Washtenaw Community College
&
Bedford Senior High School
Temperance, Michigan
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 academic year. 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 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

Statewide Agreement		Washtenaw Community College		
Course #	Title *CIP Code*	Course #	Title	*CIP Code*
Accounting *52.0800*		**Accounting**		*52.0302*
	Statewide Agreement	ACC 100	Accounting Practices for Business *(3cr)*	
		ACC 131	Accounting Information Systems *(3cr)*	
Automobile Technician *47.0604*		**Auto Services**		*47.0604*
	Statewide Agreement	ASV 130	Automotive Maintenance *(4cr)*	
		ASV 132	Automotive Engine *(4cr)*	
Business Admin., Mgmt. & Operations *52.0299*		**Business**		*52.0000*
	Statewide Agreement	BMG 140	Introduction to Business *(3cr)*	
Business Office Systems – Bedford H.S.		**Business Office Systems**		*52.0402*
4613/4623	Business Management Technology or 21st Century Business	BOS 101A	Introduction to Keyboarding *(1cr)*	
4613/4623	Business Management Technology or 21st Century Business	BOS 101B	Intermediate Keyboarding *(1cr)*	
4613/4623	Business Management Technology or 21st Century Business	BOS 101C	Advanced Keyboarding *(1cr)*	
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 *(4cr)*	
* Students will be awarded credit for CPS 171. They may request credit for CPS 161 instead.				
Computer Systems Technology – Bedford High School				*11.0000*
4914/4924 4903	Computer Science or Computer and Game Design	CST 118	MS Command Line Fundamentals *(2cr)*	
4914/4924 4903	Computer Science or Computer and Game Design	CST 160	Computer Technology I *(4cr)*	
Construction Technology *46.000*		**Construction Technology**		*46.0000*
	Statewide Agreement	CON 108	Introduction to Construction Technology *(2cr)*	
		CON 104	Construction Framing I *(3cr)*	

Cosmetology 12.0400			Elective Credit
	Statewide Agreement	TRI 300[2]	Elective Credit *(20cr)*

[2] Students must present their Michigan State Board of Cosmetology License to be awarded credit.

Cooking & 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 11.0301			Graphic Design 54.0409
	Statewide Agreement	GDT 106	*Illustrator Graphics (3cr)*
		GDT 107	InDesign *(3cr)*
		GDT 108	Photoshop Graphics *(3cr)*

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

[4] Students must bring in their C.N.A. Certificate in order to receive credit for HSC 100. Students must meet additional criteria to apply for admission to the Registered Nursing Program. Additional information is available on the WCC website at http://www4.wccnet.edu/departments/health/

[5] Students must present their card(s) for CPR/AED, Child and Infant CPR and First Aid from the American Red Cross to receive credit for HSC 131. Credit will only be granted if all three (3) sections have been passed and are documented.

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

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

Welding 48.0508			Welding 48.0508
	Statewide Agreement	WAF 103	Introduction to Gas Tungsten Arc Welding *(2cr)*
		WAF 105	Introduction to Welding Processes *(2cr)*

Secondary / Post-Secondary Program Alignment

Accounting/Finance

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Science elective Algebra 1 P.E. / Health VPAA elective Online Experience World Language	English 10 Biology Geometry U.S. History/Geography World Language **Accounting 1**	English 11 Chemistry or Physics Algebra 2 World History/ Geography **Accounting 2**	English 12 4th year Math or related credit Civics / Economics **Accounting 3**

WASHTENAW COMMUNITY COLLEGE

Accounting   **Associate in Applied Science Degree**

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

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

Secondary / Post-Secondary Program Alignment

Automotive Services

HIGH SCHOOL COURSE SEQUENCE

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

WASHTENAW COMMUNITY COLLEGE

Auto Body Repair   **Certificate**

Semester 1	___Fall ___Winter ___Spring/Summer _X__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	___Fall ___Winter ___Spring/Summer _X__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	___Fall ___Winter ___Spring/Summer _X__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

Automotive Technologies

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Science elective Algebra 1 P.E. / Health VPAA elective Online Experience World Language	English 10 Biology Geometry U.S. History/ Geography World Language **Automotive Technology 1**	English 11 Chemistry or Physics Algebra 2 World History/Geography **Automotive Technology 2**	English 12 4th year Math or related credit Civics / Economics **Automotive Technology 3**

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	___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*

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

Secondary / Post-Secondary Program Alignment

Business Office Systems

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Science elective Algebra 1 P.E. / Health VPAA elective Online Experience World Language	English 10 Biology Geometry U.S. History/Geography World Language Computers	English 11 Chemistry or Physics Algebra 2 World History/Geography **Business Management Technology or 21st Century Business**	English 12 4th year Math or related credit Civics / Economics **Advanced Business Management Technology or Advanced 21st Century Business**

Washtenaw Community College

Business Office Administration
Administrative Assistant Concentration   **Associate of Applied Science**

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 or ACC 111	Accounting Practices for Business or Principles of Accounting I	3
BOS 157	Word Processing and Document Formatting I	3
BOS 184	Spreadsheet Software Applications I	3
Semester Total		12

Semester 3		
Course #	Course Title:	Credit Hours
BMG 155	Business on the Internet	3
BOS 207	Presentation Software Applications	2
Speech	Elective	3
BOS 257	Word Processing and Document Formatting II	3
BOS 284	Spreadsheet Software Applications II	3
Semester Total		14

Semester 4		
Course #	Course Title:	Credit Hours
BOS 182	Database Software Applications	3
BMG 207	Business Communication	3
BOS 208	Desktop Publishing for the Office	3
Nat. Sci.	Elective(s)	3
Semester Total		12

Semester 5		
Course #	Course Title:	Credit Hours
ACC 131	Accounting Information Systems	3
BOS 230	Electronic Forms Design	3
BOS 250	Office Administration II	4
Soc. Sci.	Elective(s)	3
Semester Total		13
Program Totals		65

Additional Concentrations Include:

Law Office Concentration
Medical Administrative Assistant Concentration
Office Management Concentration

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 Science elective Algebra 1 P.E. / Health VPAA elective Online Experience World Language	English 10 Biology Geometry U.S. History/Geography World Language **Construction Fundamentals**	English 11 Chemistry or Physics Algebra 2 World History/ Geography **Construction 1**	English 12 4th year Math or related credit Civics / Economics **Construction 2**

WASHTENAW COMMUNITY COLLEGE

Construction Technology   **Associate in Science Degree**

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

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

Secondary / Post-Secondary Program Alignment

Computer Sys. Networking & Technology

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Math 9 History 9 Science 9 Health PE	English 10 Math 10 History Science 10 Computers	English 11 Math Elective Government Science Elective Electronics	English Elective Math Elective History Elective Electronics

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

Semester 1	___Fall ___Winter ___Spring/Summer __X__Any	
CST 118	MS Command Line Fundamentals	2
CST 160	Computer Technology I	4
CST 165	Computer Technology II	4
CST 225	PC Networking	3
Speech	Elective(s)	3
Semester Total		16
Semester 2	___Fall ___Winter ___Spring/Summer __X__Any	
Writing	Elective(s)	3
Math	Elective(s)	3
CIS 121	Linus/UNIX I: Fundamentals	4
CNT 201	Administering Microsoft Windows Client Operating System	3
CNT 211	Installing and Configuring Windows Server 2012	4
Semester Total		17
Semester 3	___Fall ___Winter ___Spring/Summer __X__Any	
Natural Science	Elective(s)	3
Soc. Sci.	Elective(s)	3
CNT 206	Internetworking I - Fundamentals	4
CNT 216	Internetworking II - Routers	4
CSS 200	Introduction to Network Security	4
Semester Total		18
Semester 4	___Fall ___Winter ___Spring/Summer __X__Any	
Arts/Human.	Elective(s)	3
CIS 161	Introduction to PowerShell	4
CSS 205	Essentials of Network Penetration Testing	4
CSS 210	Basic Network Perimeter Protection	4
Semester Total		15
Program Totals		66

Additional Program Concentrations Include: Computer Forensics (CSFC), Linux Network Operating System (LNOS). Local and Wide Area Networking (NETW), Microsoft Network Operating System (MNOS)

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

Secondary / Post-Secondary Program Alignment

Computer Programming

HIGH SCHOOL COURSE SEQUENCE

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

English 9
Science elective
Algebra 1
P.E. / Health
VPAA elective
Online Experience
World Language
	English 10
	Biology
	Geometry
	U.S. History/Geography
	World Language
	Digital and Multimedia
	    Design
		English 11
		Chemistry or Physics
		Algebra 2
		World History/Geography
		**Computer Science or
		    Computer and Game
		    Design Programming**
			English 12
			4th year Math or related credit
			Civics / Economics
			**Computer Science or
			    Computer and Game
			    Design 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

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

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

Semester 1	___Fall ___Winter ___Spring/Summer _x__ Any	
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	___Fall ___Winter ___Spring/Summer _x__ Any	
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	___Fall ___Winter ___Spring/Summer _x__ Any	
Social Science	Elective(s)	3
Nat. Sci.	Elective(s)	3
Semester Total		6
Semester 4	___Fall ___Winter ___Spring/Summer _x__ Any	
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	___Fall ___Winter ___Spring/Summer _x__ Any	
CUL 210	Advanced Kitchen Operations: Garde Manger	3
CUL 224	Principles of Cost Control	3
CUL 226	Advanced Dining Room and Beverage Management	3
CUL 230	Advanced Kitchen Operations: American Regional	3
CUL 231	Advanced Kitchen Operations: Global Cuisines	3
Semester Total		15

Program Totals		67

** Students must submit their ServeSafe Certification to receive credit for CUL 110. ACF requires a minimum of 30 contact hours in order to award credit.

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

Secondary / Post-Secondary Program Alignment

Graphic & Printing Technology

HIGH SCHOOL COURSE SEQUENCE

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

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Science elective Algebra 1 P.E. / Health VPAA elective Online Experience World Language **Radio and Television Broadcasting Fundamentals**	English 10 Biology Geometry U.S. History/Geography World Language **Radio and Television Production Skills 1**	English 11 Chemistry or Physics Algebra 2 World History/Geography **Radio and Television Production Skills 2**	English 12 4th year Math or related credit Civics / Economics **Advanced Radio and Television**

WASHTENAW COMMUNITY COLLEGE Program Layout by Semester

Digital Video Production   **Associate in Arts**

Semester 1	___Fall ___Winter ___Spring/Summer ___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	___Fall ___Winter ___Spring/Summer ___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	___Fall ___Winter ___Spring/Summer ___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	___Fall ___Winter ___Spring/Summer _x_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

Digital Media Arts

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade
English 9 Science elective Algebra 1 P.E. / Health VPAA elective Online Experience World Language	English 10 Biology Geometry U.S. History/Geography World Language	English 11 Chemistry or Physics Algebra 2 World History/Geography **Web Page Design 1 and 2 or Digital and Multimedia Design**	English 12 4th year Math or related credit Civics / Economics **Web Page Design 1 and 2 or Digital and Multimedia Design**

WASHTENAW COMMUNITY COLLEGE

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

Semester 1	___Fall ___Winter ___Spring/Summer ___Any	
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	___Fall ___Winter ___Spring/Summer ___Any	
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	___Fall ___Winter ___Spring/Summer ___Any	
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	___Fall ___Winter ___Spring/Summer ___Any	
Nat. Sci.	Elective(s)*	4
Math	Elective(s)*	4
Elective	Any 100 level ANI, GDT, PHO, VID or WEB for of 60 cr. hours	3
WEB 255	Interaction Design	4
Semester Total		15
Program Totals		63

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

Secondary / Post-Secondary Program Alignment

Health Science Technology

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade
English 9 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	___Fall ___Winter ___Spring/Summer ___Any	
Course #	Course Title:	Credit Hours
HCFELEC1	Required Elective 1: BIO 101, BIO 102, 109, 111	5
HCFELEC2	Required Elective 2: COM 101 or COM 102	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
Semester Total		14
Semester 2	___Fall ___Winter ___Spring/Summer ___Any	
Course #	Course Title:	Credit Hours
HCFELEC3	Required Elective 3: MTH 160 or MTH 167 or MTH 169	4
HCFELEC4	Required Elective 4: HSC 100 or PTA 102 or PHT 106 or RAD 100 for 1-4 credits	1-4
PHL 244	Ethical and Legal Issues in Health Care	3
Computer Literacy	Elective	3
HCFELEC5	PSY 100 or SOC 100	3
Semester Total		14 -17
Program Totals		28 - 31

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

Additional Program Opportunities**: Dental Assisting** *Certificate,* **Health Program Preparations** *Associate in Science Degree,* **Medical Assisting** *Certificate,* **Nursing** *Associate in Applied Science Degree,* **Pharmacy Technology** *Certificate,* **Physical Therapist Assistant** *Associate in Applied Science Degree.* **Radiography** *Associate in Applied Science Degree,* **Surgical Technology** *Associate in Applied Science Degree*

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

Secondary / Post-Secondary Program Alignment

Mechatronics

HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade
English 9 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	___Fall ___Winter ___Spring/Summer ___Any	
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	___Fall ___Winter ___Spring/Summer ___Any	
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	___Fall ___Winter ___Spring/Summer ___Any	
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	___Fall ___Winter ___Spring/Summer ___Any	
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	___Fall ___Winter ___Spring/Summer ___Any	
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 Science elective Algebra 1 P.E. / Health VPAA elective Online Experience World Language Machine Trades 1	English 10 Biology Geometry U.S. History/Geography World Language Machine Trades 2	English 11 Chemistry or Physics Algebra 2 World History/Geography Machine Trades 3	English 12 4th year Math or related credit Civics / Economics **Welding Fabrication**

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 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 supersede 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	Marcie Allgeyer, Pioneer High School Esther Martin, Pioneer High School Christine Garrett, Huron High School Diane Stocker-Bendersky, Huron High School Deborah Kimball, Pioneer High School Joyce Jenkins, Washtenaw Community College
Computer Sys. Networking and Technology	Statewide Agreement
Computer Systems Technology	Stephen Ball, Bedford High School Gina Lundquist, Bedford High School Phil Geyer, 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

Signatures

Bedford Public Schools   **Washtenaw Community College**

Alice W. Murphy   7-31-15

Alice W. Murphy, CTE Director   Date

_____   _____

Kimberly Hurns, Dean   Date
Business & Computer Technologies

_____   _____

Valerie Greaves, Dean   Date
Health Science

_____   _____

Brandon Tucker, Dean   Date
Advanced Technologies and Public Service Careers

_____   _____

Kristin Good, Dean   Date
Math, Science and Engineering Technology

_____   _____

Department Chair/Instructor   Date
Business Office Systems

_____   _____

Department Chair/Instructor   Date
Computer Instruction