Washtenaw Community College
&
Michigan High Schools
2020 - 2021 School Year
2021 - 2022 School Year
2022 - 2023 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 2020-2021 academic year. The articulation agreements will be continued for the 2021-2022 and 2022-2023 academic 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.

Articulated High School credit is intended to be used toward the completion of a Washtenaw Community College degree or certificate. An articulation agreement between a high school and WCC requires a high school to certify to WCC that the student has achieved the agreed upon level of knowledge and skills from a particular course. Once accepted by WCC, High School articulated credit may not transfer to other colleges or universities. WCC makes no guarantees whether other institutions accept credit hours or count articulated high school credit toward the completion of their degree requirements. Students should check with the college/university they are transferring to from WCC in order to see if the credits are eligible for transfer.

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 Engines *(4cr)*	
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*
	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)*	
*This program is being discontinued at WCC, and the 2020-21 school year will be the last year credit is awarded for this program.				
Cosmetology *12.0400*		**Elective Credit**		
	Statewide Agreement	TRI 300[1]	Elective Credit *(20cr)*	
[1]Students must present their Michigan State Board of Cosmetology License to be awarded credit.				
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	QuickBooks Software *(3cr)*	

Graphic and Printing Technology 10.0301		Graphic Design	54.0409
	Statewide Agreement	GDT 106	*Illustrator Graphics (3cr)*
		GDT 108	Photoshop Graphics *(3cr)*
Health/Therapeutic Services 51.0000		**Health Science**	51.1601
	Statewide Agreement	HSC 100[3]	Basic Nursing Assistant Skills *(4cr)*
		HSC 101	Healthcare Terminology *(1cr)*
		HSC 131[4]	CPR/AED for the Professional Rescuer and First Aid *(1cr)*

[3] 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/

[4] 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	Blueprint Reading for Manufacturing *(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)*

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

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
Transportation Technologies, Auto Body Concentration   **Associate in Applied Science**

Semester 1		
ABR 111	Introduction to Auto Body Repair	4
ABR 112	Introduction to Automotive Refinishing	4
ABR 114	Applied Auto Body Welding	2
Math	Elective	3
Writing/Comp.	Elective	3
Semester Total		16
Semester 2		
ABR 113	Estimating and Shop Operations	4
ABR 119	The Art of Metal Shaping	2
ABR 123	Technical Auto Body Repair	4
ABR 124	Technical Automotive Refinishing	4
Rest. Elect.	Select a minimum of 2 credits from ABR 116, ABR 130, ABR 231, MST 106, or MST 230	2
Semester Total		16
Semester 3		
ABR 140	Technical Automotive Refinishing	4
ABR 135 or ABR 130	Collision-Related Mechanical and Electrical Repairs or Automotive Maintenance	4
Rest. Elect	Select a minimum of 2 credits from ABR 116, ABR 130, ABR 231, MST 106, or MST 230	2
Writ. or Comm.	Writing/Composition or Communication	3
Arts/Hum	Elective	3
Semester Total		16
Semester 4		
ABR 201	Lightweighting Composite Repair	4
Rest. Elect	Select a minimum of 2 credits from ABR 116, ABR 130, ABR 231, MST 106, or MST 230	2
Nat. Science	Elective	3
Soc. Science	Elective	3
Semester Total		12
Program Totals		60

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
Transportation Technologies, Auto Service Concentration   **Associate in Applied Science**

Semester 1		
ASV 130	Automotive Maintenance	4
ASV 131*	Automotive Electrical	4
Math	Elective	3
Writing	Elective	3
ASV Elect	ABR 111, ABR 114, ASV 174, ASV 269, ASV 270, ASV 277, ASV 279, CST 185, MST 110, 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
ASV 135	Facility Operations	3
ASV Elect	ABR or WAF 103	2
Semester Total		17
Semester 3		
ASV 254	Suspension and Steering	2
ASV 255	Brakes	2
ASV 256	Electrical and Electronic Systems	4
ASV 258	Engine Drivability	2
Writ. or Comm.	Writing/Composition or Communication	3
Arts/Hum	Elective	3
Semester Total		16
Semester 4		
Nat. Sci	Elective	3
Soc. Sci	Elective	3
ASV 251	Engine Diagnosis	2
ASV 257	Heating and Air Conditioning Systems	2
ASV 266	Advanced Transmissions	2
Semester Total		12
Program Totals		61

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 Administration   **Associate in Arts Degree**

Semester 1		
ENG 111	Composition I	4
Math	Select one of MTH 125, MTH 160 or MTH 176	4
BMG 140	Introduction to Business	3
Nat. Sci.	Elective(s)**	3
Semester Total		14
Semester 2		
CIS 110	Introduction to Computer Information Systems	3
Writ. or Comm.	Writing/Composition or Communication	3
Arts/Human.	Elective(s)***	3
BMG 207	Business Communication	3
ACC 111	Principles of Accounting I	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		
Arts/Human.	Elective(s)***	3
ECO 222	Principles of Economics II	3
Nat. Sci.	Elective(s) *****	3 - 4
Elective(s)	Elective(s) to reach a minimum of 60 credits. It is recommended students complete one or more of the following: BMG 181, BMG 230, BMG 250****	6 - 7
Semester Total		16
Program Totals		60

Additional Program Opportunity: *Accounting 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 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		
Writ. or Comm.	Writing/Composition or Communication	3
CMG 130	Construction Site Safety and OSHA Regulations	3
PLS 112	Introduction to American Government	3
CON 105	Construction Framing II	3
Nat. Sci.	Elective(s) (not PHY)	3
Semester Total		15
Semester 3		
Gen. Ed. Elective	Gen. ed. Elective to reach a min. 30 general ed. credits	1
Arts/Human.	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		
Elective(s)	Elective(s) to reach a minimum 60 credits	4
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		16
Program Totals		60

*This program is being discontinued at WCC, and the 2020-21 school year will be the last year credit can be applied toward this program. After the 2020-21 school year, credit can be applied towards another program, such as Occupational Studies.

Secondary / Post-Secondary Program Alignment

Computer Programming
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		
Natural Science	Elective(s)	3
Writ. or Comm.	Writing/Composition or Communication	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		18
Semester 3		
Nat. Sci. w/Lab	Elective(s)***	3
CPS 276	Web Programming Using Apache, MySQL and PHP	4
CPS 272	Data Structures with C++	4
Soc. Sci.	Elective(s)	3
Semester Total		14
Semester 4		
Arts/Human.	Elective(s)****	3
Res. Elective(s)	CIS/CPS electives	6
CPS 298	Professional Team Programming	4
General Ed.	Elective (0-1 credits) to reach a minimum of 30 Gen. Ed. credits	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

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
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	Interface Design I	4
Soc. Sci.	Elective(s)	3
Semester Total		18
Semester 2		
Math	Elective(s)	3
Restrict Elect	Elective(s); GDT 106 or GDT 108 may be applied	3
GDT 100	Typography I	4
GDT 112	Principles and Problem-Solving in Graphic Design	4
Semester Total		14
Semester 3		
GDT 220	Publication Design	4
GDT 215	Typography II	4
GDT 239	Imaging and Illustration	4
WEB 215	Interface Design II	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
Restrict Elect	Elective(s); GDT 106 or GDT 108 may be applied	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 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
Digital Video Production   **Associate in Arts**

Semester 1		
Nat. Sci.	Elective(s)	3
ENG 111	Composition I	4
Restrict. Elective	FLM 120 or FLM 150 or FLM 185	3
VID 105	Foundations in Digital Video I	4
Semester Total		14
Semester 2		
FLM 160	American Film	3
VID 125	Foundations in Digital Video II	4
VID 270	Documentary Video Production I	3
Arts/Humanities	Elective(s) (not FLM)	3
Math	Elective(s)	3
Semester Total		16
Semester 3		
Writing/Comm.	Writing/Composition or Communication	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	___Fall ___Winter ___Spring/Summer __x__Any	
VID 255 or 275	Green Screen I or Documentary Video Production II	3
Nat. Sci. w/Lab	Elective(s)	3
Soc. Sci.	Elective(s)	3
VID 203	Web Video	3
VID 295	Portfolio and Project Seminar	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 – Client-side Web Developer Cert.   **Associate in Applied Science**

Semester 1		
Writing/Comp.	Writing/Composition	3
WEB 110	Web Development I	4
Rest. Elective(s)	ANI, CIS, CPS, ENG 107, ENG 209, GDT, PHO, WEB	4
Elective(s)	Open elective(s) to reach a minimum of 60 credits	3-4
Arts/Human.	Elective(s)*	3
Semester Total		17-18
Semester 2		
WEB 210	Web Development II	4
Rest. Elective(s)	ANI, CIS, CPS, ENG 107, ENG 209, GDT, PHO, WEB	4
Math	Elective(s)*	3
Social Science	Elective(s)*	3
Semester Total		14
Semester 3		
Nat. Sci.	Elective(s)*	3
Rest. Elective(s)	ANI, CIS, CPS, ENG 107, ENG 209, GDT, PHO, WEB	4
WEB Elective(s)	Complete a course not in your chosen certificate	4
Rest. Electives	Any WEB, CIS or CPS course	3-4
Semester Total		14-15
Semester 4		
COM 101	Fundamentals of Speaking	3
Rest. Elective(s)	ANI, CIS, CPS, ENG 107, ENG 209, GDT, PHO, WEB	4
WEB Elective(s)	Complete a course not in your chosen certificate	4
Elective(s)	Open elective(s) to reach a minimum of 60 credits	4
Semester Total		15
Program Totals		60-62

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 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	4
HCFELEC2	Required Elective 2: COM 101, COM 102 or COM 200	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
Semester Total		13
Semester 2		
Course #	Course Title:	Credit Hours
HCFELEC3	Required Elective 3: MTH 125, MTH 160, MTH 169 or any Math Level 4 or higher course	4
HCFELEC4	Required Elective 4: HSC 100 or HSC 103 or RAD 100	1
PHL 244	Ethical and Legal Issues in Health Care	3
HCFELEC5	PSY 100, PSY 206 or SOC 100	3
Semester Total		11
Program Totals		24

* 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,* **Medical Billing and Coding** *Certificate,* **Nursing** *Associate in Applied Science Degree,* **Physical Therapist Assistant** *Associate in Applied Science Degree.* **Radiography** *Associate in Applied Science Degree,* **Sterile Processing** *Certificate,* **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 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
Mechatronics - Numerical Control Specialty 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
Elective(s)	Math Academic Math Level 4 or higher	3
Semester Total		15
Semester 2		
ELE 111	Electrical Fundamentals	4
NCT 120	Introduction to 2D CAD CAM Programming & Applications	2
ROB 212	Robotics II	4
MEC 100	Materials and Processes	3
MTT 102	Machining for the Technologies	2
Semester Total		15
Semester 3		
MEC 101	3D Modeling and Blueprint Reading	2
NCT 123	2D CAD CAM CNC Programming for Mills and Lathes	2
Arts/Human.	Elective(s)	3
Writing/Comp.	Writing/Composition	3
Soc. Sci.	Elective(s)	3
Semester Total		13
Semester 4		
NCT 121	Manual Programming and NC Tool Operation	4
MEC 201	Mechanisms	2
ELE 224	Programmable Controllers (PLCs) I	4
ROB 222	Robotics Simulation	2
ROB 223	Robotics III	2
Semester Total		14
Semester 5		

Writing/Comm.	Writing/Composition or Communication	3
Nat. Sci.	Elective(s)	3
MEC 224	Robotics IV	4
NCT 221	Advanced Manual Programming and NC Tool Operation	4
Semester Total		14
Program Totals	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 Technology   **Associate in Applied Science**

Semester 1		
Math	Elective(s)*	3
WAF 106	Blueprint Reading for Welders	3
NCT 120	Introduction to 2D CAD CAM Programming & Applications	2
WAF 109	Welding Safety and OSHA Regulations	2
WAF 125	Introduction to Welding Processes I	2
WAF 126	Introduction to Welding Processes II	2
Semester Total		14
Semester 2		
WAF 130	Shielded Metal Arc Welding (SMAW)	4
WAF 131	Thermal Cutting, Gouging and Weld Repair	3
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/Comp.	Writing/Composition	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
Writ. or Comm.	Writing/Composition or Communication	3
Semester Total		12
Semester 5		
Nat. Sci.	Elective(s)	3
Arts/Human.	Elective(s)	3
Soc. Sci.	Elective(s)	3
WAF 239	Advanced Metal Fabrication	3
Semester Total		12

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 2020 and earn credit at Washtenaw Community College by the end of Fall semester 2022. 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, 2020

H.S. Graduation during: 2021

Last date to post credit: December 31, 2023

Year 2:

Agreement start date: September 1, 2021

H.S. Graduation during: 2022

Last date to post credit: December 31, 2024

Year 3:

Agreement start date: September 1, 2022

H.S. Graduation during: 2023

Last date to post credit: December 31, 2025

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

2020-2021 Addendum
Revised CIP code for Graphic and Printing Technology and edited to 10.0301 (previously mistyped 11.0301) – KGH 12/15/2020

Added in 4th paragraph on page 1 regarding HS articulated credit intended to be used toward completion of WCC certificate or associate degree, and not guaranteed to transfer. – KGH 3/12/2021