

**Washtenaw Community College  
&  
Washtenaw Intermediate School District  
South & West Washtenaw Consortium  
2014 - 2015 School Year  
2015-2016 School Year  
2016-2017 School Year**

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**Secondary/Post-Secondary Articulation Agreement Annual Reauthorization**

The instructors convened and agree that the current articulation agreements for the courses and programs contained in this document meet agreed upon conditions and the outcomes have been updated. The articulation agreements for all programs contained in this document will be reauthorized for students for the 2014-15. The articulation agreements will be continued for the 2015-2016 and 2016-2017 school years following a review of course and/or program changes. An addendum will be attached to note any changes for subsequent academic years.

Participating teachers at the secondary level will provide the appropriate student performance record for each student which certifies areas and levels of task achievement. This record will serve as proof of competency for the recommended credit.

Eligible students will be informed of the opportunity to earn college credit.

Contained in this document are:

- List of specific parties in the 2+2 program alignment and articulation
- The secondary and post-secondary state approved CIP code
- The Agreement start dates for years one, two and three
- The H.S. Graduation for years one, two and three
- Last date to post credit for graduates during years one, two and three
- The secondary program fulfills the corresponding course at the post-secondary program
- Specific courses that are the foundation of the aligned Tech Prep program articulation agreement. Include academic as well as technical course requirements
- Specific timeline to apply for the credit, or to take a competency test to qualify for the credit
- Specific requirements from the post-secondary institution that a student must meet before articulated credits are granted

This agreement remains effective for two additional years after expiration date to permit student access to the agreed upon credits. Please see effective dates.

Curriculum information contained in this document is subject to change at any time. Please consult with college advisor or college website for more current and up-to-date information.



## Secondary – Post-secondary Curriculum Aligned Course List

South & West Washtenaw Consortium			Washtenaw Community College		
Course Number	Title Code	CIP	Course Number	Title	CIP Code
<b>Accounting/Finance</b> 52.0800			<b>Accounting</b> 52.0302		
	Statewide Agreement		ACC 100	Accounting Practices for Business (3cr)	
			ACC 131	Accounting Information Systems (3cr)	
<b>Automotive Technologies</b> 47.0604			<b>Automotive Services</b> 47.0604		
	Statewide Agreement		ASV 130	Automotive Maintenance (4cr)	
			ASV 131 <sup>1</sup>	Automotive Electrical (4cr)	
<sup>1</sup> Students will be required to pass a written test prior to the award of credit for ASV 131. Please contact the Automotive Services Department.					
<b>Business Admin, Mgmt. &amp; Operations</b> 52.0299			<b>Business</b> 52.0201		
	Statewide Agreement		BMG 140	Introduction to Business (3cr)	
<b>Business Office Systems</b> 52.0299			<b>Business Office Systems</b> 52.0402		
522	Business Management Technology I		BOS 101A	Introduction to Keyboarding (1cr)	
522	Business Management Technology I		BOS 101B	Intermediate Keyboarding (1cr)	
522	Business Management Technology I		BOS 101C	Advanced Keyboarding (1cr)	
522	Business Management Technology I		BOS 157	Word Processing & Document Formatting I (3cr)	
<b>Child Care Professional</b> 19.0700 19.0709			<b>Child Care Professional</b>		
508	Child Care Seminar Year 1		CCP 122	Essentials of Early Care and Education I (4cr)	
			CCP 132	Child Development Practicum I (1cr)	
508	Child Care Practicum Year 2		CCP 123	Essentials of Early Care and Education II (4cr)	
			CCP 133	Child Development Practicum II (1cr)	
<b>Collision Repair Technician</b> 47.0603			<b>Auto Body Repair</b> 47.0603		
	Statewide Agreement		ABR 111	Introduction to Auto Body Repair (4cr)	
			ABR 112	Introduction to Automotive Refinishing (4cr)	
<b>Computer Programming</b> 52.0299			<b>Computer Instruction</b> 52.0402		
	Statewide Agreement		CIS 100	Introduction to Computer Productivity Apps (3cr)	
			CIS 110	Introduction to Computer Information Systems (3cr)	
			CIS 171 or CIS 161	Introduction to Programming with C# (4cr) or An Introduction to Programming with Java (4cr)	
<b>Computer Systems Technology</b> 47.0101			<b>Computer Instruction</b> 15.1202		
946	Computer Servicing & Assoc Electronics		CST 118	MS Command Line Fundamentals (2cr)	
946	Computer Servicing & Assoc Electronics		CST 160	Computer Systems Technology I (4cr)	
<b>Construction Technology</b> 46.0000			<b>Construction Technology</b> 46.0000		
	Statewide Agreement		CON 108	Introduction to Construction Technology (2cr)	
			CON 104	Construction Framing I (3cr)	
<b>Cooking and Related Culinary Arts</b> 12.0500			<b>Culinary &amp; Hospitality Management</b> 12.0504		



	Statewide Agreement	CUL 100	Introduction to Food Service and Hospitality Industry (2cr)
		CUL 110 <sup>3</sup>	Sanitation and Hygiene (3cr)
		CUL 145	Introduction to Dining Room Protocol (3cr)
<sup>3</sup> Students must present their ServeSafe Certification to receive credit for CUL 110. ACF requires a minimum of 30 contact hours in order to award credit.			
<b>Cosmetology</b>		12.0400	<b>Elective Credit</b>
909/910	Cosmetology	TRI 300 <sup>2</sup>	Elective Credit (20cr)
<sup>2</sup> No recommendation form is required. Students must present their Michigan State Board of Cosmetology License to the Student Connection in order to be awarded credit.			
<b>Digital Media</b>		11.0801	<b>Web Design and Development</b> 11.0801
	Statewide Agreement	WEB 110	Web Development I (4cr)
		WEB 157	Dreamweaver (3cr)
<b>Graphic &amp; Printing Technology</b>		10.0301	<b>Digital Media Arts</b> 50.0409
	Statewide Agreement	GDT 106	Illustrator Graphics (3cr)
		GDT 107	InDesign (3cr)
		GDT 108	Photoshop Graphics (3cr)
926	Advanced Photography	PHO 111	Photography I (4cr)
926	Advanced Photography	PHO 127	Digital Photo Imaging I (4cr)
<b>Health/Therapeutic Services</b>		51.0000	<b>Health Care Foundations</b> 51.9999
	Statewide Agreement	HSC 100 <sup>4</sup>	Basic Nursing Assistant Skills (4cr)
		HSC 101	Healthcare Terminology (1cr)
		HSC 131 <sup>5</sup>	CPR/AED for the Professional Rescuer and First Aid (1cr)
<sup>4</sup> Students must bring in their CNA certificate in order to receive credit for HSC 100. Check admission requirements for your specific program.			
<sup>5</sup> Students must present their card(s) for CPR/AED, Child and Infant CPR and First Aid from the American Red Cross to receive credit for HSC 131. Credit will only be granted if all three (3) sections have been passed and are documented.			
<b>Marketing</b>		52.1999	<b>Business</b> 52.1804
543	Marketing I	CUL 174	CUL Co-op Education I (1-3cr)
<b>Mechatronics</b>		14.4201	<b>Mechatronics</b> 15.0405
	Statewide Agreement	MEC 101	3D Modeling and Blueprint Reading (2cr)
		ROB 101	Robotics I – I (2cr)
<b>Radio &amp; TV Broadcasting Technology</b>		11.0202	<b>Digital Video Production</b> 50.0602
	Statewide Agreement	VID 105	Foundations in Digital Video I (4cr)
<b>Welding</b>		48.0508	<b>Welding and Fabrication</b> 48.0508
	Statewide Agreement	WAF 103	Introduction to Gas Tungsten Arc Welding (2cr)
		WAF 288	Gas Metal Arc Welding (4cr)
936	Metal Processing & Welding Technology	WAF 105	Introduction to Welding Processes (2cr)
936	Metal Processing & Welding Technology	WAF 111	Oxy-fuel Welding (4cr)



## Secondary / Post-Secondary Program Alignment

### Accounting/Finance

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	English 10 American Experience (056) Geometry Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445) Marketing I (543) Business Service Tech I Accounting I (524)	English Elective Accounting II (535) Economics (444) Sociology (435) Family & Personal Living (846)

#### WASHTENAW COMMUNITY COLLEGE

#### Accounting

#### Associate in Applied Science Degree

<b>Semester 1</b>	<input type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input checked="" type="checkbox"/> Any	
ENG 111	Composition I	4
ACC 111	Principles of Accounting I	3
BOS 184	Spreadsheet Software Applications I	3
Math	Select from MTH 125, 160, 176 or 181	4
<b>Semester Total</b>		<b>14</b>
<b>Semester 2</b>	<input type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input checked="" type="checkbox"/> Any	
TAX 101	Income Taxes for Individuals	3
ACC 122	Principles of Accounting II	3
ACC 131	Accounting Information Systems	3
CIS 110	Introduction to Computer Information Systems	3
<b>Semester Total</b>		<b>12</b>
<b>Semester 3</b>	<input type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input checked="" type="checkbox"/> Any	
BMG 111	Business Law I	3
BMG 220	Principles of Finance	3
ACC 213	Intermediate Accounting	3
BMG 140	Introduction to Business	3
ECO 211	Principles of Economics I	3
<b>Semester Total</b>		<b>15</b>
<b>Semester 4</b>	<input type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input checked="" type="checkbox"/> Any	
Nat. Sci.	Elective(s)	4
Arts/Human.	Elective(s)	3
ACC 225	Managerial Cost Accounting	3
BMG 265	Business Statistics	3
<b>Semester Total</b>		<b>13</b>
<b>Semester 5</b>	<input type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input checked="" type="checkbox"/> Any	
COM 101	Fundamentals of Speaking	3
ACC 110	Payroll Accounting	2
BMG 207	Business Communication	3
ECO 222	Principles of Economics II	3
<b>Semester Total</b>		<b>11</b>
<b>Program Totals</b>		<b>65</b>

Please see the current Washtenaw Community College catalog for up-to-date program requirements.



## Secondary / Post-Secondary Program Alignment

### Mechatronics

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Integrated Geometry Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445) Business Service Technology I (522) Metalworking Technologies (923)	English Elective Machine Tool Technology (935) CAD/CAM (938)

#### WASHTENAW COMMUNITY COLLEGE

### Mechatronics

### Associate in Applied Science Degree

<b>Semester 1</b>	<input checked="" type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input type="checkbox"/> Any	
FLP 101	Fluid Power Fundamentals - I	2
FLP 110	Fluid Power Fundamentals - II*	2
Math	Elective(s)	3
NCT 101	Introduction to Computerized Machining (CNC) - I	2
NCT 110	Introduction to Computerized Machining (CNC) - II**	2
<b>ROB 101</b>	<b>Robotics I - I</b>	<b>2</b>
ROB 110	Robotics I - II	2
Semester Total		15
<b>Semester 2</b>	<input type="checkbox"/> Fall <input checked="" type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input type="checkbox"/> Any	
MEC 100	Materials and Processes	3
MTT 102	Machining for Auto Applications	2
ELE 111	Electrical Fundamentals	4
<b>MEC 101</b>	<b>3D Modeling and Blueprint Reading</b>	<b>2</b>
Writing	Elective(s)	3
Semester Total		14
<b>Semester 3</b>	<input type="checkbox"/> Fall <input type="checkbox"/> Winter <input checked="" type="checkbox"/> Spring/Summer <input type="checkbox"/> Any	
Speech	Elective(s)	3
MEC 201	Mechanisms	2
ROB 212	Robotics II	4
Concentration 2	Select a course from concentration	4
Semester Total		13
<b>Semester 4</b>	<input checked="" type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input type="checkbox"/> Any	
Soc. Sci.	Elective(s)	3
ROB 222	Robotics Simulation	2
ROB 223	Robotics III	2
ELE 224	Introduction to PLCs	4
Concentration 3	Select a course from concentration	3
Semester Total		14
<b>Semester 5</b>	<input type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input checked="" type="checkbox"/> Any	
Arts/Human.	Elective(s)	3
Nat. Sci.	Elective(s)	4
MEC 224	Robotics IV	4
Concentration 4	Select a course from concentration	3
Semester Total		14
<b>Program Totals</b>	<b>Program Totals</b>	<b>70</b>



## Secondary / Post-Secondary Program Alignment

### Automotive Technologies

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Public Speaking Geometry Science II (313) U.S. History (422) Business Service Tech I	Literature & Society (060) Composition (023) U.S. Government (445) Integrated Trigonometry (221) Applied Physics (331) Auto Tech I (937)	English Elective Sociology (435) Auto Tech II (945) Accounting I (524)

#### WASHTENAW COMMUNITY COLLEGE

#### Automotive Service Technology

#### Associate in Applied Science Program

<b>Semester 1</b>		
Course #	Course Title:	Credit Hours
ASV 130	Automotive Maintenance	4
ASV 131*	Automotive Electrical	4
Math	Elective	3
Writing	Elective	3
ASV Elect	ABR 116, MTT 102 or WAF 105	2
Semester Total	* after passing additional exam	16
<b>Semester 2</b>		
Course #	Course Title:	Credit Hours
ASV 132	Automotive Engines	4
ASV 133	Automotive Fuel	4
ASV 134	Automotive Transmission	4
Comp Lit	Elective	3
Semester Total		15
<b>Semester 3</b>		
Course #	Course Title:	Credit Hours
ASV 254	Suspension and Steering	2
ASV 255	Brakes	2
ASV 256	Electrical and Electronic Systems	4
ASV 258	Engine Drivability	2
Speech	Elective	3
Arts/Hum	Elective	3
Semester Total		16
<b>Semester 4</b>		
Course #	Course Title:	Credit Hours
Nat. Sci	Elective	3
Soc. Sci	Elective	3
Rest. Elect	ASV Restricted Elective	4
Elective	Minimum 60 credits	3
Semester Total		13
<b>Program Totals</b>		<b>60</b>



## Secondary / Post-Secondary Program Alignment

### Automotive Services

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra Science Social Studies Health/ Physical Ed Foreign Language  <b>Choice of Electives:</b> Visual/Performing/Applied Arts	English 10 Math Science Social Studies Foreign Language  <b>Choice of Electives:</b>	English 11 Math Social Studies Science Collision Repair & Refinishing I	English 12 Math Social Studies Collision Repair & Refinishing II

### WASHTENAW COMMUNITY COLLEGE

#### Auto Body Repair

#### Certificate

<b>Semester 1</b>	<input type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input checked="" type="checkbox"/> Any	
ABR 111	Introduction to Auto Body Repair	4
ABR 112	Introduction to Automotive Refinishing	4
Rest. Elect	Restricted Electives	4
Semester Total		12
<b>Semester 2</b>	<input type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input checked="" type="checkbox"/> Any	
ABR 113 or 135	Estimating and Shop Operations or Collision-Related Mechanical & Electrical Repairs	4
ABR 123	Technical Auto Body Repair	4
Rest. Elect	Restricted Electives	4
Semester Total		12
<b>Semester 3</b>	<input type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input checked="" type="checkbox"/> Any	
ABR 124	Technical Automotive Refinishing	4
Rest. Elect	Restricted Electives	2
Semester Total		6
<b>Program Totals</b>		<b>30</b>

*Please see the current Washtenaw Community College catalog for up-to-date program requirements.*



## Secondary / Post-Secondary Program Alignment

### Business Office Systems

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Public Speaking Integrated Geometry Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445) Business Service Technology I (522) Advanced Technology (908)	English Elective Programming Visual Basic (529) Business Management Technology II (523)

#### WASHTENAW COMMUNITY COLLEGE

#### Business Office Administration – Administrative Assistant Associate in Applied Science Degree

<b>Semester 1</b>		
BOS 101C	Advanced Keyboarding	1
BOS 106	Electronic Planning, Sharing and Organization	3
BOS 206	Personal Management Application and Internet Resources	2
Writing	Elective	4
Math	Elective	4
Semester Total		14
<b>Semester 2</b>		
Arts/Human.	Elective(s)	3
ACC 100 or ACC 111	Accounting Practices for Business or Principles of Accounting I	3
BOS 157	Word Processing and Document Formatting I	3
BOS 184	Spreadsheet Software Applications I	3
Semester Total		12
<b>Semester 3</b>		
BMG 155	Business on the Internet	3
BOS 207	Presentation Software Applications	2
Speech	Elective	3
BOS 257	Word Processing and Document Formatting II	3
BOS 284	Spreadsheet Software Applications II	3
Semester Total		14
<b>Semester 4</b>		
BOS 182	Database Software Applications	3
BMG 207	Business Communication	3
BOS 208	Desktop Publishing for the Office	3
Nat. Sci.	Elective(s)	3
Semester Total		12
<b>Semester 5</b>		
ACC 131	Accounting Information Systems	3
BOS 230	Electronic Forms Design	3
BOS 250	Office Administration II	4
Soc. Sci.	Elective(s)	3



Semester Total		13
Program Totals		65

Please see the WCC catalog for other concentrations:

- Office Management (OFMG)
- Medical Administrative Assistant (MEDA)
- Law Office Administration (LAWA)



**Secondary / Post-Secondary Program Alignment  
Child Care Professional**

**HIGH SCHOOL COURSE SEQUENCE**

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra (211) or Integrated Algebra A (216) Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Public Speaking Integrated Geometry or Integrated Algebra B (217) Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445) Child Care I (508)	English Elective Child Care II (508)

**WASHTENAW COMMUNITY COLLEGE**

**Child Care Professional**

**Associate in Applied Science Degree**

<b>Semester 1</b>		
CCP 122	Child Development Credentialing I	4
CCP 132	Child Development Practicum I	1
CIS 100	Introduction to Computers and Software Applications	3
ENG 111	Composition I	4
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
Semester Total		13
<b>Semester 2</b>		
CCP 101	Child Development**	3
CCP 123	Child Development Credentialing II	4
CCP 133	Child Development Practicum II	1
COM 101	Fundamentals of Speaking	3
Soc. Sci.	Elective(s)	3
Semester Total		14
<b>Semester 3</b>		
CCP 113	Health, Safety and Nutrition for Child Care	3
CCP 210	Child Guidance and Classroom Management	3
CCP 251	Education of Exceptional Children	3
Math	Select one of MTH 125 or MTH 148	4
Semester Total		13
<b>Semester 4</b>		
CCP 160	Foundations of Child Care and Early Education	3
CCP 200	Working with Families in a Diverse Society	3
CCP 209	Curriculum for Young Children	3
Nat. Sci.	Elective(s)*	4
Semester Total		13
<b>Semester 5</b>		
CCP 218	Advanced Child Care Seminar	1
CCP 219	Advanced Child Care Practicum	2
Elective	Any 100-level or above course	1
ENG 240 or 242	Children's Literature or Multicultural Literature for Youth	3
Semester Total		7
<b>Program Totals</b>		<b>60</b>



## Secondary / Post-Secondary Program Alignment

### Computer Sys. Networking & Technology

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra (211) or Integrated Algebra A (216) Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Public Speaking Integrated Geometry or Integrated Algebra B (217) Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445) Business Service Technology I (526) Basic Art (615) Graphic Communications (914)	English Elective Visual Imaging Technology (924) Web Authoring (522)

#### WASHTENAW COMMUNITY COLLEGE

### Computer Systems and Networking - Computer and Network Security Concentration (CSEC) Associate in Applied Science Degree

<b>Semester 1</b>		
CST 118	MS Command Line Fundamentals	2
CST 160	Computer Technology I	4
CST 165	Computer Technology II	4
CST 225	PC Networking	3
Speech	Elective(s)	3
Semester Total		16
<b>Semester 2</b>		
Writing	Elective(s)	3
Math	Elective(s)	3
CIS 121	Linux/UNIX I: Fundamentals	4
CNT 201	Administering Microsoft Windows Client Operating System	3
CNT 211	Installing and Configuring Windows Server 2012	4
Semester Total		17
<b>Semester 3</b>		
Natural Science	Elective(s)	3
Soc. Sci.	Elective(s)	3
CNT 206	Internetworking I - Fundamentals	4
CNT 216	Internetworking II - Routers	4
CSS 200	Introduction to Network Security	4
Semester Total		18
<b>Semester 4</b>		
Arts/Human.	Elective(s)	3
CIS 161	Introduction to PowerShell	4
CSS 205	Essentials of Network Penetration Testing	4
CSS 210	Basic Network Perimeter Protection	4
Semester Total		15
<b>Program Totals</b>		<b>66</b>

**Additional Program Concentrations Include:** Computer Forensics (CSFC), Linux Network Operating System (LNOS)  
Local and Wide Area Networking (NETW), Microsoft Network Operating System (MNOS)



## Secondary / Post-Secondary Program Alignment

### Construction Technology

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Integrated Geometry Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445) Introduction to Drafting and CAD (911) Building Trades I (928)	Multicultural Literature Building Trades II (928)

#### WASHTENAW COMMUNITY COLLEGE

### Construction Technology

### Associate in Science Degree

<b>Semester 1</b>		
ENG 111	Composition I	4
Arts/Human.	Elective(s)*	3
CON 108	Introduction to Construction Technology	2
MTH 178	General Trigonometry	3
CON 104	Construction Framing I	3
Semester Total		15
<b>Semester 2</b>		
ENG 226	Composition II	3
CMG 130	Construction Site Safety and MIOSHA Regulations	3
PLS 112	Introduction to American Government	3
CON 105	Construction Framing II	3
Computer Lit.	Elective(s)*	3
Semester Total		15
<b>Semester 3</b>		
Speech	Elective(s)	3
Arts/Human.	Elective(s)*	3
PHY 105	Conceptual Physics	4
CON 204	Construction Finishes Interior	3
CON 205	Construction Finishes Exterior	3
Semester Total		16
<b>Semester 4</b>		
Arts/Human.	Elective(s)*	3
Soc. Sci.	Elective(s)	3
CON 220	Construction Licensing, Contracts, and Start Up	3
CON 230	Construction Production	3
CON 255	Construction Concrete and Masonry	3
Semester Total		15
<b>Program Totals</b>		<b>61</b>



## Secondary / Post-Secondary Program Alignment

### Cosmetology

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Public Speaking Integrated Geometry Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445)	English Elective

#### WASHTENAW COMMUNITY COLLEGE

##### Management

##### Associate in Applied Science

<b>Semester 1</b>		
Arts/Human.	Elective(s)	3
Computer Lit	Elective(s)	3
Speech	Elective(s)	3
Writing	Elective(s)	4
Semester Total		13
<b>Semester 2</b>		
Math	Elective(s)	4
Nat. Sci.	Elective(s)	4
OCC ELE 1	Occupational/Technical Course 1	3
OCC ELE 2	Occupational/Technical Course 1	3
Semester Total		14
<b>Semester 3</b>		
OCC ELE 3	Occupational/Technical Course 1	3
OCC ELE 4	Occupational/Technical Course 1	3
OCC ELE 5	Occupational/Technical Course 5	3
BUS ELE 1	Restricted ACC, BMG, CIS, WEB and/or RES elective	3
Semester Total		12
<b>Semester 4</b>		
BMG 230	Management Skills	3
BMG 273	Managing Operations	3
Soc. Sci.	Elective(s)	3
BUS ELE 2	Restricted ACC, BMG, CIS, WEB and/or RES elective	3
Semester Total		12
<b>Semester 5</b>		
BMG 279	Performance Management	3
BMG 291	Project Management	3
BUS ELE 3	Restricted ACC, BMG, CIS, WEB and/or RES elective	3
BUS ELE 4	Restricted ACC, BMG, CIS, WEB and/or RES elective	3
Semester Total		12
<b>Program Totals</b>		<b>63</b>



## Secondary / Post-Secondary Program Alignment

### Culinary Arts & Hospitality

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Integrated Geometry Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445) Practical Nutrition (850)	Multicultural Literature Hospitality & Culinary Arts (509)

#### WASHTENAW COMMUNITY COLLEGE Culinary & Hospitality Management

#### Associate in Applied Science Degree

<b>Semester 1</b>		
CUL 100	Introduction to Culinary Arts Industry	2
CUL 110	Sanitation and Hygiene**	2
Arts/Human.	Elective(s)	3
Math	Elective(s)	3-4
Writing	Elective(s)	3
Semester Total		13-14
<b>Semester 2</b>		
Computer Lit.	Elective(s)	3
CUL 104	Baking Science	2
CUL 116	Fundamental Culinary Principles	3
CUL 118	Principles of Nutrition	3
CUL 145	Introduction to Dining Room Protocol	3
Speech	Elective(s)	3
Semester Total		17
<b>Semester 3</b>		
Natural Science	Elective(s)	3
Soc. Sci.	Elective(s)	3
Semester Total		6
<b>Semester 4</b>		
CUL 114	Fundamentals of Baking	3
CUL 115	Fundamentals of Pastry	3
CUL 120	Classical Kitchen Operations	3
CUL 121	Modern Kitchen Operations	3
CUL 150	Food Service Management and Supervision	3
Semester Total		15
<b>Semester 5</b>		
CUL 210	Advanced Kitchen Operations: Garde Manger	3
CUL 224	Principles of Cost Accounting	3
CUL 226	Advanced Dining Room and Beverage Management	3
CUL 230	Advanced Kitchen Operations: American Regional	3
CUL 231	Advanced Kitchen Operations: Global Cuisine	3
Semester Total		15
<b>Program Totals</b>		<b>66-67</b>

#### Footnotes:

\*\*CUL 110 must be taken before or as a co-requisite with any of the lab classes.



## Secondary / Post-Secondary Program Alignment

### Digital Media Arts/Visual Arts Technology

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Public Speaking Integrated Geometry Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445) Business Service Technology I (526) Basic Art (615) Graphic Communications (914)	English Elective Visual Imaging Technology (924) Web Authoring (522)

#### WASHTENAW COMMUNITY COLLEGE Graphic Design

#### Associate in Applied Science Degree

<i>Semester 1</i>		
GDT 101	History of Graphic Design	3
ENG 107 or 111	Technical Writing I or Composition I	3
GDT 104	Introduction to Graphic Design	4
WEB 115	Introduction to Interface Design	4
Social Science	Elective(s)	3
Semester Total		17-18
<i>Semester 2</i>		
GDT 100	Typography I	4
GDT 112	Principles and Problem Solving in Graphic Design	4
Math	Elective(s)	3-4
WEB 110	Web Development I	4
Semester Total		15-16
<i>Semester 3</i>		
GDT 215	Typography II	4
GDT 220	Publication Design	4
WEB 215	Intermediate Interface Design	4
Restricted Electives	Restricted Elective	3-4
Semester Total		15-16
<i>Semester 4</i>		
GDT 252	Advanced Digital Studio	4
GDT 290	Professional Practices	4
Speech	Elective(s)	3
Nat. Sci.	Elective(s)	3
Restricted Electives	Elective(s)	3 - 4
Semester Total		17-19
Program Totals		64-69

#### Additional Program Opportunities:

3D Animation Associate Degree, Technical Writing Associate Degree



## Secondary / Post-Secondary Program Alignment

### Health Science

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra* Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Integrated Geometry Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445) Biology (325)* Health Sciences (506)	Multicultural Literature (019) Sociology (435) Chemistry (326)* Health Sciences Technology Internship (507)

#### WASHTENAW COMMUNITY COLLEGE

##### Health Care Foundations

##### Certificate

<b>Semester 1</b>		
Course #	Course Title:	Credit Hours
HCFELEC1	Required Elective 1: BIO 101, BIO 102, 109, 111	5
HCFELEC2	Required Elective 2: COM 101 or COM 102	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
Semester Total		14
<b>Semester 2</b>		
Course #	Course Title:	Credit Hours
HCFELEC3	Required Elective 3: MTH 160 or MTH 167 or MTH 169	4
HCFELEC4	Required Elective 4: HSC 100 or PTA 102 or PHT 106 or RAD 100 of 1-4 credits	4
PHL 244	Ethical and Legal Issues in Health Care	3
Computer Lit.	Elective	3
HCFELEC5	PSY 100 or SOC 100	3
Semester Total		17
<b>Program Totals</b>		<b>31</b>

\* Please see the WCC website [www.wccnet.edu/health](http://www.wccnet.edu/health) for information about other health care programs.

#### Additional Program Opportunities:

Dental Assisting Certificate  
 Medical Assisting Certificate  
 Nursing Associate Degree  
 Pharmacy Technology Certificate  
 Physical Therapist Assistant Associate Degree  
 Radiography Associate Degree  
 Surgical Technology Associate Degree



## Secondary / Post-Secondary Program Alignment

### Digital Media

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Public Speaking Integrated Geometry Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445) Business Service Technology I (522) Web Authoring (526)	English Elective Web Authoring II (527) Business Service Technology II (523)

#### WASHTENAW COMMUNITY COLLEGE

#### Web Design and Development – Web Design

#### Associate in Applied Science Degree

<i>Semester 1</i>		
Writing	Elective(s)	3
<b>WEB 110</b>	<b>Web Development I</b>	<b>4</b>
WEB 113	Web user Experience I	4
WEB 115	Introduction to Interface Design	4
Semester Total		15
<i>Semester 2</i>		
WEB 210	Web Development II	4
WEB 213	Web User Experience II	4
WEB 215	Intermediate Interface Design	4
Speech	Elective(s)*	3
Semester Total		15
<i>Semester 3</i>		
Arts/Human.	Elective(s)*	3
Soc. Sci.	Elective(s)	3
WEB 235	Advanced Interface Design	4
<b>Elective</b>	<b>Any course from ANI, GDT, PHO, VID or WEB</b>	<b>3</b>
Elective	WEB 233 or any GDT course	3-4
Semester Total		16-17
<i>Semester 4</i>		
Nat. Sci.	Elective(s)*	4
Math	Elective(s)*	4
Elective	Restricted Elective(s)*	3
WEB 255	Interaction Design	4
Semester Total		14-16
<b>Program Totals</b>		<b>60-63</b>

Other Concentration Available: Web Development



## Secondary / Post-Secondary Program Alignment

### Business Admin, Mgmt. & Operations

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Public Speaking Integrated Geometry Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445) Marketing I (543)	Multicultural Literature Marketing II (551) Accounting I (524) Economics (444)

#### WASHTENAW COMMUNITY COLLEGE

#### Business

#### Associate in Arts Degree

<i>Semester 1</i>		
ENG 111	Composition I	4
Math	Select one of MTH 125, MTH 160, MTH 176 or MTH 181	4
ACC 111	Principles of Accounting I	3
<b>BMG 140</b>	<b>Introduction to Business</b>	<b>3</b>
CIS 110	Introduction to Computer Information Systems	3
Semester Total		17
<i>Semester 2</i>		
ENG 226	Composition II	3
ACC 122	Principles of Accounting II	3
BMG 207	Business Communication	3
Nat. Sci.	Elective(s)**	4
Semester Total		13
<i>Semester 3</i>		
COM 101	Fundamentals of Speaking	3
Soc. Sci.	Elective(s)	3
BMG 265	Business Statistics	3
ECO 211	Principles of Economics I	3
BMG 111	Business Law I	3
Semester Total		15
<i>Semester 4</i>		
Arts/Human.	Elective(s)***	3
Arts/Human.	Elective(s)***	3
ECO 222	Principles of Economics II	3
Nat. Sci.	Electives (s)	3-4
Elective	Complete one course as a free elective to bring the program total to a minimum of 60 credits. ****	3
Semester Total		15 - 16
Program Totals		60 - 61



## Secondary / Post-Secondary Program Alignment

### Radio and TV Broadcasting Technology

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Public Speaking Integrated Geometry Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445)	English Elective VIDEO

#### WASHTENAW COMMUNITY COLLEGE

#### Digital Video Production

#### Associate in Applied Science Degree

<i>Semester 1</i>		
VID 105	Foundations of Digital Video I	4
ENG 111	Composition I	4
HUM 150	International Cinema	3
Computer Lit	Elective(s)*	3
Speech	Elective(s)*	3
Semester Total		17
<i>Semester 2</i>		
HUM 160	American Film	3
VID 125	Foundations in Digital Video II	4
VID 180 or 270	Television Studio I or Documentary Video Production	3-4
VID 255	Green Screen I	3
Math	Elective(s)	3-4
Semester Total		16-18
<i>Semester 3</i>		
ENG 226	Composition II	3
Soc. Sci.	Elective(s) 1	3
VID 276	Video Graphics I	3
VID 210	Screenplays	3
VID	Elective(s)	3
Semester Total		15
<i>Semester 4</i>		
Soc. Sci.	Elective(s) 2	3
VID 203	Web Video	3
Nat. Sci.	Elective(s)	4
VID 295	Professional Portfolio	3
Semester Total		13
<b>Program Totals</b>		<b>61-63</b>



## Secondary / Post-Secondary Program Alignment

### Welding

#### HIGH SCHOOL COURSE SEQUENCE

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9 Algebra Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410)	American Experience (056) Public Speaking Integrated Geometry Science II (313) U.S. History (422) Public Speaking	Literature & Society (060) Composition (023) U.S. Government (445) Business Service Technology I (522) Metal Processing & Welding/Techs (936)	English Elective Math Elective Metal Processing & Welding/Techs (936)

#### WASHTENAW COMMUNITY COLLEGE

### Welding

### Associate in Applied Science Degree

<i>Semester 1</i>		
Math	Elective(s)*	3 - 4
WAF 105	Welding for Art and Engineering	2
WAF 111	Welding I Oxy-Acetylene	4
WAF 112	Welding II Basic ARC	4
Semester Total		13 - 14
<i>Semester 2</i>		
Speech	Elective(s)	3
WAF 106	Blueprint Reading for Welders	3
WAF 123	Welding III Advanced Oxy-Acetylene (OAW)	4
WAF 124	Welding IV Advanced ARC (SMAW)	4
Semester Total		14
<i>Semester 3</i>		
Computer Lit.	Elective(s)	3
Arts/Human.	Elective(s)	3
WAF 215	Welding V Advanced GTAW and GMAW	4
WAF 289	MIG Welding	4
Semester Total		14
<i>Semester 4</i>		
WAF 200	Layout Theory Welding	3
WAF 210	Welding Metallurgy	3
WAF 226	Specialized Welding Procedures	4
Soc. Sci.	Elective(s)	3
Semester Total		13
<i>Semester 5</i>		
Writing	Elective(s)	3 - 4
Nat. Sci.	Elective(s)	3 - 4
WAF 227	Basic Fabrication	3
WAF 229	Shape Cutting Operations	3
Semester Total		12 - 14
Program Totals		66 - 69



## Conditions & Requirements

1. Students must meet admissions requirements of the college.
2. Students should successfully complete a preponderance of tasks at the employable level.
3. Students must receive recommendation from the high school instructor.
4. Students must apply for articulated credit within 24 months following high school graduation.
5. Students must successfully complete 1 credit hour at WCC. Students should also check the requirements of their programs to determine if specific courses are required or recommended.
6. Students shall meet requirements of the intended curriculum and program of study.

## Special Conditions

1. This agreement is in effect for students who enter into their career and technical program beginning Fall of 2014 and earn credit at Washtenaw Community College by the end of Fall semester 2016.  
Exception: Students entering the Nursing Program must meet program requirements at the time of entry into the program.
2. All federal, state, and accreditation mandates supersedes this articulation agreement.

## Effective Dates

### Year 1:

Agreement start date:	September 1, 2014
H.S. Graduation during:	2015
Last date to post credit:	December 31, 2017

### Year 2:

Agreement start date:	September 1, 2015
H.S. Graduation during:	2016
Last date to post credit:	December 31, 2018

### Year 3:

Agreement start date:	September 1, 2016
H.S. Graduation during:	2017
Last date to post credit:	December 31, 2019

Documentation of secondary instruction delivery/segments is available for review at secondary institution.




## Participating Instructors

Program	Instructors
Accounting/Finance (ACC)	Statewide Agreement
Auto Body Repair (ABR)	Statewide Agreement
Automotive Services (ASV)	Statewide Agreement
Business (BUS)	Statewide Agreement
Business Office Systems (BOS)	Sheila Cammarata, Saline High School Dawn Gidley, Saline High School Leslie Rollins, Manchester High School Joyce Jenkins, Washtenaw Community College
Child Care Professional (CCP)	Sally Adler, Washtenaw Community College
Computer Information Systems/Programming (CIS/CPS)	Statewide Agreement
Computer Systems Networking & Technology (CIS)	Statewide Agreement
Computer System Technology (CST)	Steve Sartori, Saline High School John Trame, Washtenaw Community College
Construction	Statewide Agreement
Cosmetology	Statewide Agreement
Culinary Arts/Cooking	Statewide Agreement  Carol Caulder Deinzer, Washtenaw Community College
Digital Media Arts/Graphic Design	Statewide Agreement
Health Science	Statewide Agreement
Mechatronics	Statewide Agreement
Radio & TV Broadcasting Technology/Video	Statewide Agreement
Photography	Nathan Bush, Saline High School Jennifer Baker, Washtenaw Community College
Web Design and Development	Statewide Agreement
Welding	Steve Hasselbach, Saline High School Glenn Kay II, Washtenaw Community College



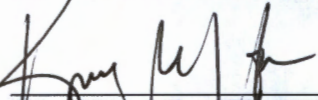
Signatures

South & West Washtenaw Consortium

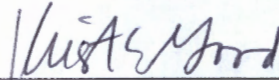
  
Jody Gielinski  
CTE Coordinator

8/4/15  
Date


Washtenaw Community College

  
Kim Hurns, Interim Dean  
Business & Computer Technologies

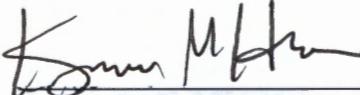
8/20/15  
Date

  
Kristin Good, Dean  
Math, Science and Engineering Technology


8/10/15  
Date

  
Brandon Tucker, Dean  
Advanced Technologies and Public Service Careers

8/15/15  
Date

  
Department Chair/Instructor  
Business Office Systems

8/20/15  
Date

  
Department Chair/Instructor  
Computer Instruction

8/18/15  
Date

  
Department Chair/Instructor  
Digital Media Arts/Photography

9/2/15  
Date

  
Department Chair/Instructor  
Public Service Careers

8/24/15  
Date

  
Department Chair/Instructor  
Welding

9/8/15  
Date