

**Washtenaw Community College**  
**&**  
**Plymouth-Canton Schools**  
**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. 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 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 date 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**

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 Engine (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
* 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>2</sup>	Elective Credit (20cr)
<sup>2</sup> Students must present their Michigan State Board of Cosmetology License to be awarded credit.			
<b>Cooking and Related Culinary Arts</b> 12.0500		<b>Culinary &amp; Hospitality Management</b> 12.0504	
509	Hospitality and Culinary Arts	CUL 104	Baking Science (2cr)
		CUL 110 <sup>3</sup>	Sanitation and Hygiene (2cr)
		CUL 114	Fundamentals of Baking (3cr)
		CUL 116	Culinary Principles (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. Equivalencies valid for program using ProStart Curriculum.			
<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	Illustrator Graphics (3cr)
		GDT 107	InDesign (3cr)
		GDT 108	Photoshop Graphics (3cr)
	Photography		None at this time
	Photography		
<b>Health/Therapeutic Services</b> 51.0000		<b>Health Science</b> 51.1601	
	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 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>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>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> 10.0202		<b>Digital Video Production</b> 59.0602	
	Statewide Agreement	VID 105	Foundations in Digital Video I
<b>Welding</b> 48.0508		<b>Welding</b> 48.0508	
	Statewide Agreement	WAF 103	Introduction to Gas Tungsten Arc Welding (2cr)

## 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 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 Accounting	English 12 Math Social Studies Accounting

### 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
<b>Program Totals</b>		<b>64</b>

*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 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 Tech Center - Auto Body I	English 12 Math Social Studies Tech Center Auto Body 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
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 Social Studies Health/ Physical Ed Foreign Language  <b>Choice of Electives:</b> Visual/Performing/Applied Arts	English 10 Math Science Social Studies Foreign Language Auto Mechanics I  <b>Choice of Electives:</b>	English 11 Math Social Studies Science Advanced Auto Technology	English 12 Math Social Studies Advanced Auto Technology

#### 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, MTT 102 or WAF 105	2
Semester Total	* after passing additional exam	16
<b>Semester 2</b>		
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>		
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>		
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 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 Marketing	English 12 Math Social Studies Advanced Marketing or Marketing Management

#### WASHTENAW COMMUNITY COLLEGE

### Business

### Associate in Arts Degree

Semester 1		
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
Semester 2		
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
Semester 3		
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
Semester 4		
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

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

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

## 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
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>		
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
Program Totals		60

*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)

<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

Semester 1		
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
Semester 2		
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
Semester 3		
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
Semester 4		
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 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 Hospitality & Culinary Arts	English 12 Math Social Studies Hospitality & Culinary Arts

#### WASHTENAW COMMUNITY COLLEGE Culinary Arts & Management

#### Associate in Applied Science Degree

<b>Semester 1</b>		
CUL 110	Sanitation and Hygiene**	2
CUL 116	Fundamental Culinary Principles	3
CUL 118	Principles of Nutrition	3
CUL 145	Introduction to Dining Room Protocol	3
Math	Elective(s)	3
Writing/Composition	Elective(s)	3
Semester Total		16-17
<b>Semester 2</b>		
CUL 104	Baking Science	2
CUL 120	Classical Kitchen Operations	3
CUL 141	Principles of Cost Control	3
CUL 150	Management and Supervision	3
Writing/Composition or Communication	Elective(s)	3
Natural Science	Elective(s)	3
Semester Total		17
<b>Semester 3</b>		
CUL 114	Fundamentals of Baking	3
CUL 121	Modern Kitchen	3
CUL 208	Menu Planning	3
CUL 221	Culinary Purchasing	3
Elective	Select one of CUL 232, CUL 233, CUL 234, CUL 251	2
Arts and Humanities	Elective(s)	3
Semester Total		17
<b>Semester 4</b>		
CUL 115	Fundamentals of Pastry	3
CUL 210	Garde Manger	3
CUL 230	American Regional and Global Cuisines	3
CUL 245	Beverage Management	2
Soc. Sci.	Elective(s)	3
Elective	Select one of CUL 232, CUL 233, CUL 234, CUL 251	2
Semester Total		16
Program Totals		67

#### Footnotes:

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

Credit awarded for students taught using ProStart Curriculum.

## 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 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 Graphic Design	English 12 Math Social Studies Graphic Design

#### 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

### Photographic 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 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 Photographic Technology	English 12 Math Social Studies Photographic Technology

#### WASHTENAW COMMUNITY COLLEGE

#### Photographic Technology

#### Associate in Applied Science Degree

<b>Semester 1</b>		
Course #	Course Title:	Credit Hours
PHO 111	Photography I	4
PHO 122	Film and Darkroom Photography	3
PHO 127	Digital Photo Imaging I	4
Writing	Elective(s)	4
Semester Total		15
<b>Semester 2</b>		
Course #	Course Title:	Credit Hours
Math	Elective(s)	3
PHO 117	Introduction to the Studio	4
PHO 122 or 129	Darkroom Techniques or Black and White Digital Imaging	4
Rest. Elect. 1	Complete 3 credits of PHO electives (100 level and above)	3
Semester Total		15
<b>Semester 3</b>		
Course #	Course Title:	Credit Hours
PHO 103	History of Photography	3
PHO 211 or 220	Large Format Photography or Advanced Studio Techniques	3
PHO 228	Digital Photo Imaging II	4
Rest. Elect. 2	Complete an additional 9-12 credits of PHO electives (100 level and above)	3
Soc. Sci.	Elective(s)**	3
Semester Total		16
<b>Semester 4</b>		
Course #	Course Title:	Credit Hours
Writing	Elective(s)	3
Nat. Sci.	Elective(s)	3
PHO 230	Portfolio Projects	3
PHO 231	Portfolio Seminar	4
Rest. Elect. 3	Complete an additional 9-12 credits of PHO electives (100 level and above)	3
Semester Total		17
<b>Program Totals</b>		<b>62</b>

## 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

Semester 1		
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
Semester 2		
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
Semester 3		
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
Semester 4		
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
Program Totals		60

*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

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

<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 for 1-4 credits	1-4
PHL 244	Ethical and Legal Issues in Health Care	3
Computer Literacy	Elective	3
HCFELEC5	PSY 100 or SOC 100	3
Semester Total		14 -17
Program Totals		28 - 31

\* 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, Medical Assisting Certificate, 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*



## 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

### 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 supersedes 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.

## Participating Instructors

Program	Instructors
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
Photography	Barrie Lincourt, Plymouth- Canton Schools Jennifer Baker, Washtenaw Community College
Graphic and Printing Technology	Statewide Agreement
Health Science	Statewide Agreement
Mechatronics	Statewide Agreement
Radio & Broadcasting Technology	Statewide Agreement
Welding	Statewide Agreement

## Signatures

### Plymouth Canton Schools

\_\_\_\_\_  
Mark Bondy, Assistant Principal      Date  
CTE Director

### Washtenaw Community College

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

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

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

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

\_\_\_\_\_  
Department Chair/Instructor      Date  
Digital Media Arts

## 2018-2019 Addendum

Revised General Education Requirements 11/30/18 jlg  
Removed CUL 100 as course was discontinued 11/30/18 jlg

10/24/19 – revised culinary courses for Ypsilanti High School to include CUL 104, CUL 110, CUL 114 and CUL 116. Program is taught using ProStart Curriculum. Per Derek Anders