

Washtenaw Community College
&
Washtenaw Intermediate School District
Ann Arbor Public Schools
2014 - 2015 School Year
2015 - 2016 School Year
2016 - 2017 School Year

Secondary/Post Secondary Articulation Agreement Annual Reauthorization

The instructors convened and agree that the current articulation agreements for the courses and programs contained in this document meet agreed upon conditions and the outcomes have been updated. The articulation agreements for all programs contained in this document will be reauthorized for students for the 2014-15 academic year. The articulation agreements will be continued for the 2015-2016 and 2017-2017 school years following a review of course and/or program changes. An addendum will be attached to note any changes for subsequent academic years.

Participating teachers at the secondary level will provide the appropriate student performance record for each student that certifies areas and levels of task achievement. This record will serve as proof of competency for the recommended credit.

Eligible students will be informed of the opportunity to earn college credit.

Contained in this document are:

- List of specific parties in the 2+2 program alignment and articulation
- The secondary and post-secondary state approved CIP code
- The agreement start date for years one, two and three
- The H.S. graduation date for years one, two and three
- Last date to post credit for graduates during years one, two and three
- The secondary program fulfills the corresponding course at the post-secondary program
- Specific courses that are the foundation of the aligned Tech Prep program articulation agreement. Include academic as well as technical course requirements
- Specific timeline to apply for the credit, or to take a competency test to qualify for the credit
- Specific requirements from the post-secondary institution that a student must meet before articulated credits are granted

This agreement remains effective for two additional years after the expiration date to permit student access to the agreed upon credits. Please see effective dates.

Curriculum information contained in this document is subject to change at any time. Please consult with a college advisor or college website for more current and up-to-date information.

Secondary – Post-secondary

Curriculum Aligned Course List

Ann Arbor Public Schools			Washtenaw Community College		
Course #	Title	CIP Code	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)	
Auto Services Technology		47.0604	Auto Services		47.0604
	Statewide Agreement		ASV 130	Automotive Maintenance (4cr)	
			ASV 131 ¹	Automotive Electrical (4cr)	
¹ Students will be required to pass a written test prior to the award of credit. Please contact the Automotive Services Department.					
Business Admin., Mgmt. & Operations		52.0299	Business		52.0000
	Statewide Agreement		BMG 140	Introduction to Business (3cr)	
Business Office Systems		52.0299	Business Office Systems		52.0402
614021	Computer Applications I		BOS 101A	Introduction to Keyboarding (1cr)	
614022	Computer Applications II		BOS 101B	Intermediate Keyboarding (1cr)	
614022	Computer Applications II		BOS 101C	Advanced Keyboarding (1cr)	
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 (4cr)	
* Students will be awarded credit for CPS 171. They may request credit for CPS 161 instead.					
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)	
Construction Technology		46.000	Construction		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 Media		11.0801	Web Design and Development		11.0801
	Statewide Agreement		WEB 110	Web Development I (4cr)	

		WEB 157	Dreamweaver (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.			
Marketing 52.1999		Business 52.000	
613031	Marketing Education	BMG 140	Introduction to Business (3cr)
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 (4cr)
Welding 48.0508		Welding 48.0508	
	Statewide Agreement	WAF 103	Introduction to Gas Tungsten Arc Welding (2cr)
		WAF 288	Gas Metal Arc Welding (4cr)

Secondary / Post-Secondary Program Alignment

Accounting HIGH SCHOOL COURSE SEQUENCE

9 th Grade	10 th Grade	11 th Grade	12 th Grade
English 9 Speech Art or Music or Graphics Biology Algebra Non Western Civilization Law P.E. / Fitness	English 10 Physical or Earth Science Geometry Western Civilization P.E. Elective	Literature Chemistry Algebra 3, 4 U.S. History Computer Accounting I	English Elective Physics Math Analysis U.S. Government Computer Accounting II

WASHTENAW COMMUNITY COLLEGE

Accounting

Associate in Applied Science Degree

Semester 1		
ENG 111	Composition I	4
ACC 111	Principles of Accounting I	3
BOS 184	Spreadsheet Software Applications I	3
Math	Select from MTH 125, 160, 176 or 181	4
Semester Total		14
Semester 2		
TAX 101	Income Taxes for Individuals	3
ACC 122	Principles of Accounting II	3
ACC 131	Accounting Information Systems	3
CIS 110	Introduction to Computer Information Systems	3
Semester Total		12
Semester 3		
BMG 111	Business Law I	3
BMG 220	Principles of Finance	3
ACC 213	Intermediate Accounting	3
BMG 140	Introduction to Business	3
ECO 211	Principles of Economics I	3
Semester Total		15
Semester 4		
Nat. Sci.	Elective(s)	4
Arts/Human.	Elective(s)	3
ACC 225	Managerial Cost Accounting	3
BMG 265	Business Statistics	3
Semester Total		13
Semester 5		
COM 101	Fundamentals of Speaking	3
Soc. Sci.	Elective(s)	3
BMG 207	Business Communication	3
ECO 222	Principles of Economics II	3
Semester Total		12
Program Totals		66

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

Secondary / Post-Secondary Program Alignment

Business

HIGH SCHOOL COURSE SEQUENCE

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

WASHTENAW COMMUNITY COLLEGE

Business

Associate in Arts Degree

Semester 1	Fall ___ Winter ___ Spring/Summer ___ x ___ Any	
ENG 111	Composition I	4
Math	Select one of MTH 125, MTH 160, MTH 176 or MTH 181	4
ACC 111	Principles of Accounting I	3
BMG 140	Introduction to Business	3
CIS 110	Introduction to Computer Information Systems	3
Semester Total		17
Semester 2	Fall ___ Winter ___ Spring/Summer ___ x ___ Any	
ENG 226	Composition II	3
ACC 122	Principles of Accounting II	3
BMG 207	Business Communication	3
Nat. Sci.	Elective(s)**	4
Semester Total		13
Semester 3	Fall ___ Winter ___ Spring/Summer ___ x ___ Any	
COM 101	Fundamentals of Speaking	3
Soc. Sci.	Elective(s)**	3
BMG 265	Business Statistics	3
ECO 211	Principles of Economics I	3
BMG 111	Business Law I	3
Semester Total		15
Semester 4	Fall ___ Winter ___ Spring/Summer ___ x ___ Any	
Arts/Human.	Elective(s)***	3
Arts/Human.	Elective(s)***	3
ECO 222	Principles of Economics II	3
Nat. Sci.	Elective(s)****	3 - 4
Elective	Complete one course as a free elective to bring the program total to a minimum of 60 credits.****	3
Semester Total		15 - 16
Program Totals		60 - 61

Additional Program Opportunities:

Accounting Associate Degree

Culinary and Hospitality Management Associate Degree

Information Systems Transfer Associate Degree

Secondary / Post-Secondary Program Alignment

Business Office Systems

HIGH SCHOOL COURSE SEQUENCE

9 th Grade	10 th Grade	11 th Grade	12 th Grade
English 9 Speech Art or Music or Graphics Algebra Biology Non Western Civilization Law P.E. Fitness	English 10 Physical or Earth Science Geometry Western Civilization P.E. Elective Computer Applications 1	Literature Chemistry <i>or Elective</i> Algebra 3/4 <i>or Elective</i> U.S. History Business Technology	English Elective Physics <i>or Elective</i> Math Analysis <i>or Elective</i> U.S. Government Business Applications

WASHTENAW COMMUNITY COLLEGE

Business Office Administration – Office Management Concentration

Associate in Applied Science Degree

APBOAD - ofmg

Business Office Administration - Office Management Concentration

Semester 1		
Course #	Course Title:	Credit Hours
___ Fall ___ Winter ___ Spring/Summer <u>X</u> ___ Any		
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
___ Fall ___ Winter ___ Spring/Summer <u>X</u> ___ Any		
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
___ Fall ___ Winter ___ Spring/Summer <u>X</u> ___ Any		
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
___ Fall ___ Winter ___ Spring/Summer <u>X</u> ___ Any		
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						
	<input type="checkbox"/> Fall	<input type="checkbox"/> Winter	<input type="checkbox"/> Spring/S	<input type="checkbox"/> Summer	<input type="checkbox"/> X	<input type="checkbox"/> Any
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.

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

Secondary / Post-Secondary Program Alignment

Automotive Services

HIGH SCHOOL COURSE SEQUENCE

9 th Grade	10 th Grade	11 th Grade	12 th 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	<input type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input checked="" type="checkbox"/> Any	
ABR 111	Introduction to Auto Body Repair	4
ABR 112	Introduction to Automotive Refinishing	4
Rest. Elect	Restricted Electives	4
Semester Total		12
Semester 2	<input type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input checked="" type="checkbox"/> Any	
ABR 113 or 135	Estimating and Shop Operations or Collision-Related Mechanical & Electrical Repairs	4
ABR 123	Technical Auto Body Repair	4
Rest. Elect	Restricted Electives	4
Semester Total		12
Semester 3	<input type="checkbox"/> Fall <input type="checkbox"/> Winter <input type="checkbox"/> Spring/Summer <input checked="" type="checkbox"/> Any	
ABR 124	Technical Automotive Refinishing	4
Rest. Elect	Restricted Electives	2
Semester Total		6
Program Totals		30

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

Secondary / Post-Secondary Program Alignment

HIGH SCHOOL COURSE SEQUENCE

9 th Grade	10 th Grade	11 th Grade	12 th 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	Fall	Winter	Spring/Summer	x	Any	
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	Fall	Winter	Spring/Summer	x	Any	
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	Fall	Winter	Spring/Summer	x	Any	
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	Fall	Winter	Spring/Summer	x	Any	
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

Construction Technology

HIGH SCHOOL COURSE SEQUENCE

9 th Grade	10 th Grade	11 th Grade	12 th Grade
English 9 Speech Art or Music or Graphics Algebra Biology Non Western Civilization Law P.E. Fitness	English 10 Physical or Earth Science Geometry Western Civilization P.E. Elective Computer Applications 1	Literature Chemistry <i>or Elective</i> Algebra 3/4 <i>or Elective</i> U.S. History Homebuilding I	English Elective Physics <i>or Elective</i> Math Analysis <i>or Elective</i> U.S. Government Homebuilding II

WASHTENAW COMMUNITY COLLEGE Construction Technology

Associate in Science Degree

<i>Semester 1</i>	___ Fall ___ Winter ___ Spring/Summer ___ x ___ Any	
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
<i>Semester 2</i>	___ Fall ___ Winter ___ Spring/Summer ___ x ___ Any	
ENG 226	Composition II	3
CMG 130	Construction Site Safety and MIOSHA Regulations	3
PLS 112	Introduction to American Government	3
CON 105	Construction Framing II	3
Computer Lit.	Elective(s)*	3
Semester Total		15
<i>Semester 3</i>	___ Fall ___ Winter ___ Spring/Summer ___ x ___ Any	
Speech	Elective(s)	3
Arts/Human.	Elective(s)*	3
PHY 105	Conceptual Physics	4
CON 204	Construction Finishes Interior	3
CON 205	Construction Finishes Exterior	3
Semester Total		16
<i>Semester 4</i>	___ Fall ___ Winter ___ Spring/Summer ___ x ___ Any	
Arts/Human.	Elective(s)*	3
Soc. Sci.	Elective(s)	3
CON 220	Construction Licensing, Contracts, and Start Up	3
CON 230	Construction Production	3
CON 255	Construction Concrete and Masonry	3
Semester Total		15
Program Totals		61

Secondary / Post-Secondary Program Alignment

Cooking and Related Culinary Arts

HIGH SCHOOL COURSE SEQUENCE

9 th Grade	10 th Grade	11 th Grade	12 th 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

Program Code: Program Title: **Culinary and Hospitality Management**

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

9 th Grade	10 th Grade	11 th Grade	12 th 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	Fall	Winter	Spring/Summer	x	Any	
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	Fall	Winter	Spring/Summer	x	Any	
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	Fall	Winter	Spring/Summer	x	Any	
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	Fall	Winter	Spring/Summer		Any	
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

9 th Grade	10 th Grade	11 th Grade	12 th 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	<u> </u> Fall <u> </u> Winter <u> </u> Spring/Summer <u> </u> Any	
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	<u> </u> Fall <u> </u> Winter <u> </u> Spring/Summer <u> </u> Any	
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	<u> </u> Fall <u> </u> Winter <u> </u> Spring/Summer <u> </u> Any	
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	<u> </u> Fall <u> </u> Winter <u> </u> Spring/Summer <u> x </u> Any	
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

9 th Grade	10 th Grade	11 th Grade	12 th 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 of Applied Science

Semester 1		
Course #	Course Title:	Credit Hours
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		
Course #	Course Title:	Credit Hours
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		
Course #	Course Title:	Credit Hours
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		
Course #	Course Title:	Credit Hours
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.

Secondary / Post-Secondary Program Alignment

Health Science Technology

HIGH SCHOOL COURSE SEQUENCE

9 th Grade	10 th Grade	11 th Grade	12 th 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		
Course #	Course Title:	Credit Hours
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		
Course #	Course Title:	Credit Hours
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

9 th Grade	10 th Grade	11 th Grade	12 th 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	<i>Fall</i>	<i>Winter</i>	<i>Spring/Summer</i>	<i>Any</i>
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	<i>Fall</i>	<i>Winter</i>	<i>Spring/Summer</i>	<i>Any</i>
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	<i>Fall</i>	<i>Winter</i>	<i>Spring/Summer</i>	<i>Any</i>
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	<i>Fall</i>	<i>Winter</i>	<i>Spring/Summer</i>	<i>Any</i>
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	<i>Fall</i>	<i>Winter</i>	<i>Spring/Summer</i>	<i>Any</i>
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

9 th Grade	10 th Grade	11 th Grade	12 th 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	Fall	Winter	Spring/Summer	Any	
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	Fall	Winter	Spring/Summer	Any	
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	Fall	Winter	Spring/Summer	Any	
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	Fall	Winter	Spring/Summer	Any	
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	Fall	Winter	Spring/Summer	Any	
Nat. Sci.	Elective(s)				4
WAF 227	Basic Fabrication				3
WAF 229	Shape Cutting Operations				3
Writing	Elective(s)				3
Semester Total					13
Program Totals					67

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

Conditions & Requirements

1. Students must meet admissions requirements of the college.
2. Students should successfully complete a preponderance of tasks at the employable level.
3. Students must receive recommendation from the high school instructor.
4. Students must apply for articulated credit within 24 months following high school graduation.
5. Students must successfully complete 1 credit hour at WCC. Students should also check the requirements of their programs to determine if specific courses are required or recommended.
6. Students shall meet requirements of the intended curriculum and program of study.

Special Conditions

1. This agreement is in effect for students who enter into their career and technical program beginning Fall of 2014 and earn credit at Washtenaw Community College by the end of Fall semester 2016.
Exception: Students entering the Nursing Program must meet program requirements at the time of entry into the program. Please see website for information: www.wccnet.edu/health
2. All federal, state, and accreditation mandates supersedes this articulation agreement.

Effective Dates

Year 1:

Agreement start date: September 1, 2014
H.S. Graduation during: 2015
Last date to post credit: December 31, 2017

Year 2:

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

Year 3:

Agreement start date: September 1, 2016
H.S. Graduation during: 2017
Last date to post credit: December 31, 2019

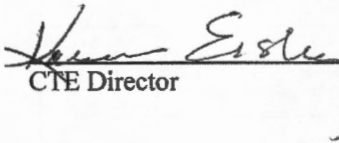
- Documentation of secondary instruction delivery/segments is available for review at secondary institution.

Participating Instructors

Program	Instructors
Accounting/ Finance	Statewide Agreement
Automotive Services	Statewide Agreement
Collision Repair	Statewide Agreement
Business	Statewide Agreement
Business Office Systems	Marcie Allgeyer, Pioneer High School Christine Garrett, Huron High School Diane Stocker-Bendersky, Huron High School Deborah Kimball, Pioneer High School Amy Loskowski, Washtenaw Community College
Computer Sys. Networking and Technology	Statewide Agreement
Computer Programming	Statewide Agreement
Construction	Statewide Agreement
Cosmetology	Statewide Agreement
Culinary Arts/Cooking	Statewide Agreement
Digital Media	Statewide Agreement
Graphic and Printing Technology	Statewide Agreement
Health Science	Statewide Agreement
Mechatronics	Statewide Agreement
Radio & Broadcasting Technology	Statewide Agreement
Welding	Statewide Agreement

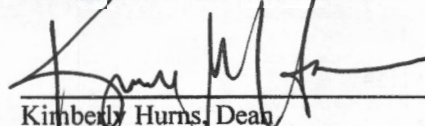
Signatures

Ann Arbor Public Schools

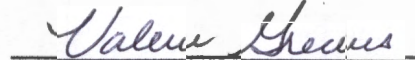


CTE Director 7/31/15
Date


Washtenaw Community College



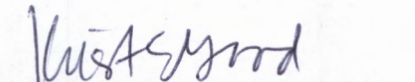
Kimberly Hums, Dean
Business & Computer Technologies 8/20/15
Date



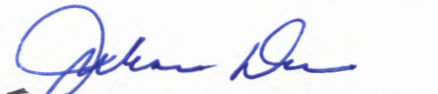
Valerie Greaves, Dean
Health Science 8/28/15
Date



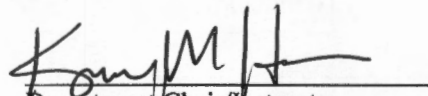
Brandon Tucker, Dean
Advanced Technologies and Public Service Careers 8/17/15
Date



Kristin Good, Dean
Math, Science and Engineering Technology 8/10/15
Date



Department Chair/Instructor
Business 7/20/15
Date



Department Chair/Instructor
Business Office Systems 8/20/15
Date