

Washtenaw Community College
&
Flat Rock Community High School
2017 - 2018 School Year
2018 - 2019 School Year
2019 - 2020 School Year

Secondary/Post Secondary Articulation Agreement Annual Reauthorization

The instructors convened and agree that the current articulation agreements for the courses and programs contained in this document meet agreed upon conditions and the outcomes have been updated. The articulation agreements for all programs contained in this document will be reauthorized for students for the 2017-18. The articulation agreements will be continued for the 2018-2019 and 2019-2020 school years following a review of course and/or program changes. An addendum will be attached to note any changes for subsequent academic years.

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

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

Contained in this document are:

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

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

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

Secondary – Post-secondary

Curriculum Aligned Course List

| Statewide Agreement | | Washtenaw Community College | |
|--|--------------------------|---|--|
| Course # | Title <i>CIP Code</i> | Course # | Title <i>CIP Code</i> |
| 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) |
| 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. | | | |
| Cooking & Related Culinary Arts 12.0500 | | Culinary & Hospitality Management 12.0504 | |
| | | CUL 110 ² | Sanitation and Hygiene (2cr) |
| | | CUL 145 | Introduction to Dining Room Protocol (3cr) |
| ² Students must submit their ServSafe 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) |
| Finance 52.0800 | | Accounting 52.0302 | |
| Statewide Agreement | | ACC 100 | Accounting Practices for Business (3cr) |
| | | ACC 131 | Accounting Information Systems (3cr) |

| | | | |
|---|---------------------------------------|--|---|
| Graphic and Printing Technology 11.0301 | | Graphic Design 54.0409 | |
| | Statewide Agreement | GDT 106 | <i>Illustrator Graphics (3cr)</i> |
| | | GDT 107 | <i>InDesign (3cr)</i> |
| | | GDT 108 | <i>Photoshop Graphics (3cr)</i> |
| Health/Therapeutic Services 51.0000 | | Health Science 51.1601 | |
| | Statewide Agreement | HSC 100 ³ | <i>Basic Nursing Assistant Skills (4cr)</i> |
| | | HSC 101 | <i>Healthcare Terminology (1cr)</i> |
| | | HSC 131 ⁴ | <i>CPR/AED for the Professional Rescuer and First Aid (1cr)</i> |
| 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 | <i>3D Modeling and Blueprint Reading (2cr)</i> |
| | | ROB 101 | <i>Robotics I-I (2cr)</i> |
| Radio & TV Broadcasting Technology 10.0202 | | Digital Video Production 59.0602 | |
| | Statewide Agreement | VID 105 | <i>Foundations in Digital Video I</i> |
| Welding 48.0508 | | Welding 48.0508 | |
| | Statewide Agreement | WAF 103 | <i>Introduction to Gas Tungsten Arc Welding (2cr)</i> |
| 936 | Metal Processing & Welding Technology | WAF 105 | <i>Introduction to Welding Processes (2cr)</i> |

Secondary / Post-Secondary Program Alignment

Accounting/Finance 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 | | |
|-----------------------|---|-----------|
| ACC 111 | Principles of Accounting I | 3 |
| BMG 140 | Introduction to Business | 3 |
| BOS 184 | Spreadsheet Software Applications I | 3 |
| CIS 110 | Introduction to Computer Information Systems | 3 |
| Math | Select from MTH 125, 160, 176 or 181 | 4 |
| Semester Total | | 16 |
| Semester 2 | | |
| ACC 110 | Payroll Accounting | 2 |
| TAX 101 | Income Taxes for Individuals | 3 |
| ACC 122 | Principles of Accounting II | 3 |
| ACC 131 | Accounting Information Systems | 3 |
| BMG 111 | Business Law I | 3 |
| COM 101 | Fundamentals of Speaking | 3 |
| Semester Total | | 17 |
| Semester 3 | | |
| Nat. Sci. | Elective(s) | 3 |
| Arts/Human. | Elective(s) | 3 |
| ACC 213 | Intermediate Accounting | 3 |
| BMG 265 | Business Statistics | 3 |
| ECO 211 | Principles of Economics I | 3 |
| Semester Total | | 15 |
| Semester 4 | | |
| ACC 214 | Intermediate Accounting I | 3 |
| ACC 225 | Managerial Cost Accounting | 3 |
| BMG 207 | Business Communication | 3 |
| ECO 222 | Principles of Economics II | 3 |
| ENG 111 | Composition I | 4 |
| Semester Total | | 16 |
| Program Totals | | 64 |

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

Secondary / Post-Secondary Program Alignment

Automotive Services

HIGH SCHOOL COURSE SEQUENCE

| 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 | | |
|-------------------|---|----|
| ABR 111 | Introduction to Auto Body Repair | 4 |
| ABR 112 | Introduction to Automotive Refinishing | 4 |
| Rest. Elect | Restricted Electives | 4 |
| Semester Total | | 12 |
| Semester 2 | | |
| ABR 113 or 135 | Estimating and Shop Operations or Collision-Related Mechanical & Electrical Repairs | 4 |
| ABR 123 | Technical Auto Body Repair | 4 |
| Rest. Elect | Restricted Electives | 4 |
| Semester Total | | 12 |
| Semester 3 | | |
| ABR 124 | Technical Automotive Refinishing | 4 |
| Rest. Elect | Restricted Electives | 2 |
| Semester Total | | 6 |
| Program Totals | | 30 |

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

Secondary / Post-Secondary Program Alignment

Automotive Technologies

HIGH SCHOOL COURSE SEQUENCE

| 9 th Grade | 10 th Grade | 11 th Grade | 12 th Grade |
|---|---|---|---|
| English 9 Algebra Science I (311) Career Prep & Expo (905) Basic Phys Ed (612) World History (410) | American Experience (056) Public Speaking Geometry Science II (313) U.S. History (422) Business Service Tech I | Literature & Society (060) Composition (023) U.S. Government (445) Integrated Trigonometry (221) Applied Physics (331) Auto Tech I (937) | English Elective Sociology (435) Auto Tech II (945) Accounting I (524) |

WASHTENAW COMMUNITY COLLEGE

Automotive Service Technology

Associate in Applied Science Program

| Semester 1 | | |
|-------------------|--------------------------------------|----|
| ASV 130 | Automotive Maintenance | 4 |
| ASV 131 | Automotive Electrical | 4 |
| Math | Elective | 3 |
| Writing | Elective | 3 |
| ASV Elect | ABR 116, ASV 135, MTT 102 or WAF 105 | 2 |
| Semester Total | | 16 |
| Semester 2 | | |
| ASV 132 | Automotive Engines | 4 |
| ASV 133 | Automotive Fuel | 4 |
| ASV 134 | Automotive Transmission | 4 |
| Elective | Elective | 3 |
| Semester Total | | 15 |
| Semester 3 | | |
| ASV 254 | Suspension and Steering | 2 |
| ASV 255 | Brakes | 2 |
| ASV 256 | Electrical and Electronic Systems | 4 |
| ASV 258 | Engine Drivability | 2 |
| Speech/Comp. | Elective | 3 |
| Arts/Hum | Elective | 3 |
| Semester Total | | 16 |
| Semester 4 | | |
| Nat. Sci | Elective | 3 |
| Soc. Sci | Elective | 3 |
| Rest. Elect | ASV Restricted Elective | 4 |
| Elective | Minimum 60 credits | 3 |
| Semester Total | | 13 |
| Program Totals | | 60 |

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

Secondary / Post-Secondary Program Alignment

Business

HIGH SCHOOL COURSE SEQUENCE

| 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 | | |
| Nat. Sci. | Elective(s) | 3 |
| Math | Select one of MTH 125, MTH 160, MTH 176 or MTH 181 | 4 |
| ENG 111 | Composition I | 4 |
| BMG 140 | Introduction to Business | 3 |
| Semester Total | | 14 |
| Semester 2 | | |
| Arts/Human. | Elective(s) | 3 |
| Writing/Comm. | Elective(s) | 3 |
| ACC 111 | Principles of Accounting I | 3 |
| BMG 207 | Business Communication | 3 |
| CIS 110 | Introduction to Computer Information Systems | 3 |
| Semester Total | | 15 |
| Semester 3 | | |
| ACC 122 | Principles of Accounting II | 3 |
| Soc. Sci. | Elective(s) * | 3 |
| BMG 265 | Business Statistics | 3 |
| ECO 211 | Principles of Economics I | 3 |
| BMG 111 | Business Law I | 3 |
| Semester Total | | 15 |
| Semester 4 | | |
| Bus Elective(s) | BMG 181, BMG 230 or BMG 250** | 3 |
| Arts/Human. | Elective(s)*** | 3 |
| ECO 222 | Principles of Economics II | 3 |
| Nat. Sci. Lab | Elective(s) | 3 |
| Elective(s) | Elective(s) to reach a minimum of 60 credits. | 4 |
| Semester Total | | 16 |
| Program Totals | | 60 |

Additional Program Opportunities: *Accounting Associate Degree, Culinary Arts and Management Associate Degree, Information Systems Transfer Associate Degree*

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

Secondary / Post-Secondary Program Alignment

Construction Technology

HIGH SCHOOL COURSE SEQUENCE

| 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

| Semester 1 | | |
|-------------------|---|----|
| ENG 111 | Composition I | 4 |
| Arts/Human. | Elective(s) | 3 |
| CON 108 | Introduction to Construction Technology | 2 |
| MTH 178 | General Trigonometry | 3 |
| CON 104 | Construction Framing I | 3 |
| Semester Total | | 15 |
| Semester 2 | | |
| Speech/Comp. | Elective(s) | 3 |
| CMG 130 | Construction Site Safety and MIOSHA Regulations | 3 |
| PLS 112 | Introduction to American Government | 3 |
| CON 105 | Construction Framing II | 3 |
| Nat. Sci. 1 | Elective(s) | 3 |
| Semester Total | | 15 |
| Semester 3 | | |
| Gen Ed | Gen Ed Elective(s) to reach minimum 30 credits | 1 |
| Arts/Human. 2 | Elective(s) | 3 |
| PHY 105 | Conceptual Physics | 4 |
| CON 204 | Construction Finishes Interior | 3 |
| CON 205 | Construction Finishes Exterior | 3 |
| Semester Total | | 14 |
| Semester 4 | | |
| Electives(s) | Elective(s) to reach minimum 60 credits | 4 |
| Soc. Sci. 2 | Elective(s) | 3 |
| CON 220 | Construction Licensing, Contracts, and Start Up | 3 |
| CON 230 | Construction Production | 3 |
| CON 255 | Construction Concrete and Masonry | 3 |
| Semester Total | | 16 |
| Program Totals | | 60 |

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

**Secondary / Post-Secondary Program Alignment
Computer Sys. Networking & Technology**

HIGH SCHOOL COURSE SEQUENCE

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

WASHTENAW COMMUNITY COLLEGE

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

| | | |
|-------------------|---|----|
| Semester 1 | | |
| CST 118 | MS Command Line Fundamentals | 2 |
| CST 160 | Computer Technology I | 4 |
| CST 165 | Computer Technology II | 4 |
| CST 225 | PC Networking | 3 |
| Speech/Comp. | Elective(s) | 3 |
| Semester Total | | 16 |
| Semester 2 | | |
| Writing | Elective(s) | 3 |
| Math | Elective(s) | 3 |
| CIS 121 | Linus/UNIX I: Fundamentals | 4 |
| CNT 201 | Administering Microsoft Windows Client Operating System | 3 |
| CNT 211 | Installation, Storage and Compute Windows Server 2016 | 4 |
| Semester Total | | 17 |
| Semester 3 | | |
| Natural Science | Elective(s) | 3 |
| Soc. Sci. | Elective(s) | 3 |
| CNT 206 | Introduction to Networks | 4 |
| CNT 216 | Routing and Switching Essentials | 4 |
| CSS 200 | Introduction to Network Security | 4 |
| Semester Total | | 18 |
| Semester 4 | | |
| Arts/Human. | Elective(s) | 3 |
| CIS 161 | Introduction to PowerShell | 4 |
| CSS 205 | Essentials of Network Penetration Testing | 4 |
| CSS 210 | Basic Network Perimeter Protection | 4 |
| Semester Total | | 15 |
| Program Totals | | 66 |

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

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

Secondary / Post-Secondary Program Alignment

HIGH SCHOOL COURSE SEQUENCE

| 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 | | |
|-----------------------|--|-----------|
| Speech/Comp | Elective(s) | 3 |
| Nat. Sci | Elective(s) | 3 |
| CPS 171 | Introduction to Programming with C++ | 4 |
| ENG 111 | Composition I | 4 |
| Semester Total | | 14 |
| Semester 2 | | |
| Arts/Human. | Elective(s) | 3 |
| CIS 121 | Linux/UNIX I: Fundamentals | 4 |
| CPS 271 | Object Features of C++ | 4 |
| Soc. Sci. | Elective(s) | 3 |
| Math | MTH 176 or higher 4 credit | 4 |
| Semester Total | | 17 |
| Semester 3 | | |
| Nat. Sci. Lab | Elective(s) | 3 |
| CPS 276 | Web Programming Using Apache, MySQL and PHP | 4 |
| CPS 272 | Data Structures in C++ | 4 |
| Soc. Sci. | Elective(s) | 3 |
| Semester Total | | 14 |
| Semester 4 | | |
| Arts/Human. | Elective(s) | 3 |
| Elective | Students must complete 100-level or above transferrable course(s) to reach a minimum of 60 credits. Possible CIS/CPS electives include: CIS 282, CPS 161, CPS 251, CPS 261, CPS 278, CIS 221 | 6 |
| CPS 298 | Professional Team Programming | 4 |
| Gen Ed | Elective(s) to reach minimum 30 General Education (0-1) | 1 |
| Semester Total | | 14 |
| Program Totals | | 60 |

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

Secondary / Post-Secondary Program Alignment

Cooking and Related Culinary Arts

HIGH SCHOOL COURSE SEQUENCE

| 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

Culinary and Hospitality Management

Associate in Applied Science

| Semester 1 | | |
|-------------------|--|----------|
| Writing | Elective(s) | 3 |
| CUL 110 | Sanitation and Hygiene* | 2 |
| CUL 116 | Culinary Principles | 3 |
| CUL 145 | Dining Room Service | 3 |
| CUL 118 | Culinary Nutrition | 3 |
| Math | Elective(s) | 3 |
| Semester Total | | 17 |
| Semester 2 | | |
| Speech/Comp. | Elective(s) | 3 |
| Nat. Sci. | Elective(s) | 3 |
| CUL 104 | Baking Science | 2 |
| CUL 120 | Classical Kitchen | 3 |
| CUL 141 | Principles of Cost Control | 3 |
| CUL 150 | Management and Supervision | 3 |
| Semester Total | | 17 |
| Semester 3 | | |
| Arts/Human. | Elective(s) | 3 |
| CUL 114 | Fundamentals of Baking | 3 |
| CUL 121 | Modern Kitchen | 3 |
| CUL 208 | Menu Planning | 3 |
| CUL 221 | Culinary Purchasing | 3 |
| CUL Elective | Choose 1: CUL 232, CUL 233, CUL 234, CUL 251 | 2 |
| Semester Total | | 17 |
| Semester 4 | | |
| CUL 115 | Fundamentals of Pastry | 3 |
| CUL 210 | Garde Manger | 3 |
| CUL 230 | American Regional and Global Cuisine | 3 |
| CUL 245 | Beverage Management | 2 |
| CUL Elective | Choose 1: CUL 232, CUL 233, CUL 234, CUL 251 | 2 |
| Social Science | Elective(s) | 3 |

| | | |
|----------------|--|----|
| Semester Total | | 16 |
| 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 | | |
|-------------------------|--|----------|
| ENG 111 | Composition I | 4 |
| GDT 101 | History of Graphic Design | 3 |
| GDT 104 | Introduction to Graphic Design | 4 |
| WEB 115 | Introduction to Interface Design | 4 |
| Soc. Sci. | Elective(s) | 3 |
| Semester Total | | 18 |
| Semester 2 | | |
| Speech | Elective(s) | 3 |
| Restricted Elect | Elective(s) | 3 |
| GDT 100 | Typography I | 4 |
| GDT 112 | Principles and Problem Solving in Graphic Design | 4 |
| Semester Total | | 14 |
| Semester 3 | | |
| GDT 215 | Typography II | 4 |
| GDT 220 | Publication Design | 4 |
| GDT 239 | Imaging and Illustration | 4 |
| WEB 215 | Intermediate Interface Design | 4 |
| Semester Total | | 16 |
| Semester 4 | | |
| GDT 252 | Advanced Digital Studio | 4 |
| GDT 290 | Professional Practices | 4 |
| Nat. Sci. | Elective(s) | 3 |
| COM 101 | Fundamentals of Speaking | 3 |
| Restricted Elect | Elective(s) | 3 |
| Semester Total | | 17 |
| Program Totals | | 65 |

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

Secondary / Post-Secondary Program Alignment

Radio & TV Broadcasting Technology

HIGH SCHOOL COURSE SEQUENCE

| 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 | | |
|-----------------------------|---|-----------|
| Nat. Sci. | Elective(s)* | 3 |
| ENG 111 | Composition I | 4 |
| HUM 120, HUM 150 or HUM 185 | Introduction to Film, International Cinema or The Horror Film | 3 |
| VID 105 | Foundations in Digital Video I | 4 |
| Semester Total | | 14 |
| Semester 2 | | |
| HUM 160 | American Film | 3 |
| VID 125 | Foundations in Digital Video II | 4 |
| VID 270 | Documentary Video Production I | 3 |
| VID 255 | Green Screen I | 3 |
| Math | Elective(s) | 3 |
| Semester Total | | 16 |
| Semester 3 | | |
| Speech/Comp. | Elective(s) | 3 |
| VID 210 or VID 240 | Screenplays or Digital Cinematography | 3 |
| VID 276 | Video Graphics I | 3 |
| VID | Elective(s) | 3 |
| Soc. Sci. | Elective(s) | 3 |
| Semester Total | | 15 |
| Semester 4 | | |
| Nat. Sci. Lab | Elective(s) | 3 |
| Soc. Sci. | Elective(s) | 3 |
| VID 203 | Web Video | 3 |
| VID 295 | Portfolio and Project Seminar | 3 |
| Arts/Human. | Elective(s) | 3 |
| Semester Total | | 15 |
| Program Totals | | 60 |

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

Secondary / Post-Secondary Program Alignment

DIGITAL MEDIA ARTS

HIGH SCHOOL COURSE SEQUENCE

| 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

Web Design and Development - Web Design Concentration

Associate in Applied Science

| Semester 1 | | |
|-----------------------|--|-----------|
| ENG 111 | Composition I | 4 |
| WEB 110 | Web Development I | 4 |
| WEB 113 | Web User Experience I | 4 |
| WEB 115 | Introduction to Interface Design | 4 |
| Semester Total | | 16 |
| Semester 2 | | |
| WEB 210 | Web Development II | 4 |
| WEB 213 | Web User Experience II | 4 |
| WEB 215 | Intermediate Interface Design | 4 |
| COM 101 | Fundamentals of Speaking | 3 |
| Semester Total | | 15 |
| Semester 3 | | |
| Arts/Human. | Elective(s)* | 3 |
| Social Science | Elective(s)* | 3 |
| WEB 235 | Advanced Interface Design | 4 |
| Elective | Any course from ANI, GDT, PHO, VID or WEB | 3 |
| Elective | WEB 233 or any GDT Course | 3 |
| Semester Total | | 16 |
| Semester 4 | | |
| Nat. Sci. | Elective(s) | 3 |
| Math | Elective(s) | 3 |
| Elective | Any 100 level ANI, GDT, PHO, VID or WEB to meet minimum of 60 credit hours | 3 |
| WEB 255 | Interaction Design | 4 |
| Semester Total | | 13 |
| Program Totals | | 60 |

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

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 <i>or Elective</i> U.S. History Health Sciences Technology Health Sciences Internship | English Elective Physics <i>or Elective</i> Math Analysis <i>or Elective</i> U.S. Government Health Sciences Technology Health Sciences Internship |

WASHTENAW COMMUNITY COLLEGE

Health Care Foundations

Certificate

| <i>Semester 1</i> | | |
|-------------------|---|---------|
| 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 |
| <i>Semester 2</i> | | |
| HCFELEC3 | Required Elective 3: MTH, 125, MTH 160 or MTH 167, MTH 169 or Math Level 4 or higher course | 3 |
| HCFELEC4 | Required Elective 4: HSC 100, HSC 103 or RAD 100 for 1-4 credits | 1-4 |
| PHL 244 | Ethical and Legal Issues in Health Care | 3 |
| HCFELEC5 | PSY 100, PSY 206 or SOC 100 | 3 |
| Semester Total | | 10 -13 |
| Program Totals | | 23 - 26 |

*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, 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

| 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 | | |
|-------------------|---|----------|
| FLP 101 | Fluid Power Fundamentals - I | 2 |
| FLP 110 | Fluid Power Fundamentals - II | 2 |
| NCT 101 | Introduction to Computerized Machining (CNC) - I | 2 |
| NCT 110 | Introduction to Computerized Machining (CNC) - II** | 2 |
| ROB 101 | Robotics I - I | 2 |
| ROB 110 | Robotics I - II | 2 |
| Math | Elective(s) | 3 |
| Semester Total | | 15 |
| Semester 2 | | |
| ELE 111 | Electrical Fundamentals | 4 |
| MEC 100 | Materials and Processes | 3 |
| MEC 101 | 3D Modeling and Blueprint Reading | 2 |
| MTT 102 | Machining for Auto Applications | 2 |
| NCT 120 | Introduction to 2D CAD CAM Programming and Applications | 2 |
| Semester Total | | 13 |
| Semester 3 | | |
| MEC 201 | Mechanisms | 2 |
| NCT 121 | Manual Programming and NC Tool Operation | 4 |
| ROB 212 | Robotics II | 4 |
| Arts/Human. | Elective(s) | 3 |
| Writing | Elective(s) | 3 |
| Semester Total | | 16 |
| Semester 4 | | |
| NCT 221 | Advanced Manual Programming and NC Tool Operation | 4 |
| ELE 224 | Programmable Controllers (PLCs) I | 4 |
| ROB 222 | Robotics Simulation | 2 |
| ROB 223 | Robotics III | 2 |
| Soc. Sci. | Elective(s) | 3 |
| Semester Total | | 15 |
| Semester 5 | | |

| | | |
|----------------|---|----|
| Speech/Comp. | Elective(s) | 3 |
| Nat. Sci. | Elective(s) | 3 |
| MEC 224 | Robotics IV | 4 |
| NCT 123 | 2D CAD CAM CNC Programming for Mills and Lathes | 2 |
| Semester Total | | 12 |
| Program Totals | | 71 |

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

Secondary / Post-Secondary Program Alignment

Welding

HIGH SCHOOL COURSE SEQUENCE

| 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 Welding | English 12 Math Social Studies Welding |

WASHTENAW COMMUNITY COLLEGE

Welding Technology

Associate in Applied Science

| Semester 1 | | |
|-------------------|---|----|
| WAF 106 | Welding Print Reading | 3 |
| WAF 109 | Welding Safety and OSHA Regulations | 2 |
| WAF 125 | Introduction to Welding Processes I | 2 |
| WAF 126 | Introduction to Welding Processes II | 2 |
| NCT 120 | Introduction to 2D CAD CAM Programming and Applications | 2 |
| Math | Elective(s) | 3 |
| Semester Total | | 14 |
| Semester 2 | | |
| WAF 131 | Thermal Cutting, Gouging and Weld Repair | 3 |
| WAF 130 | Shield Metal Arc Welding (SMAW) | 4 |
| WAF 139 | Basic Metal Fabrication | 3 |
| WAF 140 | Inspection and Testing | 3 |
| Semester Total | | 13 |
| Semester 3 | | |
| WAF 230 | Advanced Shielded Metal Arc Welding (SMAW) | 4 |
| WAF 231 | Gas Tungsten Arc Welding (GTAW) | 4 |
| WAF 232 | Semi-Automatic Welding Processes | 4 |
| Writing | Elective(s) | 3 |
| Semester Total | | 15 |
| Semester 4 | | |
| WAF 150 | Automated Welding and Cutting | 3 |
| WAF 210 | Welding Metallurgy | 3 |
| WAF 233 | Submerged Arc and Flux Core Arc Welding | 3 |
| Speech | Elective(s) | 3 |
| Semester Total | | 12 |
| Semester 5 | | |
| WAF 239 | Advanced Metal Fabrication | 3 |

| | | |
|----------------|-------------|----|
| Arts/Human. | Elective(s) | 3 |
| Nat. Sci. | Elective(s) | 4 |
| Soc. Sci. | Elective(s) | 3 |
| Semester Total | | 13 |
| Program Totals | | 66 |

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

Conditions & Requirements

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

Special Conditions

1. This agreement is in effect for students who enter into their career and technical program beginning Fall of 2017 and earn credit at Washtenaw Community College by the end of Fall semester 2019. Exception: Students entering the Nursing Program must meet program requirements at the time of entry into the program. Please see website for information: www.wccnet.edu/health
2. All federal, state, and accreditation mandates supersedes this articulation agreement.

Effective Dates

Year 1:

| | |
|---------------------------|-------------------|
| Agreement start date: | September 1, 2017 |
| H.S. Graduation during: | 2018 |
| Last date to post credit: | December 31, 2020 |

Year 2:

| | |
|---------------------------|-------------------|
| Agreement start date: | September 1, 2018 |
| H.S. Graduation during: | 2019 |
| Last date to post credit: | December 31, 2021 |

Year 3:

| | |
|---------------------------|-------------------|
| Agreement start date: | September 1, 2019 |
| H.S. Graduation during: | 2020 |
| Last date to post credit: | December 31, 2022 |

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

Participating Instructors

| Program | Instructors |
|---|---|
| Accounting/ Finance | Statewide Agreement |
| Automotive Services | Statewide Agreement |
| Collision Repair | Statewide Agreement |
| Business | Statewide Agreement |
| Computer Sys. Networking and Technology | Statewide Agreement |
| Computer Programming | Statewide Agreement |
| Construction | Statewide Agreement |
| Cosmetology | Statewide Agreement |
| Culinary Arts/Cooking | Statewide Agreement |
| Digital Media | Statewide Agreement |
| Graphic and Printing Technology | Statewide Agreement |
| Health Science | Statewide Agreement |
| Mechatronics | Statewide Agreement |
| Radio & Broadcasting Technology | Statewide Agreement |
| Welding | Statewide Agreement Jim Fowler, Flat Rock Community High School Glenn Kay II, Washtenaw Community College |

Addendum 2018-2019

Updated program: revised WCC general education requirements and semester formats 8/7/18 mo
Removed CUL 100, WAF 111 and WAF 288 as those courses were discontinued 11/30/18 jlg