Washtenaw Community College
&
Livingston Educational Services Agency
Livingston Applied Technology Education Consortium
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.

WCC Office of Curriculum and Assessment
LESA Agreement 17-18 through 19-20.doc
1 of 24
Updated October 2017

Secondary – Post-secondary   Curriculum Aligned Course List

All Schools			Washtenaw Community College		
Course #	Title *Code*	*CIP*	Course #	Title	*CIP Code*
Finance		*52.0800*	**Accounting**		*52.0302*
	Statewide Agreement		ACC 100	Accounting Practices for Business *(3cr)*	
			ACC 131	Accounting Information Systems *(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)*	
Automobile Technician		*47.0604*	**Auto Services**		*47.0604*
	Statewide Agreement			Pending approval of faculty	

[1] Students will be required to pass a written test prior to the award of credit. Please contact the Automotive Services Department.

All Schools			Washtenaw Community College		
Business Admin., Mgmt. & Operations		*52.0299*	**Business**		*52.0000*
	Statewide Agreement		BMG 140	Introduction to Business *(3cr)*	
Business Office Systems *Howell*		*52.0299*	**Business Office Administration**		*52.0402*
570	Business Office Administration		BOS 101A	Introduction to Keyboarding *(1cr)*	
570	Business Office Administration		BOS 101B	Intermediate Keyboarding *(1cr)*	
570	Business Office Administration		BOS 101C	Advanced Keyboarding *(1cr)*	
Business Office Systems *Pinckney*		*52.0299*	**Business Office Administration**		*52.0402*
BUS 01523	Business Office Administration		BOS 101A	Introduction to Keyboarding *(1cr)*	
BUS 01555	Business Office Administration		BOS 101B	Intermediate Keyboarding *(1cr)*	
BUS 1553	Business Office Administration		BOS 101C	Advanced Keyboarding *(1cr)*	
Computer Systems Technology Pinckney		*11.0000*	**Computer Systems and Networking**		*11.000*
	Cisco Academy CCNA Course 1		CST 118	MS Command Line Fundamentals *(2cr)*	
	Cisco Academy CCNA Courses 1 & 2		CST 160	Computer Technology I *(4cr)*	
	CompTIA Security+ Bootcamp		CSS 200	Introductions to Network Security – Security+ (4cr)	
	Hacking Essentials		CSS 205	Essentials of Penetrating Testing (4cr)	
	Cisco Academy CCNA Course 1		CNT 206	Internetworking I – Fundamentals *(4cr)*	
	Cisco Academy CCNA Courses 2		CNT 216	Internetworking II – Routers *(4cr)*	
	Cisco Academy CCNA Course 3		CNT 226	Internetworking III – Switches *(4cr)*	
	Cisco Academy CCNA Courses 1 & 2		CNT 236	Internetworking IV – WANs *(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 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.				

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**	
	Cosmetology	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*	
	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)*	

[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)*	

Graphic and Printing Technology *10.0301*			**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		*Pending review by faculty*	

Radio & TV Broadcasting Technology *10.0202*			**Digital Video Production** *59.0602*	
	Radio & TV Broadcasting	VID 105	Foundations in Digital Video I	

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

Howell	**Welding** *48.0501*			*48.0508*
691	Manufacturing Cluster		Pending review by faculty	

Pinckney	**Welding** *48.0501*			*48.0508*
01864S1	Machine Technology 2		Pending review by faculty	

Secondary / Post-Secondary Program Alignment

Accounting
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

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 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

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 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		
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		
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		
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

Secondary / Post-Secondary Program Alignment

Business Office Systems

HIGH SCHOOL COURSE SEQUENCE

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

WASHTENAW COMMUNITY COLLEGE
Business Office Administration – Office Management Concentration
Associate in Applied Science Degree

Semester 1		
Course #	Course Title:	Credit Hours
BOS 101C	Advanced Keyboarding	1
BOS 106	Electronic Planning, Sharing and Organization	3
BOS 206	Personal Management Application and Internet Resources	2
Writing	Elective	4
Math	Elective	4
Semester Total		14
Semester 2		
Course #	Course Title:	Credit Hours
Arts/Human.	Elective(s)	3
ACC 100	Accounting Practices for Business	3
BOS 157	Word Processing and Document Formatting I	3
BOS 184	Spreadsheet Software Applications I	3
CIS 117	Windows Operating System	2
Semester Total		14
Semester 3		
Course #	Course Title:	Credit Hours
ACC 110	Payroll Accounting	2
BMG 155	Business on the Internet	3
BOS 207	Presentation Software Applications	2
BOS 257	Word Processing and Document Formatting II	3
COM 101	Fundamentals of Speaking	3
Semester Total		13
Semester 4		
Course #	Course Title:	Credit Hours
BMG 200	Human Relations in Organizations	3
BMG 207	Business Communication	3
BOS 182	Database Software Applications	3
Nat. Sci.	Elective(s)*	4
Semester Total		13
Semester 5		

Course #	Course Title:	Credit Hours
BMG 240	Human Resources Management	3
BMG 279	Performance Management	3
BOS 250	Office Administration II	4
Soc. Sci.	Elective(s)	3
Semester Total		13
Program Totals		67

Additional Program Concentrations are available. See the WCC website for additional options.

Secondary / Post-Secondary Program Alignment

Construction Technology

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th 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 *or Elective* Algebra 3/4 *or Elective* U.S. History Homebuilding I	English Elective Physics *or Elective* Math Analysis *or Elective* U.S. Government Homebuilding 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		
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		
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		
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

Secondary / Post-Secondary Program Alignment

Computer Sys. Networking & Technology

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)
		Graphic Communications
		  (914)
			English Elective
			Visual Imaging Technology
			(924)
			Web Authoring (522)

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

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		
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		
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		
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.

Secondary / Post-Secondary Program Alignment

Cooking and Related Culinary 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 Cooking & related Culinary Arts	English 12 Math Credit Science Credit Cooking & related Culinary Arts

WASHTENAW COMMUNITY COLLEGE Program Layout by Semester

Culinary and Hospitality Management   **Associate in Applied Science**

Semester 1		
Course #	Course Title:	Credit Hours
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		
Course #	Course Title:	Credit Hours
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		
Course #	Course Title:	Credit Hours
Social Science	Elective(s)	3
Nat. Sci.	Elective(s)	3
Semester Total		6
Semester 4		
Course #	Course Title:	Credit Hours
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		

Course #	Course Title:	Credit Hours
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

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

WASHTENAW COMMUNITY COLLEGE Program Layout by Semester

Graphic Design   Associate in Applied Science

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.

Secondary / Post-Secondary Program Alignment

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 Program Layout by Semester

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 to meet minimum of 60 credit 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.

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 – Nursing Intent   **Certificate**

* Please see the WCC website for program and detailed admissions requirements and course information.
www.wccnet.edu/health

Semester 1		
BIO 111	Anatomy and Physiology - Normal Structure and Function	5
COM 101, 102 or 200	Fundamentals of Speaking, Interpersonal Communication or Family Communication	3
ENG 111	Composition I	4
HSC 100	Basic Nursing Assistant Skills	4
Semester Total		16
Semester 2		
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 167	Math Applications for Health Science	3
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3
Semester Total		11
Program Totals		27

* Please see the WCC website for program and detailed admissions requirements and course information.
www.wccnet.edu/health

Additional Program Opportunities:
Dental Assisting
Health Program Preparations Associate Degree
Medical Assisting
Nursing
Pharmacy Technology
Physical Therapist Assistant Associate Degree
Radiography Associate Degree
Surgical Technology

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
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

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.

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		
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 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
Business Office Systems	Aaron Metz, Business Services Technology Penny Ventrone, Pinckney High School Amy Loskowski, Washtenaw Community College
Computer Sys. Networking and Technology	Statewide Agreement John Trame, Washtenaw Community College
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 Randy Schafer, Howell High School Mark Stein, Pinckney High School Glenn Kay II, Washtenaw Community College