

**Washtenaw Community College**  
**&**  
**Careerline Technical Center**  
**2017 - 2018 School Year**  
**2018 - 2019 School Year**  
**2019 - 2020 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 2017-18 academic year. The articulation agreements will be continued for the 2018-2019 and 2019-2020 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 that 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 date for years one, two and three
- The H.S. graduation date 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 the 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 a college advisor or college website for more current and up-to-date information.

**Secondary – Post-secondary**

**Curriculum Aligned Course List**

Statewide Agreement		Washtenaw Community College	
Course #	Title <i>CIP Code</i>	Course #	Title <i>CIP Code</i>
<b>Automobile Technician</b> 47.0604		<b>Auto Services</b> 47.0604	
Statewide Agreement		ASV 130	Automotive Maintenance (4cr)
		ASV 132	Automotive Engines (4cr)
<b>Business Admin., Mgmt. &amp; Operations</b> 52.0299		<b>Business</b> 52.0000	
Statewide Agreement		BMG 140	Introduction to Business (3cr)
<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 Sys. Networking and Technology</b> 11.0901		<b>Computer Systems and Networking</b> 11.0901	
Statewide Agreement		CIS 100	Introduction to Computers and Software Applications (3cr)
		CIS 110	Introduction to Computer Information Systems (3cr)
<b>Computer Programming</b> 11.0201		<b>Information Systems</b> 11.0103	
Statewide Agreement		CIS 100	Introduction to Computers and Software Applications (3cr)
		CIS 110	Introduction to Computer Information Systems (3cr)
		CPS 171 or CPS 161 *	Introduction to Programming with C++ or Introduction to Programming with Java (4cr)
* Students will be awarded credit for CPS 171. They may request credit for CPS 161 instead.			
<b>Construction Technology</b> 46.000		<b>Construction Technology</b> 46.0000	
Statewide Agreement		CON 108	Introduction to Construction Technology (2cr)
		CON 104	Construction Framing I (3cr)
<b>Cosmetology</b> 12.0400		<b>Elective Credit</b>	
Statewide Agreement		TRI 300 <sup>1</sup>	Elective Credit (20cr)
<sup>1</sup> Students must present their Michigan State Board of Cosmetology License to be awarded credit.			
<b>Cooking &amp; Related Culinary Arts</b> 12.0500		<b>Culinary &amp; Hospitality Management</b> 12.0504	
		CUL 110 <sup>2</sup>	Sanitation and Hygiene (2cr)
		CUL 145	Introduction to Dining Room Protocol (3cr)
<sup>2</sup> Students must submit their ServeSafe Certification to receive credit for CUL 110. ACF requires a minimum of 30 contact hours in order to award credit.			
<b>Digital Multimedia</b> 11.0801		<b>Web Design and Development</b> 11.0801	
Statewide Agreement		WEB 110	Web Development I (4cr)
<b>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>Graphic and Printing Technology</b> 11.0301		<b>Graphic Design</b> 54.0409	
	Statewide Agreement	GDT 106	<i>Illustrator Graphics (3cr)</i>
		GDT 107	<i>InDesign (3cr)</i>
		GDT 108	<i>Photoshop Graphics (3cr)</i>
<b>Health/Therapeutic Services</b> 51.0000		<b>Health Science</b> 51.1601	
	Statewide Agreement	HSC 100 <sup>3</sup>	<i>Basic Nursing Assistant Skills (4cr)</i>
		HSC 101	<i>Healthcare Terminology (1cr)</i>
		HSC 131 <sup>4</sup>	<i>CPR/AED for the Professional Rescuer and First Aid (1cr)</i>
<sup>3</sup> Students must bring in their C.N.A. Certificate in order to receive credit for HSC 100. Students must meet additional criteria to apply for admission to the Registered Nursing Program. Additional information is available on the WCC website at <a href="http://www4.wccnet.edu/departments/health/">http://www4.wccnet.edu/departments/health/</a>			
<sup>4</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>Mechatronics</b> 14.4201		<b>Mechatronics</b> 15.0405	
	Statewide Agreement	MEC 101	<i>3D Modeling and Blueprint Reading (2cr)</i>
		ROB 101	<i>Robotics I-I (2cr)</i>
<b>Radio &amp; TV Broadcasting Technology</b> 10.0202		<b>Digital Video Production</b> 59.0602	
	Statewide Agreement	VID 105	<i>Foundations in Digital Video I (4 cr)</i>
<b>Welding</b> 48.0508		<b>Welding</b> 48.0508	
	Statewide Agreement	WAF 103	<i>Introduction to Gas Tungsten Arc Welding (2cr)</i>

## 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 Speech Art or Music or Graphics Biology Algebra Non Western Civilization Law P.E. / Fitness	English 10 Physical or Earth Science Geometry Western Civilization P.E. Elective	Literature Chemistry Algebra 3, 4 U.S. History Computer Accounting I	English Elective Physics Math Analysis U.S. Government Computer Accounting II

### WASHTENAW COMMUNITY COLLEGE

#### Accounting

#### Associate in Applied Science Degree

<b>Semester 1</b>		
ACC 111	Principles of Accounting I	3
BMG 140	Introduction to Business	3
BOS 184	Spreadsheet Software Applications I	3
CIS 110	Introduction to Computer Information Systems	3
Math	Select from MTH 125, 160, 176 or 181	4
Semester Total		16
<b>Semester 2</b>		
ACC 110	Payroll Accounting	2
TAX 101	Income Taxes for Individuals	3
ACC 122	Principles of Accounting II	3
ACC 131	Accounting Information Systems	3
BMG 111	Business Law I	3
COM 101	Fundamentals of Speaking	3
Semester Total		17
<b>Semester 3</b>		
Nat. Sci.	Elective(s)	3
Arts/Human.	Elective(s)	3
ACC 213	Intermediate Accounting	3
BMG 265	Business Statistics	3
ECO 211	Principles of Economics I	3
Semester Total		15
<b>Semester 4</b>		
ACC 214	Intermediate Accounting I	3
ACC 225	Managerial Cost Accounting	3
BMG 207	Business Communication	3
ECO 222	Principles of Economics II	3
ENG 111	Composition I	4
Semester Total		16
Program Totals		64

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

## 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 Biology SS – World History and Geography PE/Elective Foreign Language	English 10 Geometry Phys. Science or Chemistry SS – U.S. History and Geography Foreign Language Elective	01250 English 11 Algebra 2 Science Elective Government/Economics Health/Elective Business Elective	01284 English 12 Accounting/Finance Business Management Elective

#### WASHTENAW COMMUNITY COLLEGE

##### Auto Body Repair

##### Certificate

<b>Semester 1</b>	<u>  </u> Fall <u>  </u> Winter <u>  </u> Spring/Summer <u>  </u> X <u>  </u> 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>	<u>  </u> Fall <u>  </u> Winter <u>  </u> Spring/Summer <u>  </u> X <u>  </u> 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>	<u>  </u> Fall <u>  </u> Winter <u>  </u> Spring/Summer <u>  </u> X <u>  </u> Any	
ABR 124	Technical Automotive Refinishing	4
Rest. Elect	Restricted Electives	2
Semester Total		6
Program Totals		30

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

## 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>		
ASV 130	Automotive Maintenance	4
ASV 131	Automotive Electrical	4
Math	Elective	3
Writing	Elective	3
ASV Elect	ABR 116, ASV 135, MTT 102 or WAF 105	2
Semester Total		16
<b>Semester 2</b>		
ASV 132	Automotive Engines	4
ASV 133	Automotive Fuel	4
ASV 134	Automotive Transmission	4
Elective	Elective	3
Semester Total		15
<b>Semester 3</b>		
ASV 254	Suspension and Steering	2
ASV 255	Brakes	2
ASV 256	Electrical and Electronic Systems	4
ASV 258	Engine Drivability	2
Speech/Comp.	Elective	3
Arts/Hum	Elective	3
Semester Total		16
<b>Semester 4</b>		
Nat. Sci	Elective	3
Soc. Sci	Elective	3
Rest. Elect	ASV Restricted Elective	4
Elective	Minimum 60 credits	3
Semester Total		13
Program Totals		60

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

## Secondary / Post-Secondary Program Alignment

### Business

#### 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 Speech Art or Music or Graphics Biology Algebra Non Western Civilization Law P.E. Fitness	English 10 Physical or Earth Science Geometry Western Civilization P.E. Elective	Literature Chemistry <i>or Elective</i> Algebra 3/4 <i>or Elective</i> U.S. History Computer Applications 1	English Elective Physics <i>or Elective</i> Math Analysis <i>or Elective</i> U.S. Government Business

#### WASHTENAW COMMUNITY COLLEGE

### Business

### Associate in Arts Degree

<b>Semester 1</b>		
Nat. Sci.	Elective(s)	3
Math	Select one of MTH 125, MTH 160, MTH 176 or MTH 181	4
ENG 111	Composition I	4
<b>BMG 140</b>	<b>Introduction to Business</b>	<b>3</b>
Semester Total		14
<b>Semester 2</b>		
Arts/Human.	Elective(s)	3
Writing/Comm.	Elective(s)	3
ACC 111	Principles of Accounting I	3
BMG 207	Business Communication	3
<b>CIS 110</b>	<b>Introduction to Computer Information Systems</b>	<b>3</b>
Semester Total		15
<b>Semester 3</b>		
ACC 122	Principles of Accounting II	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
<b>Semester 4</b>		
Bus Elective(s)	BMG 181, BMG 230 or BMG 250**	3
Arts/Human.	Elective(s)***	3
ECO 222	Principles of Economics II	3
Nat. Sci. Lab	Elective(s)	3
Elective(s)	Elective(s) to reach a minimum of 60 credits.	4
Semester Total		16
Program Totals		60

**Additional Program Opportunities:** *Accounting Associate Degree, Culinary Arts and Management Associate Degree, Information Systems Transfer Associate Degree*

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

## 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 Speech Art or Music or Graphics Algebra Biology Non Western Civilization Law P.E. Fitness	English 10 Physical or Earth Science Geometry Western Civilization P.E. Elective Computer Applications 1	Literature Chemistry <i>or Elective</i> Algebra 3/4 <i>or Elective</i> U.S. History Homebuilding I	English Elective Physics <i>or Elective</i> Math Analysis <i>or Elective</i> U.S. Government Homebuilding II

#### WASHTENAW COMMUNITY COLLEGE

##### Construction Technology

##### Associate in Science Degree

<b>Semester 1</b>		
ENG 111	Composition I	4
Arts/Human.	Elective(s)	3
<b>CON 108</b>	<b>Introduction to Construction Technology</b>	<b>2</b>
MTH 178	General Trigonometry	3
<b>CON 104</b>	<b>Construction Framing I</b>	<b>3</b>
Semester Total		15
<b>Semester 2</b>		
Speech/Comp.	Elective(s)	3
CMG 130	Construction Site Safety and MIOSHA Regulations	3
PLS 112	Introduction to American Government	3
CON 105	Construction Framing II	3
Nat. Sci. 1	Elective(s)	3
Semester Total		15
<b>Semester 3</b>		
Gen Ed	Gen Ed Elective(s) to reach minimum 30 credits	1
Arts/Human. 2	Elective(s)	3
PHY 105	Conceptual Physics	4
CON 204	Construction Finishes Interior	3
CON 205	Construction Finishes Exterior	3
Semester Total		14
<b>Semester 4</b>		
Electives(s)	Elective(s) to reach minimum 60 credits	4
Soc. Sci. 2	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		16
<b>Program Totals</b>		<b>60</b>

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



## 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/Comp.	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	Installation, Storage and Compute Windows Server 2016	4
Semester Total		17
<b>Semester 3</b>		
Natural Science	Elective(s)	3
Soc. Sci.	Elective(s)	3
CNT 206	Introduction to Networks	4
CNT 216	Routing and Switching Essentials	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
Program Totals		66

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

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

## Secondary / Post-Secondary Program Alignment

### 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) Computer Programming	English Elective Visual Imaging Technology (924) Computer Programming

### WASHTENAW COMMUNITY COLLEGE

#### Information Systems: Programming in C++

#### Associate in Science

<b>Semester 1</b>		
Speech/Comp	Elective(s)	3
Nat. Sci	Elective(s)	3
<b>CPS 171</b>	<b>Introduction to Programming with C++</b>	<b>4</b>
ENG 111	Composition I	4
Semester Total		14
<b>Semester 2</b>		
Arts/Human.	Elective(s)	3
CIS 121	Linux/UNIX I: Fundamentals	4
CPS 271	Object Features of C++	4
Soc. Sci.	Elective(s)	3
Math	MTH 176 or higher 4 credit	4
Semester Total		17
<b>Semester 3</b>		
Nat. Sci. Lab	Elective(s)	3
CPS 276	Web Programming Using Apache, MySQL and PHP	4
CPS 272	Data Structures in C++	4
Soc. Sci.	Elective(s)	3
Semester Total		14
<b>Semester 4</b>		
Arts/Human.	Elective(s)	3
Elective	Students must complete 100-level or above transferrable course(s) to reach a minimum of 60 credits. Possible CIS/CPS electives include: CIS 282, CPS 161, CPS 251, CPS 261, CPS 278, CIS 221	6
CPS 298	Professional Team Programming	4
Gen Ed	Elective(s) to reach minimum 30 General Education (0-1)	1
Semester Total		14
<b>Program Totals</b>		<b>60</b>

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

## Secondary / Post-Secondary Program Alignment

### Cooking and Related Culinary Arts

#### 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 I World History/Geography Biology World Language Phys Ed/Health	English 10 Geometry U.S. History/Geography Physics or Chemistry World Language Visual/Performing/Applied Arts	English 11 Algebra II Civics/Economics Cooking & related Culinary Arts	English 12 Math Credit Science Credit Cooking & related Culinary Arts

#### WASHTENAW COMMUNITY COLLEGE

##### Culinary Arts and Management

##### Associate in Applied Science

<b>Semester 1</b>		
Writing	Elective(s)	3
<b>CUL 110</b>	<b>Sanitation and Hygiene*</b>	<b>2</b>
CUL 116	Culinary Principles	3
<b>CUL 145</b>	<b>Dining Room Service</b>	<b>3</b>
CUL 118	Culinary Nutrition	3
Math	Elective(s)	3
Semester Total		17
<b>Semester 2</b>		
Speech/Comp.	Elective(s)	3
Nat. Sci.	Elective(s)	3
CUL 104	Baking Science	2
CUL 120	Classical Kitchen	3
CUL 141	Principles of Cost Control	3
CUL 150	Management and Supervision	3
Semester Total		17
<b>Semester 3</b>		
Arts/Human.	Elective(s)	3
CUL 114	Fundamentals of Baking	3
CUL 121	Modern Kitchen	3
CUL 208	Menu Planning	3
CUL 221	Culinary Purchasing	3
CUL Elective	Choose 1: CUL 232, CUL 233, CUL 234, CUL 251	2
Semester Total		17
<b>Semester 4</b>		
CUL 115	Fundamentals of Pastry	3
CUL 210	Garde Manger	3
CUL 230	American Regional and Global Cuisine	3
CUL 245	Beverage Management	2
CUL Elective	Choose 1: CUL 232, CUL 233, CUL 234, CUL 251	2
Social Science	Elective(s)	3

Semester Total		16
Program Totals		67

\* Students must submit their ServeSafe Certification to receive credit for CUL 110. ACF requires a minimum of 30 contact hours in order to award credit.

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

## Secondary / Post-Secondary Program Alignment

### Graphic & Printing 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 I World History/Geography Biology World Language Phys Ed/Health	English 10 Geometry U.S. History/Geography Physics or Chemistry World Language Visual/Performing/Applied Arts	English 11 Algebra II Civics/Economics Visual Imaging Technology I Elective Visual Imaging Technology II Elective	English 12 Math Credit Science Credit Visual Imaging Technology III Elective

#### WASHTENAW COMMUNITY COLLEGE Program Layout by Semester

##### Graphic Design

##### Associate in Applied Science

<b>Semester 1</b>		
ENG 111	Composition I	4
GDT 101	History of Graphic Design	3
GDT 104	Introduction to Graphic Design	4
WEB 115	Introduction to Interface Design	4
Soc. Sci.	Elective(s)	3
Semester Total		18
<b>Semester 2</b>		
Speech	Elective(s)	3
Restricted Elect	Elective(s)	3
GDT 100	Typography I	4
GDT 112	Principles and Problem Solving in Graphic Design	4
Semester Total		14
<b>Semester 3</b>		
GDT 215	Typography II	4
GDT 220	Publication Design	4
GDT 239	Imaging and Illustration	4
WEB 215	Intermediate Interface Design	4
Semester Total		16
<b>Semester 4</b>		
GDT 252	Advanced Digital Studio	4
GDT 290	Professional Practices	4
Nat. Sci.	Elective(s)	3
COM 101	Fundamentals of Speaking	3
Restricted Elect	Elective(s)	3
Semester Total		17
Program Totals		65

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

## Secondary / Post-Secondary Program Alignment

### Radio & 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 I World History/Geography Biology World Language Phys Ed/Health	English 10 Geometry U.S. History/Geography Physics or Chemistry World Language Visual/Performing/Applied Arts	English 11 Algebra II Civics/Economics Radio & TV Broadcasting	English 12 Math Credit Science Credit Radio & TV Broadcasting

#### WASHTENAW COMMUNITY COLLEGE Program Layout by Semester

##### Digital Video Production

##### Associate in Arts

<b>Semester 1</b>		
Nat. Sci.	Elective(s)*	3
ENG 111	Composition I	4
HUM 120, HUM 150 or HUM 185	Introduction to Film, International Cinema or The Horror Film	3
<b>VID 105</b>	<b>Foundations in Digital Video I</b>	<b>4</b>
Semester Total		14
<b>Semester 2</b>		
HUM 160	American Film	3
VID 125	Foundations in Digital Video II	4
VID 270	Documentary Video Production I	3
VID 255	Green Screen I	3
Math	Elective(s)	3
Semester Total		16
<b>Semester 3</b>		
Speech/Comp.	Elective(s)	3
VID 210 or VID 240	Screenplays or Digital Cinematography	3
VID 276	Video Graphics I	3
VID	Elective(s)	3
Soc. Sci.	Elective(s)	3
Semester Total		15
<b>Semester 4</b>		
Nat. Sci. Lab	Elective(s)	3
Soc. Sci.	Elective(s)	3
VID 203	Web Video	3
VID 295	Portfolio and Project Seminar	3
Arts/Human.	Elective(s)	3
Semester Total		15
<b>Program Totals</b>		<b>60</b>

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

## Secondary / Post-Secondary Program Alignment

### DIGITAL MEDIA ARTS

#### 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 I World History/Geography Biology World Language Phys Ed/Health	English 10 Geometry U.S. History/Geography Physics or Chemistry World Language Visual/Performing/Applied Arts	English 11 Algebra II Civics/Economics Web I Elective	English 12 Math Credit Science Credit Web II Elective

### WASHTENAW COMMUNITY COLLEGE

#### Web Design and Development - Web Design Concentration

#### Associate in Applied Science

<b>Semester 1</b>		
ENG 111	Composition I	4
<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		16
<b>Semester 2</b>		
WEB 210	Web Development II	4
WEB 213	Web User Experience II	4
WEB 215	Intermediate Interface Design	4
COM 101	Fundamentals of Speaking	3
Semester Total		15
<b>Semester 3</b>		
Arts/Human.	Elective(s)*	3
Social Science	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
Semester Total		16
<b>Semester 4</b>		
Nat. Sci.	Elective(s)	3
Math	Elective(s)	3
Elective	Any 100 level ANI, GDT, PHO, VID or WEB to meet minimum of 60 credit hours	3
WEB 255	Interaction Design	4
Semester Total		13
<b>Program Totals</b>		<b>60</b>

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



## Secondary / Post-Secondary Program Alignment

### Health Science 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 Speech Art or Music or Graphics Biology* Algebra * Non Western Civilization Law P.E. / Fitness	English 10 Physical or Earth Science Geometry Western Civilization P.E. Elective Computer Applications 1	Literature Chemistry* Algebra 3/4 or Elective U.S. History Health Sciences Technology Health Sciences Internship	English Elective Physics or Elective Math Analysis or Elective U.S. Government Health Sciences Technology Health Sciences Internship

#### WASHTENAW COMMUNITY COLLEGE

##### Health Care Foundations\*

##### Certificate

<b>Semester 1</b>		
HCFELEC1	Required Elective 1: BIO 101, BIO 102, 109, 111	4
HCFELEC2	Required Elective 2: COM 101, COM 102 or COM 200	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		13
<b>Semester 2</b>		
HCFELEC3	Required Elective 3: MTH, 125, MTH 160 or MTH 167, MTH 169 or Math Level 4 or higher course	3
HCFELEC4	Required Elective 4: HSC 100, HSC 103 or RAD 100 for 1-4 credits	1-4
PHL 244	Ethical and Legal Issues in Health Care	3
HCFELEC5	PSY 100, PSY 206 or SOC 100	3
Semester Total		10 -13
Program Totals		23 - 26

\* Please see the WCC website for current program and detailed admissions requirements and course information.  
[www.wccnet.edu/health](http://www.wccnet.edu/health)

**Additional Program Opportunities:** *Dental Assisting Certificate, Health Program Preparations Associate in Science Degree, Nursing Associate in Applied Science Degree, Pharmacy Technology Certificate, Physical Therapist Assistant Associate in Applied Science Degree, Radiography Associate in Applied Science Degree, Surgical Technology Associate in Applied Science Degree*

*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 I World History/Geography Biology World Language Phys Ed/Health	English 10 Geometry U.S. History/Geography Physics or Chemistry World Language Visual/Performing/Applied Arts	English 11 Algebra II Civics/Economics Mechatronics	English 12 Math Credit Science Credit Mechatronics

#### WASHTENAW COMMUNITY COLLEGE Program Layout by Semester

#### Mechatronics - Numerical Control Programming Concentration\* Associate in Applied Science

\*One of 3 possible concentrations

<b>Semester 1</b>		
FLP 101	Fluid Power Fundamentals - I	2
FLP 110	Fluid Power Fundamentals - II	2
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
Math	Elective(s)	3
Semester Total		15
<b>Semester 2</b>		
ELE 111	Electrical Fundamentals	4
MEC 100	Materials and Processes	3
<b>MEC 101</b>	<b>3D Modeling and Blueprint Reading</b>	<b>2</b>
MTT 102	Machining for Auto Applications	2
NCT 120	Introduction to 2D CAD CAM Programming and Applications	2
Semester Total		13
<b>Semester 3</b>		
MEC 201	Mechanisms	2
NCT 121	Manual Programming and NC Tool Operation	4
ROB 212	Robotics II	4
Arts/Human.	Elective(s)	3
Writing	Elective(s)	3
Semester Total		16
<b>Semester 4</b>		
NCT 221	Advanced Manual Programming and NC Tool Operation	4
ELE 224	Programmable Controllers (PLCs) I	4
ROB 222	Robotics Simulation	2
ROB 223	Robotics III	2
Soc. Sci.	Elective(s)	3
Semester Total		15
<b>Semester 5</b>		

Speech/Comp.	Elective(s)	3
Nat. Sci.	Elective(s)	3
MEC 224	Robotics IV	4
NCT 123	2D CAD CAM CNC Programming for Mills and Lathes	2
Semester Total		12
Program Totals		71

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

## 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 I World History/Geography Biology World Language Phys Ed/Health	English 10 Geometry U.S. History/Geography Physics or Chemistry World Language Visual/Performing/Applied Arts	English 11 Algebra II Civics/Economics Welding	English 12 Math Credit Science Credit Welding

#### WASHTENAW COMMUNITY COLLEGE

#### Welding Technology

#### Associate in Applied Science

<b>Semester 1</b>		
WAF 106	Welding Print Reading	3
WAF 109	Welding Safety and OSHA Regulations	2
WAF 125	Introduction to Welding Processes I	2
WAF 126	Introduction to Welding Processes II	2
NCT 120	Introduction to 2D CAD CAM Programming and Applications	2
Math	Elective(s)	3
Semester Total		14
<b>Semester 2</b>		
WAF 131	Thermal Cutting, Gouging and Weld Repair	3
WAF 130	Shield Metal Arc Welding (SMAW)	4
WAF 139	Basic Metal Fabrication	3
WAF 140	Inspection and Testing	3
Semester Total		13
<b>Semester 3</b>		
WAF 230	Advanced Shielded Metal Arc Welding (SMAW)	4
WAF 231	Gas Tungsten Arc Welding (GTAW)	4
WAF 232	Semi-Automatic Welding Processes	4
Writing	Elective(s)	3
Semester Total		15
<b>Semester 4</b>		
WAF 150	Automated Welding and Cutting	3
WAF 210	Welding Metallurgy	3
WAF 233	Submerged Arc and Flux Core Arc Welding	3
Speech	Elective(s)	3
Semester Total		12
<b>Semester 5</b>		
WAF 239	Advanced Metal Fabrication	3
Arts/Human.	Elective(s)	3
Nat. Sci.	Elective(s)	4
Soc. Sci.	Elective(s)	3
Semester Total		13

Program Totals		66
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*Please see the current Washtenaw Community College catalog for up-to-date program requirements.*

## 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 2017 and earn credit at Washtenaw Community College by the end of Fall semester 2019. Exception: Students entering the Nursing Program must meet program requirements at the time of entry into the program. Please see website for information: [www.wccnet.edu/health](http://www.wccnet.edu/health)
2. All federal, state, and accreditation mandates supersede this articulation agreement.

## Effective Dates

### Year 1:

Agreement start date: September 1, 2017  
H.S. Graduation during: 2018  
Last date to post credit: December 31, 2020

### Year 2:

Agreement start date: September 1, 2018  
H.S. Graduation during: 2019  
Last date to post credit: December 31, 2021

### Year 3:

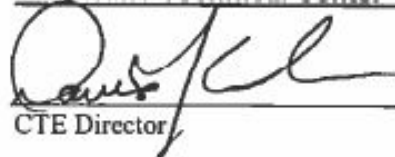
Agreement start date: September 1, 2019  
H.S. Graduation during: 2020  
Last date to post credit: December 31, 2022

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

<b>Program</b>	<b>Instructors</b>
Accounting/ Finance	Statewide Agreement
Automotive Services	Statewide Agreement
Collision Repair	Statewide Agreement
Business	Statewide Agreement
Computer Sys. Networking and Technology	Statewide Agreement
Computer Programming	Statewide Agreement
Construction	Statewide Agreement
Cosmetology	Statewide Agreement
Culinary Arts/Cooking	Statewide Agreement
Digital Media	Statewide Agreement
Graphic and Printing Technology	Statewide Agreement
Health Science	Statewide Agreement
Mechatronics	Statewide Agreement
Radio & Broadcasting Technology	Statewide Agreement
Welding	Statewide Agreement

**Signatures**

**Careerline Technical Center**

  
\_\_\_\_\_  
CTE Director

8/3/15  
Date

**Washtenaw Community College**

\_\_\_\_\_  
Kimberly Hurns, Dean  
Business & Computer Technologies

\_\_\_\_\_  
Date

\_\_\_\_\_  
Valerie Greaves, Dean  
Health Science

\_\_\_\_\_  
Date

\_\_\_\_\_  
Brandon Tucker, Dean  
Advanced Technologies and Public Service Careers

\_\_\_\_\_  
Date

\_\_\_\_\_  
Kristin Good, Dean  
Math, Science and Engineering Technology

\_\_\_\_\_  
Date



## **Addendum 2018-2019**

Updated program: revised WCC general education requirements and semester formats 8/1/18 mo  
Removed CUL 100 and WAF 105 as those courses were discontinued 11/30/18 jlg