Washtenaw Community College
&
Lenawee Intermediate School District
LISD Technical Center
2017 - 2018 School Year
2018 - 2019 School Year
2019 - 2020 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 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.

Statewide Agreement		Washtenaw Community College	
Course #	Title *CIP Code*	Course #	Title *CIP Code*
Automobile Technician *47.0604*		**Auto Services** *47.0604*	
	Statewide Agreement	ASV 130	Automotive Maintenance *(4cr)*
		ASV 132	Automotive Engine *(4cr)*
Business Admin., Mgmt. & Operations *52.0299*		**Business** *52.0000*	
	Statewide Agreement	BMG 140	Introduction to Business *(3cr)*
Marketing *52.1990*		**Business** *52.0000*	
	Entrepreneurship, Marketing and Finance	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*	
	Statewide Agreement	CIS 100	Introduction to Computers and Software Applications *(3cr)*
		CIS 110	Introduction to Computer Information Systems *(3cr)*
	Computer Networking Services	CNT 216	Internetworking II – Routers
	Computer Networking Services	CNT 226	Internetworking III – Switches
	Computer Networking Services	CNT 236	Internetworking IV - WANS
Computer Programming *11.0201*		**Information Systems** *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.			
Computer Systems Technology *45.000*		*11.0000*	
	Alternative Energy and Robotics	CST 118	MS Command Line Fundamentals *(2cr)*
	Alternative Energy and Robotics	CST 160	Computer Technology I *(4cr)*
Construction Technology *46.000*		**Construction Technology** *46.0000*	
	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 and Related Culinary Arts *12.0500*		**Culinary & Hospitality Management** *12.0504*	
509	Hospitality and Culinary Arts	CUL 104	Baking Science *(2cr)*
		CUL 110[3]	Sanitation and Hygiene *(2cr)*

WCC Office of Curriculum and Assessment

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		CUL 114	Fundamentals of Baking *(3cr)*
		CUL 116	Culinary Principles *(3cr)*

[3] 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.

Digital Multimedia *11.0801*		**Web Design and Development** *11.0801*	
	Statewide Agreement	WEB 110	Web Development I *(4cr)*
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 *11.0301*		**Graphic Design** *54.0409*	
	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*	
	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*	
	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
Welding *48.0508*		**Welding** *48.0508*	
	Statewide Agreement	WAF 103	Introduction to Gas Tungsten Arc Welding *(2cr)*
	Advanced Manufacturing	WAF 105	Introduction to Welding Processes *(2cr)*

Secondary / Post-Secondary Program Alignment

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		
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
Semester 2		
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
Semester 3		
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
Semester 4		
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

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.

Secondary / Post-Secondary Program Alignment

Automotive Technologies

HIGH SCHOOL COURSE SEQUENCE

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

English 9
Math 9
History 9
Science 9
Health
PE
	English 10
	Math 10
	History
	Science 10
	Computers
		English 11
		Math Elective
		Government
		Science Elective
		Automotive Services
		    Technology
			English Elective
			Math Elective
			History Elective
			Automotive Services
			    Technology

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, ASV 135, MTT 102 or WAF 105	2
Semester Total		16
Semester 2		
ASV 132	Automotive Engines	4
ASV 133	Automotive Fuel	4
ASV 134	Automotive Transmission	4
Elective	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/Comp.	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

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

Secondary / Post-Secondary Program Alignment

Business

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Math 9 History 9 Science 9 Health PE	English 10 Math 10 History Science 10 Computers	English 11 Math Elective Government Science Elective	English Elective Math Elective History Elective Entrepreneurship, Marketing and Finance

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
BMG 140	Introduction to Business	3
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
CIS 110	Introduction to Computer Information Systems	3
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

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

Marketing

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Math 9 History 9 Science 9 Health PE	English 10 Math 10 History Science 10 Computers	English 11 Math Elective Government Science Elective	English Elective Math Elective History Elective Entrepreneurship, Marketing and Finance

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
BMG 140	Introduction to Business	3
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
CIS 110	Introduction to Computer Information Systems	3
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

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 History 9 Science 9 Health PE	English 10 Math 10 History Science 10 Computers	English 11 Math Elective Government Science Elective Building Trades/Residential Construction	English Elective Math Elective History Elective Building Trades/Residential Construction

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		
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
Semester 3		
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
Semester 4		
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

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

English 9
Math 9
History 9
Science 9
Health
PE
	English 10
	Math 10
	History
	Science 10
	Computers
		English 11
		Math Elective
		Government
		Science Elective
		Alternative Energy &
		  Robotics
			English Elective
			Math Elective
			History Elective
			Alternative Energy &
			  Robotics

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/Comp.	Elective(s)	3
Semester Total		16
Semester 2		
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	Installation, Storage and Compute Windows Server 2016	4
Semester Total		17
Semester 3		
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
Semester 4		
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 Math 9 History 9 Science 9 Health PE	English 10 Math 10 History Science 10 Computers	English 11 Math Elective Government Science Elective Alternative Energy & Robotics	English Elective Math Elective History Elective Alternative Energy & Robotics

WASHTENAW COMMUNITY COLLEGE
Information Systems: Programming in C++   Associate in Science

Semester 1		
Speech/Comp	Elective(s)	3
Nat. Sci	Elective(s)	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	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
Program Totals		60

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

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Math 9 History 9 Science 9 Health PE	English 10 Math 10 History Science 10 Computers	English 11 Math Elective Government Science Elective Hospitality and Culinary Arts	English Elective Math Elective History Elective Hospitality and Culinary Arts

WASHTENAW COMMUNITY COLLEGE
Culinary Arts & Management   **Associate in Applied Science Degree**

Semester 1		
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
Semester 2		
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
Semester 3		
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
Semester 4		
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.

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 History 9 Science 9 Health PE	English 10 Math 10 History Science 10 Computers	English 11 Math Elective Government Science Elective Graphic Imaging Technology	English Elective Math Elective History Elective Graphic Imaging Technology

WASHTENAW COMMUNITY COLLEGE Program Layout by Semester

Graphic Design   Associate in Applied Science

Semester 1		
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
Semester 2		
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
Semester 3		
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
Semester 4		
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

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Math 9 History 9 Science 9 Health PE	English 10 Math 10 History Science 10 Computers	English 11 Math Elective Government Science Elective Video & Audio Production	English Elective Math Elective History Elective Video & Audio Production

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
VID 105	Foundations in Digital Video I	4
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

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 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**

Semester 1		
ENG 111	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
COM 101	Fundamentals of Speaking	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	3
Semester Total		16
Semester 4		
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
Program Totals		60

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

Health Science Technology

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 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

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*

Secondary / Post-Secondary Program Alignment

Mechatronics

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 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

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
NCT 120	Introduction to 2D CAD CAM Programming and Applications	2
Semester Total		13
Semester 3		
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
Semester 4		
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
Semester 5		

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

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 Welding	English 12 Math Credit Science Credit Welding

WASHTENAW COMMUNITY COLLEGE

Welding   **Associate in Applied Science**

Semester 1		
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
Semester 2		
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
Semester 3		
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
Semester 4		
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
Semester 5		
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

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
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
Graphic and Printing Technology	Statewide Agreement
Health Science	Statewide Agreement
Mechatronics	Statewide Agreement
Radio & Broadcasting Technology	Statewide Agreement
Welding	Statewide Agreement

Signatures

<u>LISD Tech Center</u>   <u>Washtenaw Community College</u>

JEnny Heath   8/4/2015

Jenny Heath, Assistant Principal   Date
Curriculum and Instruction

_____   _____
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
Business

_____   _____
Department Chair/Instructor   Date
Computer Instruction

_____   _____
Department Chair/Instructor   Date
Welding and Fabrication

Addendum 2018-2019

Updated program: revised WCC general education requirements and semester formats 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