Washtenaw Community College
&
Capital Area Career Center
2014 - 2015 School Year
2015 - 2016 School Year
2016 - 2017 School Year

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 academic year. The articulation agreements will be continued for the 2015-2016 and 2017-2017 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 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.

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Secondary – Post-secondary Curriculum Aligned Course List

Statewide Agreement			Washtenaw Community College		
Course #	**Title** *CIP Code*		**Course #**	**Title** *CIP Code*	
Automobile Technician *47.0604*			**Auto Services** *47.0604*		
17166	Statewide Agreement		ASV 130	Automotive Maintenance *(4cr)*	
			ASV 131[1]	Automotive Electrical *(4cr)*	
[1] Students will be required to pass a written test prior to the award of credit. Please contact the Automotive Services Department.					
Business Admin., Mgmt. & Operations *52.0299*			**Business** *52.0000*		
	Statewide Agreement		BMG 140	Introduction to Business *(3cr)*	
Collision Repair Technician *47.0603*			**Auto Body Repair** *47.0603*		
	Statewide Agreement		ABR 111	Introduction to Auto Body Repair *(4cr)*	
			ABR 112	Introduction to Automotive Refinishing *(4cr)*	
Computer Sys. Networking and Technology *11.0901*			**Computer Systems and Networking** *11.0901*		
19863 19933	Statewide Agreement		CIS 100	Introduction to Computers and Software Applications *(3cr)*	
			CIS 110	Introduction to Computer Information Systems *(3cr)*	
Computer Systems Technology *52.0299*			*11.0000*		
19863 19933	Programming, Databases and Website Development Computer Science Academy		CST 118	MS Command Line Fundamentals *(2cr)*	
19863 19933	Programming, Databases and Website Development Computer Science Academy		CST 150	Computer Systems Technology *(5cr)*	
Computer Programming *11.0201*			**Information Systems** *11.0103*		
19863 19933	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.					
Construction Technology *46.000*			**Construction Technology** *46.0000*		
17791	Statewide Agreement		CON 108	Introduction to Construction Technology *(2cr)*	
			CON 104	Construction Framing I *(3cr)*	
Cosmetology *12.0400*			**Elective Credit**		
	Statewide Agreement		TRI 300[2]	Elective Credit *(20cr)*	
[2] Students must present their Michigan State Board of Cosmetology License to be awarded credit.					
Cooking & Related Culinary Arts *12.0500*			**Culinary & Hospitality Management** *12.0504*		
11448	Statewide Agreement		CUL 100	Introduction to Food Service and Hospitality Industry *(2cr)*	
			CUL 110[3]	Sanitation and Hygiene *(2cr)*	
			CUL 145	Introduction to Dining Room Protocol *(3cr)*	

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[3] 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.

Digital Multimedia 11.0801		Web Design and Development	11.0801
	Statewide Agreement	WEB 110	Web Development I *(4cr)*
		WEB 157	Dreamweaver *(3cr)*

Finance 52.0800		Accounting	52.0302
	Statewide Agreement	ACC 100	Accounting Practices for Business *(3cr)*
		ACC 131	Accounting Information Systems *(3cr)*

Graphic and Printing Technology 10.0301		Graphic Design	54.0409
83	Statewide Agreement	GDT 106	*Illustrator Graphics (3cr)*
		GDT 107	InDesign *(3cr)*
		GDT 108	Photoshop Graphics *(3cr)*

Health/Therapeutic Services 51.0000		Health Science	51.1601
16505 19056 19259	Statewide Agreement	HSC 100[4]	Basic Nursing Assistant Skills *(4cr)*
		HSC 101	Healthcare Terminology *(1cr)*
		HSC 131[5]	CPR/AED for the Professional Rescuer and First Aid *(1cr)*

[4] 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 http://www4.wccnet.edu/departments/health/

[5] 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.

Mechatronics 14.4201		Mechatronics	15.0405
84	Statewide Agreement	MEC 101	3D Modeling and Blueprint Reading *(2cr)*
		ROB 101	Robotics I-I *(2cr)*

Radio & TV Broadcasting Technology 10.0202		Digital Video Production	59.0602
	Statewide Agreement	VID 105	Foundations in Digital Video I *(4cr)*

Welding 48.0508		Welding	48.0508
95	Statewide Agreement	WAF 103	Introduction to Gas Tungsten Arc Welding *(2cr)*
		WAF 288	Gas Metal Arc Welding *(4cr)*

Welding	48.0501		48.0508
85	Welding Technology	WAF 105	Introduction to Welding Processes *(2cr)*
85	Welding Technology	WAF 111	Oxy-fuel Welding *(4cr)*

[6] Note: students will be awarded a maximum of 4 additional credit hours in Welding.

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Accounting/Finance
HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th 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

Semester 1		
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
Semester Total		14
Semester 2		
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
Semester Total		12
Semester 3		
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
Semester Total		15
Semester 4		
Nat. Sci.	Elective(s)	4
Arts/Human.	Elective(s)	3
ACC 225	Managerial Cost Accounting	3
BMG 265	Business Statistics	3
Semester Total		13
Semester 5		
COM 101	Fundamentals of Speaking	3
Soc. Sci.	Elective(s)	3
BMG 207	Business Communication	3
ECO 222	Principles of Economics II	3
Semester Total		12
Program Totals		66

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

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Algebra Science Social Studies Health/ Physical Ed Foreign Language *Choice of Electives:* Visual/Performing/Applied Arts	English 10 Math Science Social Studies Foreign Language *Choice of Electives:*	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

Semester 1		
ABR 111	Introduction to Auto Body Repair	4
ABR 112	Introduction to Automotive Refinishing	4
Rest. Elect	Restricted Electives	4
Semester Total		12
Semester 2		
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
Semester 3		
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.

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Secondary / Post-Secondary Program Alignment

Automotive Technologies

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th 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

Semester 1		
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
Semester 2		
ASV 132	Automotive Engines	4
ASV 133	Automotive Fuel	4
ASV 134	Automotive Transmission	4
Comp Lit	Elective	3
Semester Total		15
Semester 3		
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
Semester 4		
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

* Students will be required to pass a written test prior to the award of credit for ASV131. Please contact the Automotive Services Department.

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

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Secondary / Post-Secondary Program Alignment

Business

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th 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 *or Elective* Algebra 3/4 *or Elective* U.S. History Computer Applications 1	English Elective Physics *or Elective* Math Analysis *or Elective* U.S. Government Business

WASHTENAW COMMUNITY COLLEGE

Business   **Associate in Arts Degree**

Semester 1		
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
BMG 140	Introduction to Business	3
CIS 110	Introduction to Computer Information Systems	3
Semester Total		17
Semester 2	___Fall ___Winter ____Spring/Summer _x_ Any	
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
Semester 3	___Fall ___Winter ___Spring/Summer _x_ Any	
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
Semester 4	___Fall ___Winter ___Spring/Summer _x_ Any	
Arts/Human.	Elective(s)***	3
Arts/Human.	Elective(s)***	3
ECO 222	Principles of Economics II	3
Nat. Sci.	Elective(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

Additional Program Opportunities: *Accounting Associate Degree, Culinary and Hospitality 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

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Math 9 Science 9 Physical Education Computers Health Elective	English 10 Math 10 Science 10 U.S. History Elective Elective	American Lit and Comp Government Elective Elective Construction Technology I	English Consumer Economic Elective Social Studies Construction Technology II

WASHTENAW COMMUNITY COLLEGE
Construction Technology

Associate in Science Degree

Semester 1		
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
Semester 2	___Fall ___Winter ___Spring/Summer __x_ Any	
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
Semester 3	___Fall ___Winter ___Spring/Summer __x__ Any	
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
Semester 4	___Fall ___Winter ___Spring/Summer __x__ Any	
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
Program Totals		61

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

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Secondary / Post-Secondary Program Alignment

Computer Sys. Networking & Technology

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade

English 9
Math 9
Science 9
Physical Education
Computers
Health
Elective
	English 10
	Math 10
	Science 10
	U.S. History
	Elective
	Elective
		American Lit and Comp
		Government
		Elective
		Elective
		Applied Computer
		  Technology
			English
			Consumer Economic
			Elective
			Social Studies
			Applied Computer
			  Technology

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

Semester 1		
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
Semester 2	___Fall ___Winter ___Spring/Summer _X_ Any	
Writing	Elective(s)	3
Math	Elective(s)	3
CIS 121	Linus/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
Semester 3	___Fall ___Winter ___Spring/Summer _X_ Any	
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
Semester 4	___Fall ___Winter ___Spring/Summer _X_ Any	
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

9th Grade	10th Grade	11th Grade	12th 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		
COM 225	Intercultural Communication	3
Computer Lit	Computer Literacy (if CIS 100 is used)	3
CPS 171	Introduction to Programming with C++	4
ENG 111	Composition I	4
Semester Total		14
Semester 2		
Arts/Human.	Elective(s)****	3
CIS 121	Linux/UNIX I: Fundamentals	3
CPS 271	Object Features of C++	4
ENG 226	Composition II	3
Math	MTH 176 or higher 4 credit	4
Semester Total		17
Semester 3		
Nat. Sci.	Elective(s)***	4
CPS 276	Web Programming Using Apache, MySQL and PHP	4
Elective	Elective for minimum of 60	4
Soc. Sci.	Elective(s)	3
Semester Total		15
Semester 4		
Soc. Sci.	Elective(s)	3
Soc. Sci.	Elective(s)	3
Arts/Human.	Elective(s)****	3
Elective	Elective for minimum of 60	4
CPS 272	Data Structures with C++	4
Semester Total		17
Program Totals		63

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

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Secondary / Post-Secondary Program Alignment

Cooking and Related Culinary Arts

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Math 9 Science 9 Physical Education Computers Health Elective	English 10 Math 10 Science 10 U.S. History Elective Elective	American Lit and Comp Government Elective Elective Culinary Arts/Hospitality I	English Consumer Economic Elective Social Studies Culinary Arts/Hospitality II

WASHTENAW COMMUNITY COLLEGE
Culinary and Hospitality Management   **Associate in Applied Science**

Semester 1		
CUL 100	Introduction to Food Service and Hospitality Industry	2
CUL 110	Sanitation and Hygiene**	2
Arts & Human.	Elective	3
Writing	Elective	3
Math	Elective	4
Semester Total		14
Semester 2		
Speech	Elective(s)	3
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
Semester Total		17
Semester 3		
Social Science	Elective(s)	3
Nat. Sci.	Elective(s)	3
Semester Total		6
Semester 4		
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
Semester 5		
CUL 210	Advanced Kitchen Operations: Garde Manger	3
CUL 224	Principles of Cost Control	3
CUL 226	Advanced Dining Room and Beverage Management	3
CUL 230	Advanced Kitchen Operations: American Regional	3
CUL 231	Advanced Kitchen Operations: Global Cuisines	3

Semester Total		15
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

9th Grade	10th Grade	11th Grade	12th Grade

English 9
Math 9
Science 9
Physical Education
Computers
Health
Introduction to Graphic
   Communication
	English 10
	Math 10
	Science 10
	U.S. History
	Elective
	Graphic Communications I
		American Lit and Comp
		Government
		Elective
		Elective
		Graphic Communications II
			English
			Consumer Economic
			Elective
			Social Studies
			Imaging Design
			   Technology

WASHTENAW COMMUNITY COLLEGE Program Layout by Semester

Graphic Design   **Associate in Applied Science**

Semester 1		
ENG 107 or 111	Technical Writing I or Composition I	3
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		17
Semester 2		
Speech	Elective(s)	3
Restrict Elect	Elective(s)	3
GDT 100	Typography I	4
GDT 112	Principles and Problem Solving in Graphic Design	4
INP 170	Web Coding II	3
Semester Total		17
Semester 3		
GDT 220	Publication Design	4
INP 154	Interaction Design I	4
MTH 125 or higher	Everyday College Math or higher	4
Restricted	Elective(s)	3
Semester Total		15
Semester 4		
GDT 252	Advanced Digital Studio	4
GDT 290	Professional Practices	4
Nat. Sci.	Elective(s)	4
INP 254	Interaction Design II	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

Radio & TV Broadcasting Technology

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th 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		
Computer Lit	Elective(s)*	3
ENG 111	Composition I	4
HUM 150	International Cinema	3
Speech	Elective (s)	3
VID 105	Foundations in Digital Video I	4
Semester Total		17
Semester 2		
HUM 160	American Film	3
VID 125	Foundations in Digital Video II	4
VID 180	Television Studio I	4
VID 255	Green Screen I	3
Math	Elective(s)	4
Semester Total		18
Semester 3		
ENG 226	Composition II	3
VID 210	Screenplays	3
VID 276	Video Graphics I	3
VID	Elective(s)	3
Soc. Sci.	Elective(s)	3
Semester Total		15
Semester 4		
Nat. Sci.	Elective(s)	4
Soc. Sci.	Elective(s)	3
VID 203	Web Video	3
VID 295	Portfolio and Project Seminar	3
Semester Total		13
Program Totals		63

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

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Secondary / Post-Secondary Program Alignment

DIGITAL MEDIA ARTS

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Math 9 Science 9 Physical Education Computers Health Elective	English 10 Math 10 Science 10 U.S. History Elective Elective	American Lit and Comp Government Elective Elective Applied Computer Technology	English Consumer Economic Elective Social Studies Applied Computer Technology

WASHTENAW COMMUNITY COLLEGE

Web Design and Development - Web Design Concentration   **Associate in Applied Science**

Semester 1		
ENG 107 or 111	Technical Writing I or Composition I	4
WEB 110	Web Development I	4
WEB 113	Web User Experience I	4
WEB 115	Introduction to Interface Design	4
Semester Total		16
Semester 2		
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
Semester 3		
Arts/Human.	Elective(s)*	3
Social Science	Elective(s)*	3
WEB 235	Advanced Interface Design	4
Elective	Any course from ANI, GDT, PHO, VID or WEB	3
Elective	WEB 233 or any GDT Course	4
Semester Total		17
Semester 4		
Nat. Sci.	Elective(s)*	4
Math	Elective(s)*	4
Elective	Any 100 level ANI, GDT, PHO, VID or WEB for of 60 cr. hours	3
WEB 255	Interaction Design	4
Semester Total		15
Program Totals		63

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

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Math 9 Science 9 Physical Education Computers Health Elective	English 10 Math 10 Science 10 U.S. History Elective Elective	American Lit and Comp Government Elective Elective Health Occupations Technology I	English Consumer Economic Elective Social Studies Health Occupations Technology II

WASHTENAW COMMUNITY COLLEGE
Health Care Foundations *   Certificate
* Please see the WCC website for other programs and detailed admissions requirements. www.wccnet.edu/health

Semester 1		
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
Semester 2		
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

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*

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

Secondary / Post-Secondary Program Alignment

Mechatronics

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade

English 9
Math 9
Science 9
Physical Education
Computers
Health
Elective
	English 10
	Math 10
	Science 10
	U.S. History
	Elective
	Elective
		American Lit and Comp
		Government
		Elective
		Elective
		Manufacturing
		  Engineering
		  Technology Cluster I
			English
			Consumer Economic
			Elective
			Social Studies
			Manufacturing Engineering
			  Cluster II

WASHTENAW COMMUNITY COLLEGE Program Layout by Semester

Mechatronics - Numerical Control Programming Concentration* **Associate in Applied Science**
*One of 3 possible concentrations

Semester 1		
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
ROB 101	Robotics I - I	2
ROB 110	Robotics I - II	2
Math	Elective(s)	3
Semester Total		15
Semester 2		
ELE 111	Electrical Fundamentals	4
MEC 100	Materials and Processes	3
MEC 101	3D Modeling and Blueprint Reading	2
MTT 102	Machining for Auto Applications	2
Semester Total		11
Semester 3		
MEC 201	Mechanisms	2
NCT 121	Manual Programming and NC Tool Operation	4
ROB 212	Robotics II	4
Speech	Elective(s)	3
Writing	Elective(s)	3
Semester Total		16
Semester 4		
NCT 221	Advanced Manual Programming and NC Tool Operation	4
ELE 224	Introduction to PLCs	4
ROB 222	Robotics Simulation	2
ROB 223	Robotics III	2
Soc. Sci.	Elective(s)	3
Semester Total		15
Semester 5		
Arts/Human.	Elective(s)	3

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Nat. Sci.	Elective(s)	4
MEC 224	Robotics IV	4
NCT 249	CAD/CAM CNC Programming	4
Semester Total		15
Program Totals	Program Totals	72

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

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Secondary / Post-Secondary Program Alignment

Welding

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade
9th Grade English (112) Algebra I Biology World History Physical Ed Elective Health	10th Grade English (120) Geometry 10th Grade Science Elective United States History	Classics of American Literature and choice of other 11th Grade English Math Science Manufacturing Cluster	Senior English or Effective Communications Math Government Manufacturing Cluster

WASHTENAW COMMUNITY COLLEGE

Welding   **Associate in Applied Science**

Semester 1		
Math	Elective(s)*	3
WAF 105	Introduction to Welding Processes	2
WAF 111	Oxy-fuel Welding	4
WAF 112	Shielded Metal Arc Welding	4
Semester Total		13
Semester 2		
Speech	Elective(s)	3
WAF 106	Blueprint Reading for Welders	3
WAF 123	Advanced Oxy-fuel Welding	4
WAF 124	Advanced Shielded Metal Arc Welding	4
Semester Total		14
Semester 3		
Arts/Human.	Elective(s)	3
Computer Lit.	Elective(s)	3
WAF 215	Advanced Gas Tungsten Arc Welding	4
WAF 288	Gas Metal Arc Welding	4
Semester Total		14
Semester 4		
WAF 200	Layout Theory Welding	3
WAF 210	Welding Metallurgy	3
Soc. Sci.	Elective(s)	3
WAF 226	Specialized Welding Procedures	4
Semester Total		13
Semester 5		
Nat. Sci.	Elective(s)	4
WAF 227	Basic Fabrication	3
WAF 229	Shape Cutting Operations	3
Writing	Elective(s)	3
Semester Total		13
Program Totals		67

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 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. Please see website for information: www.wccnet.edu/health
2. All federal, state, and accreditation mandates supersede 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:

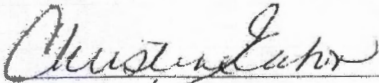|	
Agreement start date:	September 1, 2015
H.S. Graduation during:	2016
Last date to post credit:	December 31, 2018

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.

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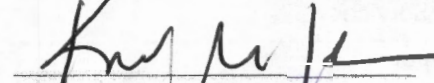| Program	Instructors
Accounting/ Finance	Statewide Agreement
Automotive Services	Statewide Agreement
Collision Repair	Statewide Agreement
Business	Statewide Agreement
Computer Systems Technology	John Trame, Washtenaw Community College
Computer Sys. Networking and Technology	Statewide Agreement
Computer 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 Jeffrey Grossman, Capital Area Career Center Instructor Glenn Kay II, Washtenaw Community College

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Signatures

Capital Area Career Center

Christine Eaton   8/19/15

Christine Eaton   Date
CTE Curriculum Coordinator

Washtenaw Community College

[signature]   9/28/15
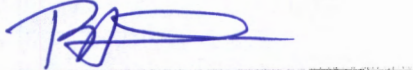
Kimberly Hurns, Dean   Date
Business & Computer Technologies

Valerie Greaves   9-27-15
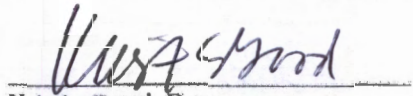
Valerie Greaves, Dean   Date
Health Science

[signature]   11/13/15
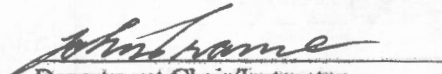
Brandon Tucker, Dean   Date
Advanced Technologies and Public Service Careers

[signature]   10.26.15

Kristin Good, Dean   Date
Math, Science and Engineering Technology

[signature]   10/27/15

Department Chair/Instructor   Date
Computer Instruction

Glenn Kay II   9·23·15

Department Chair/Instructor   Date
Welding and Fabrication

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