

Articulation Agreement between <u>Oakland Schools</u> & <u>Oakland Community College</u> September 1, 2019 – August 31, 2022

(BUS 1100)	Introduction to Business					
(CAD 1101)	Introduction to CAD					
(CAR 1300)	Collision Welding					
(CAR 1600)	Paint and Refinish I					
(Networking Concepts					
(CIS 1400)	Web Design I					
(CIS 1420)	HTML 5 Programming					
· · · · ·	Fundamentals of					
Cybersecuri	ty					
(ČIS 2434)	Introduction to Linux and					
Unix Admin	istration					
(CIS 2845)	Computer Forensics					
(CRJ 1010)	Introduction to Criminal					
	Justice					
(CUL 1010)	Food Standards,					
. ,	Sanitation and Hygiene					
(GRD 1100)	Graphic Design					

(GRD 1750)	Computer Design*
(GRD 1850)	Digital Illustration*
(MCT 1000)	Integrated Systems
(MDA 1103)	Medical Terminology
(MKT 1020)	Salesmanship
(MKT 2520)	Fundamentals of Marketing
,	Theory/Practice
(MTT 1100)	Introduction to Machine Tools
(Medical Responder/First
()	Responder
(ROB 1500)	Introduction to Robotics
(Technology
(WEL 1000)	Introduction to Welding; Theory
()	and Practice I
(WEL 1100)	Introduction to Welding; Theory
(and Practice II

*Oakland Technical EC students only

Article I

Agreement on Principle

Oakland Community College ("OCC") and **Oakland Schools (Oakland Schools Technical Campuses (OSTC) NW, NE, SW, SE)** ("the district") agree that students who enroll in state approved Career and Technical Education (CTE) curriculum and who choose to attend OCC should be provided with a smooth transition to post-secondary education that minimizes loss of credit and duplication of coursework. Therefore, OCC and all of the above named school districts agree to enter into this Articulation Agreement ("Agreement") as cooperating, equal partners who shall maintain the integrity of their separate programs.

Article II

Agreement on Program Specifics

OCC and **Oakland Schools** agree that any student who has satisfied the requirements outlined in this Agreement are eligible to receive the specified number of course credits which may be applied towards the OCC programs listed in Article VI. Students using this Agreement must follow the procedures specified in Article VII and meet all other OCC admissions requirements in order to be eligible to receive articulated credit. Articulated courses are treated as transfer courses and will not affect the student's GPA at OCC.



Article III Agreement on Communication

OCC and **Oakland Schools** agree to cooperate in communicating with each other and with their common and respective publics concerning the established relationship outlined in this Agreement.

Communication may include various hard copy and electronic publications to inform those who might benefit personally or professionally from the opportunities provided by this Agreement. Both parties will share the information in this Agreement with interested and qualified students, their parents/guardians as well as appropriate school district and college personnel.

Article IV

Maintenance and Review Procedures

At least one representative from each organization will be appointed to act as agent for the implementation of this Agreement, to speak for the organization and to communicate changes to respective faculty members, advisors, counselors, and others to whom the information is pertinent. Responsibility for oversight of this Agreement rests with the Director of Secondary Partnerships at OCC and the CTE Director of **Oakland Schools** or their designees. Both parties agree to communicate annually any changes in their respective programs that may affect this Agreement.

Article V

Responsibility of School District

Throughout the duration of this Agreement, the district agrees to provide OCC:

- All changes to the class name(s), class number(s) and CIP code(s) for the CTE program(s) covered under this Agreement.
- Written notification of changes to program content and/or instruction as it aligns with the State of Michigan CTE curriculum.
- Written notification of loss of state funding or decertification for any program covered under this Agreement.
- The student's final grade for the high school CTE program covered under this Agreement as reported on their high school transcript.
- The names and contact information (work e-mail, phone number and mailing address) of individuals who teach the specified articulated curriculum as well as counselors at the facilities where the classes are located.
- If requested, proof that instructors listed as teaching the articulated classes listed in Article VI are highly qualified and have a valid Michigan Teacher Certification at the secondary level with both appropriate subject matter and CTE endorsements.
- Notification of a change in instructor teaching an articulated class covered under this Agreement. Failure to provide any of the above information could result in the termination of this Agreement.



Article VI Curriculum Alignment

OCC Course	OCC Course	District	CIP	State of Michigan CTE	District CTE Class
Name	& Credits	Equivalent		Program	Name(s)
					OSTC NW, NE, SW, SE
					Entrepreneurship and
Introduction to	BUS 1100	1 year, 2	52.1999	Marketing Sales and	Advanced Marketing or
Business	4	semesters	52.1999	Services	ITEAM Advanced
					Marketing

State Approved Segments:

- 1. Functions/Foundations of Marketing
- 2. Selling
- 3. Promotion and Social Media
- 4. Pricing
- 5. Financial Analysis
- 6. Channel Management

- 7. Entrepreneurship, Risk Management, and Operations
- 8. Marketing Information Management
- 9. Strategic Market Planning
- 10. Product Service Planning
- 11. Human Resources, Management, and Careers
- 12. Economics

OCC Course	OCC Course	District	CIP	State of Michigan CTE	District CTE Class
Name	& Credits	Equivalent		Program	Name(s) OSTC NW, NE, SW, SE
Introduction to CAD	CAD 1101 4	2 Years, 4 Semesters	14.4201	Mechatronics	Engineering, Robotics & Mechatronics or Mechatronics or EET Mechatronics

State Approved Segments:

Segment Q – 2nd Year Student, CAD Focus

- 1. Systems Integrations/Mechatronics
- 2. System Design/Prototype/CAD
- 3. Electrical/Motor Controls/VFD/Servo
- 4. Mechanical
- 5. Control Systems/Electrical Controls
- 6. PLC/Diagnostics

- 7. Fluid Power/Pneumatics
- 8. Robotics
- 9. Electronics/Sensors
- 10. Manufacturing/Machining/CNC
- 11. Quality/Measurements
- 12. Blueprint/Schematics/Drafting



OCC Course	OCC Course	District	CIP	State of Michigan CTE	District CTE Class
Name	& (Credits)	Equivalent		Program	Name(s) OSTC NW, NE, SW, SE
Collision Welding	CAR 1300 4	1 year, 2 semesters	47.0603	Collision Repair Technician	Collision Repair and Refinishing or Collision Technology
Paint and Refinish I	CAR 1600 4	1 year, 2 semesters	47.0603	Collision Repair Technician	Collision Repair and Refinishing or Collision Technology

- 1. Collision Orientation
- 2. Career and Employability Skills
- 3. Safety
- 4. Substrate Identification and Preparation
- 5. Refinishing Equipment
- 6. Undercoats and Corrosion Protection
- 7. Mixing and Applying Topcoat
- 8. Final Detailing
- 9. Advance Color Mixing and Refinishing
- 10. Paint Problems and Defects
- 11. Damage Analysis
- 12. Estimating and Customer Service

OCC Course	OCC Course	District	CIP	State of Michigan CTE	District CTE Class
Name	& Credits	Equivalent		Program	Name(s)
Networking Concepts	CIS 1300 4	1 year, 2 semesters	11.0901	Computer Systems Networking & Telecommunications	OSTC SW and NE: ITEAM Computer Networking or Computer Networking
Networking Concepts	CIS 1300 4	1 year, 2 semesters	11.1003	Computer & Information Systems Security	OSTC SE: Cybersecurity Networking or Cyber Security

State Approved Segments:

11.0901

- 1. PC Hardware
- 2. Troubleshooting, Repair, & Maintenance
- 3. Operating System & Software
- 4. Safety
- 5. Security
- 6. Operational Procedure

- 7. Network Technologies
- 8. Network Hardware & Tools
- 9. Personal Skills & Customer Service
- 10. Network Management
- 11. Teamwork & Leadership
- 12. Network Analysis & Design



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11.1003

- 1. Principles of Information Security
- 2. Strategic Infrastructure
- 3. Perimeter Defense
- 4. Computer Forensics
- 5. Safety Procedures
- 6. Operational Procedures

- 7. Personal Skills and Ethics
- 8. Network Management and Design
- 9. Law and Regulation
- 10. Teamwork and Leadership
- 11. Career Ready Practices
- 12. Computer Hardwar & Software Tools

OCC Course Name	OCC Course & Credits	District Equivalent	CIP	State of Michigan CTE Program	District CTE Class Name(s)
Web Design I	CIS 1400 4	1 year, 2 semesters and MTA: HTML5 Application Development Fundaments	11.0201	Computer Programming/Programmer	OSTC NW, NÈ, SW, SE ITEAM Computer Programming or Computer Programming
HTML 5 Programming	CIS 1420 3	Certification 1 year, 2 semesters and Advanced HTML5 and CSS3 Specialist Exam 1D0-620 Certification	11.0201	Computer Programming/Programmer	ITEAM Computer Programming or Computer Programming

- 1. Business Communication
- 2. Ethics, Legal, Copyright, Safety
- 3. Career and Employability (Entrepreneurship)
- 4. Information Technology Fundamentals
- 5. Logic and Problem Solving
- 6. Beginning Application Development Coding
- 7. Advanced Application Development Database, Files
- 8. Leadership and Teamwork
- 9. Programming Fundamentals and Syntax
- 10. Needs Assessment/Project Planning
- 11. Debug and Software Testing Quality Assurance
- 12. Programing Maintenance Enhancements



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OCC Course	OCC	District	CIP	State of Michigan CTE	District CTE Class
Name	Course &	Equivalent		Program	Name(s)
	Credits			-	
					OSTC SE:
Fundamentals of	CIS 1600	1 year, 2	11.1003	Computer & Information	Cybersecurity
Cybersecurity	4	semesters	11.1005	Systems Security	Networking or Cyber
					Security
Introduction to					OSTC SE:
Linux and Unix	CIS 2434	1 years, 2	11.1003	Computer & Information	Cybersecurity
Administration	3	semesters	11.1005	Systems Security	Networking or Cyber
Administration					Security
					OSTC SE:
Computer	CIS 2845	2 years, 4	11.1003	Computer & Information	Cybersecurity
Forensics	4	semesters	11.1003	Systems Security	Networking or Cyber
					Security

- 1. Principles of Information Security
- 2. Strategic Infrastructure
- 3. Perimeter Defense
- 4. Computer Forensics
- 5. Safety Procedures
- 6. Operational Procedures

- 7. Personal Skills and Ethics
- 8. Network Management and Design
- 9. Law and Regulation
- 10. Teamwork and Leadership
- 11. Career Ready Practices
- 12. Computer Hardwar & Software Tools

OCC Course	OCC	District	CIP	State of Michigan CTE	District CTE Class
Name	Course &	Equivalent		Program	Name(s)
	Credits				OSTC SE
Introduction to Criminal Justice	CRJ 1010	1 year, 2 semesters and Complete CRJ (1030) Police Communicatio ns at OCC and receive a "C" or better. Course credit for CRJ (1010) will be added after successfully completing CRJ (1030)	43.0100	Public Safety /Protective Services	Criminal Justice



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- 1. Organizational Structure
- 2. Professional Standards including Ethics and Legal Responsibility
- 3. Safety, Health and Environment
- 4. Public Safety Branches
- 5. Law and Legal System
- 6. Public Relations

- 7. Career Development
- 8. Workplace Technology
- 9. Problem Solving/Investigations
- 10. Leadership and Teamwork
- 11. Communications
- 12. Applied Academic in Law and Public Safety

OCC Course Name	OCC Course & Credits	District Equivalent	CIP	State of Michigan CTE Program	District CTE Class Name(s) OSTC NW, NE, SW, SE
Food Standards, Sanitation and Hygiene	CUL 1010	1 year, 2 semesters and ServSafe® Manager Certification	12.0500	Cooking and Related Culinary Arts	Culinary Arts/Hospitality

State Approved Segments:

- 13. Cost Control & Culinary Math
- 14. Culinary Core
- 15. ServSafe & Sanitation
- 16. Guest Relations
- 17. Basic Cooking
- 18. Baking & Pastry

- 19. Management
- 20. Marketing & Entrepreneurship
- 21. Advanced Cooking
- 22. Garde Manger
- 23. Sustainability & Nutrition
- 24. Career & Professional Development

OCC Course Name	OCC Course & Credits	District Equivalent	CIP	State of Michigan CTE Program	District CTE Class Name(s) OSTC NW, SW, SE
Graphic Design	GRD 1100 3	1 year, 2 semesters	10.0301	Graphic Communications	Visual Imaging
Computer Design*	GRD 1750 4	2 years, 4 semesters	10.0301	Graphic Communications	Visual Imaging
Digital Illustration*	GRD 1850 4	2 years, 4 semesters	10.0301	Graphic Communications	Visual Imaging

*Only available to students in the Oakland Technical Early College Program



- 1. Industry Overview
- 2. Safety and Health
- 3. Introduction to Design and Image Development
- 4. Introduction to Image Output
- 5. Intro to finishing Operations
- 6. Employability Skills and Portfolio

- 7. Applied Academics
- 8. New Media, Advanced Design & Image Development
- 9. Leadership
- 10. Advanced Image Output
- 11. Advanced Finishing Operations
- 12. Project Management

OCC Course Name	OCC Course & Credits	District Equivalent	CIP	State of Michigan CTE Program	District CTE Class Name(s) OSTC NW, NE, SW, SE
Integrated Systems	MCT 1000 2	1 year, 2 semesters	14.4201	Mechatronics	Engineering, Robotics & Mechatronics or Mechatronics or EET Mechatronics

State Approved Segments:

- 13. Systems Integrations/Mechatronics
- 14. System Design/Prototype/CAD
- 15. Electrical/Motor Controls/VFD/Servo
- 16. Mechanical
- 17. Control Systems/Electrical Controls
- 18. PLC/Diagnostics

- 19. Fluid Power/Pneumatics
- 20. Robotics
- 21. Electronics/Sensors
- 22. Manufacturing/Machining/CNC
- 23. Quality/Measurements
- 24. Blueprint/Schematics/Drafting

OCC Course Name	OCC Course & Credits	District Equivalent	CIP	State of Michigan CTE Program	District CTE Class Name(s) OSTC NW, NE, SW, SE
Medical Terminology*	MDA 1103	1 year, 2 semesters	51.000	Health Sciences/Allied Health/Health Sciences	Health Sciences

- 1. Anatomy and Physiology
- 2. Legal Responsibilities
- 3. Infection Control
- 4. Client Status
- 5. Workplace Safety
- 6. Healthcare Delivery Systems

- 7. Ethics
- 8. Clinical Skills
- 9. Wellness
- 10. Healthcare Communications and Terminology
- 11. Health Informatics and Technology
- 12. Career Readiness



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OCC Course	OCC	District	CIP	State of Michigan CTE	District CTE Class
Name	Course &	Equivalent		Program	Name(s) OSTC NW, NE, SW, SE
	Credits				051C 1W, NE, SW, SE
					Entrepreneurship and
Salesmanship	MKT 1020	1 year, 2	52.1999	Marketing Sales and	Advanced Marketing or
Salesmanship	3	semesters	52.1999	Services	ITEAM Advanced
					Marketing

State Approved Segments:

- 1. Functions/Foundations of Marketing
- 2. Selling
- 3. Promotion and Social Media
- 4. Pricing
- 5. Financial Analysis
- 6. Channel Management

- 7. Entrepreneurship, Risk Management, and Operations
- 8. Marketing Information Management
- 9. Strategic Market Planning
- 10. Product Service Planning
- 11. Human Resources, Management, and Careers
- 12. Economics

OCC Course	OCC	District	CIP	State of Michigan CTE	District CTE Class
Name	Course & Credits	Equivalent		Program	Name(s) OSTC NW, NE, SW, SE
Fundamentals of Marketing Theory/Practice	MKT 2520 3	2 years, 4 semesters	52.1999	Marketing Sales and Services	Entrepreneurship and Advanced Marketing or ITEAM Advanced Marketing

- 1. Functions/Foundations of Marketing
- 2. Selling
- 3. Promotion and Social Media
- 4. Pricing
- 5. Financial Analysis
- 6. Channel Management

- 7. Entrepreneurship, Risk Management, and Operations
- 8. Marketing Information Management
- 9. Strategic Market Planning
- 10. Product Service Planning
- 11. Human Resources, Management, and Careers
- 12. Economics

OCC Course Name	OCC Course & Credits	District Equivalent	CIP	State of Michigan CTE Program	District CTE Class Name(s) OSTC NW, NE, SW, SE
Introduction of Machine Tools	MTT 1100	1 year, 2 semesters	48.0501	Machine Tool Technology/Machinist	Machining or Machining Technology or EET Machining



- 1. Safety
- 2. Metal Working Theory/Materials
- 3. Inspection and Measurement
- 4. Print Reading and GD&T
- 5. Benchwork
- 6. Occupational Skills/Work Habits

- 7. Saws, Drills, and Power Tools
- 8. Maintenance and Set Up
- 9. Mill/Lathe I
- 10. Manufacturing Processes
- 11. Advanced Milling/Turning/Grinding
- 12. CNC/CAD/CAM

OCC Course Name	OCC Course &	District Equivalent	CIP	State of Michigan CTE Program	District CTE Class Name(s)
	Credits	-		_	OSTC NW, NE, SW, SE
Medical Responder/First Responder	PER 2540	l year, 2 semesters and American Heart Association – Basic Life Support (BLS)	51.000	Health Sciences/Allied Health/Health Sciences	Health Sciences

- 1. Anatomy and Physiology
- 2. Legal Responsibilities
- 3. Infection Control
- 4. Client Status
- 5. Workplace Safety
- 6. Healthcare Delivery Systems

- 7. Ethics
- 8. Clinical Skills
- 9. Wellness
- 10. Healthcare Communications and Terminology
- 11. Health Informatics and Technology
- 12. Career Readiness

OCC Course Name	OCC Course &	District Equivalent	CIP	State of Michigan CTE Program	District CTE Class Name(s) OSTC NW, NE, SW, SE
Introduction to Robotics Technology	Credits ROB 1500 4	2 years, 4 semesters and FANUC CERT LEVEL 1 (Handling Tool Operations and Programming)	14.4201	Mechatronics	Engineering, Robotics & Mechatronics or Mechatronics or EET Mechatronics



- 1. Systems Integrations/Mechatronics
- 2. System Design/Prototype/CAD
- 3. Electrical/Motor Controls/VFD/Servo
- 4. Mechanical
- 5. Control Systems/Electrical Controls
- 6. PLC/Diagnostics

- 7. Fluid Power/Pneumatics
- 8. Robotics
- 9. Electronics/Sensors
- 10. Manufacturing/Machining/CNC
- 11. Quality/Measurements
- 12. Blueprint/Schematics/Drafting

OCC Course Name	OCC Course & Credits	District Equivalent	CIP	State of Michigan CTE Program	District CTE Class Name(s) OSTC NE, SW, SE
Introduction to Welding; Theory and Practice I	WEL 1000	1 year, 2 semesters	48.0508	Welding, Brazing, and Soldering	Welding or Welding Technology or EET Welding
Introduction to Welding; Theory and Practice II	WEL 1100	1 year, 2 semesters	48.0508	Welding, Brazing, and Soldering	Welding or Welding Technology or EET Welding

State Approved Segments:

- 1. Occupational Orientation
- 2. Safety and Health for Welders
- 3. Shielded Metal Arc Welding (SMAW)
- 4. Manual OxyFuel Gas Cutting (OFC)
- 5. Flux Cored Arc Welding (FCAW)
- 6. Drawing and Welding Symbols

- 7. Gas Metal Arc Welding (GMAW)
- 8. Mechanized OxyFuel Gas Cutting (OFC)
- 9. Gas Tungsten Arc Welding (GTAW)
- 10. Plasma Arc Cutting (PAC)
- 11. Weld Inspection and Testing
- 12. Carbon Arc Cutting (CAC-A)

Documentation of State of Michigan secondary instructional curriculum is available at http://ctenavigator.org/. Articulated credit is intended to be used toward the attainment of a degree or certificate at OCC. Students should consult an OCC counselor to discuss degree and certificate requirements and the application of articulation credit. Additional information is located on OCC's website (http://catalog.oaklandcc.edu/programs/).

Additional requirements for all OCC programs of study can be found at oaklandcc.edu/

NOTE: OCC reserves the right to deactivate any course or program at any time. In the event of such deactivation, OCC shall provide timely written notice to the district representative and will post public notice on the articulation website (https://www.oaklandcc.edu/Articulation/Default.aspx).



Students pursuing articulated credit at OCC must comply with the following conditions:

Eligibility requirements:

- Receive a grade of B average (3.0) or better in the high school CTE program covered under this Agreement
- Except for the MDA 1103 course, the student must request articulated credit within two (2) years of completing all other high school CTE course(s) covered under this Agreement

Procedures to apply for credit#:

- Request articulated credit on-line at <u>oaklandcc.edu/cte-credit/data/requestform.aspx</u>
- Verify high school CTE program completion with submission of official high school transcript to OCC via Parchment.
- If a certification is required for a specific articulated course, that certifications must be emailed to <u>HSarticulations@oaklandcc.edu</u>

Note: OCC reserves the right to deny any request for articulated credit in which it's been determined that the educational requirements have not been sufficiently achieved.

*Students may apply for articulated credit for MDA 1103 (Medical Terminology) any time following successful high school CTE program completion.

******Must apply for OCC course credit within 24 months after the completion of high school CTE class.



This Agreement is in effect from September 1, 2019 to August 31, 2022. If this Agreement is not renewed at the end of the effective period, students who already started the secondary CTE program will be given two (2) additional years to be admitted to OCC under the terms of this Agreement.

In the event this Agreement is terminated for whatever reason, it shall terminate immediately. OCC will provide timely written notification of the termination to the district contact named in Article IV. Students who have not completed the entire procedure of requesting credit before the termination date of this Agreement will not be granted credit.

Yes, a crosswalk comparing OCC and State of Michigan curriculum covered under the CIP Codes above was performed by OCC Deans and/or faculty and the curriculum match is at least 80%. The parties below recommend this course for articulation.

No, a crosswalk comparing OCC and the State of Michigan curriculum covered under the CIP Code above was performed by OCC Deans and/or faculty and the curriculum match does not meet the 80% threshold. Articulation is not recommended.

Oakland Community College and **Oakland Schools** agree to the terms of this agreement, which will be in effect from September 1, 2019 to August 31, 2022.

Oakland Community College

Joseph Petrosky Date Associate Vice Chancellor Academic Affairs

Timothy Sherwood Date Associate Vice Chancellor for Academic Affairs (Arts and Sciences)

Oakland Schools

Ben Morin Date Career Focused Education Coordinator Oakland Schools

Stephen M. Linden, MBA Date Registrar