirements      |
| <input type="checkbox"/> Program Title (title was _____)   | <input type="checkbox"/> Continuing eligibility requirements |
| <input type="checkbox"/> Description   | <input type="checkbox"/> Program outcomes                    |
| <input type="checkbox"/> Type of award   | Other <u>see rationale</u>                                   |

Show all changes on the attached page from the catalog.

**Rationale for proposed changes:**

To update incorrect information and add specialization breakdowns.

**Financial/staffing/equipment/space implications:**

None

**List departments that have been consulted regarding their use of this program.**

UA Programs and Services

**Signatures:**

Reviewer	Print Name	Signature	Date
Program Change Initiator	MIKE GRIFFITH	<i>Mike Griffith</i>	3/23/05
Department Chair	Daniel Welch	<i>D. Welch</i>	3/23/05
Division Dean/Administrator			
Vice President of Instruction	<i>VS</i>	<i>Roger M. Palany</i>	4/25/05

Please submit completed form to the Office of Curriculum and Assessment.

# United Association

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## Construction Supervision (ASCNSV) Associate in Science Degree

'UNDER CONSTRUCTION'

Program Effective Term: Fall 2005

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This program gives indentured apprentices and journeymen of the United Association of Plumbers and Pipefitters the opportunity to apply their work in a trade specialty toward an associate's degree in Construction Supervision. In addition to four courses in Construction Supervision, students will complete general education courses and receive non-traditional credit for their work experience in an area of specialization such as plumbing, pipefitting, HVAC, or sprinkler fitting.

### Program Admission Requirements:

The program is only open to United Association of Plumbers Apprentices/Journeymen.

### Continuing Eligibility Requirements:

Students must demonstrate basic computer literacy skills by successfully passing the Computer and Information Literacy Test. The test may be taken at any point during the program, but must be completed before graduating.

### General Education Requirements (27 credits)

Writing	ENG 107, ENG 111, ENG 226	6-7
Speech	Elective(s)	3
Math	Math 169 or higher	3-4
Nat. Sci.	Must contain a lab	3-4
Soc. Sci.	Elective(s)	6
Arts/Human.	Elective(s)	6

### Major/Area Requirements (15 credits)

UAS 111	Introduction to Construction Supervision I	3
UAS 122	Construction Supervision II	3
UAS 211	Construction Supervision III	3
UAS 222	Project Management in the Construction Industry	3
UAS 226	Legal Aspects of Construction	3

**Minimum Concentration/Option Credits  
Required for the Program:**

26

Complete a specialization in plumbing, pipefitting, HVAC, or sprinkler fitting. Students should apply for non-traditional credit evaluation of their apprenticeship experiences to meet the specialization requirement.

**Minimum Credits Required for the Program**

68

## Construction Supervision Options

### HVAC Specialty (HVTC) (26 Credits)

UAE 140	Introduction to HVACR Service	3
UAE 142	Soldering and Brazing	3
UAE 144	Refrigeration	2
UAE 146	Air Conditioning	2
UAE 148	Electrical Controls	2
UAE 150	DC Electronics	2
UAE 152	Advanced Electrical Controls and Pneumatic Controls	3
UAE 154	Advanced Air Conditioning and Refrigeration	3
UAE 156	Air and Water Balancing and Motor Alignment	3
UAE 158	Advanced HVACR Practices	3

### Pipefitter Specialty (PIPE) (26 Credits)

UAF 102	Introduction to Arc Welding, Soldering, and Brazing	3
UAF 120	Introduction to Pipefitter Practices	3
UAF 122	Drawing Interpretation and Plan Reading	2
UAF 124	Oxy Fuel Cutting and Shielded Arc Welding	2
UAF 126	Hydronic Heating and Steam Systems	2
UAF 128	Refrigeration and Electrical Controls	2
UAF 130	Advanced SMAW Welding	3
UAF 132	Advanced Pipefitter Topics	3
UAF 134	Controls and Instrumentation	3
UAF 136	GTAW Welding	3

### Plumber Specialty (PLUM) (26 Credits)

UAP 100	Introduction to Plumbing Practices	3
UAP 102	Introduction to Arc Welding, Soldering, and Brazing	3
UAP 104	Drawing Interpretation and Plan Reading	2
UAP 106	Oxy Fuel Cutting and Shielded Arc Welding	2
UAP 108	Water Supply and Drainage	2
UAP 110	Customer Service Techniques	2
UAP 112	Plumbing Fixtures and Appliances	3
UAP 114	Plumbing Codes and Regulations	3
UAP 116	Medical Gas and Backflow Prevention Techniques	3
UAP 118	Advanced Plumbing Practices	3



**Sprinkler Fitter Specialty (SPRF) (26 Credits)**

UAR 160	Introduction to Sprinkler Fitter Practices	3
UAR 162	Basic Drawing and Introduction to Automatic Sprinklers	3
UAR 164	Reading Automatic Sprinkler Piping Drawings	2
UAR 166	Installation of Sprinkler Systems	2
UAR 168	Architectural Working Drawings and Blueprint Reading for Sprinkler Fitters	2
UAR 170	Sprinkler Water Supply and The Automatic Sprinkler	2
UAR 172	Types of Fire Protection Systems and Alarms	3
UAR 174	Special Application Sprinkler Systems and Hydraulics	3
UAR 176	Human Relations	3
UAR 178	Technical Writing	3