ARTICULATION AGREEMENT

between

Boilermakers

Apprenticeship Training Program

and

Washtenaw Community College

Associate of Science in Construction Supervision
Associate of Applied Science in Construction Supervision
Associate of Applied Science in Journeyman Industrial

This agreement is effective as of September 1, 2026 and until August 31, 2029.

ARTICULATION AGREEMENT

between

Boilermakers

Apprenticeship Training Program

and

Washtenaw Community College (WCC)

Associate of Science in Construction Supervision
Associate of Applied Science in Construction Supervision
Associate of Applied Science in Journeyman Industrial

Article I

Agreement on Principle

WCC and the union organization agree that students completing the specified program through the union should be able to transfer credits smoothly, avoiding duplication and loss. Therefore, WCC and the union organization agree to enter into this program articulation agreement, thus ensuring that program completers can transfer to Washtenaw's program efficiently, with both parties cooperating as equal partners to maintain their programs' integrity.

Article II

Agreement of Program Specifics

WCC and the union organization agree that any student who has successfully completed the program may transfer the credits as indicated on the attached Articulation Guide toward the specified degree(s) at WCC. The requirements are:

1. Complete the program through the union organization and apply for admission to WCC.
2. Complete the orientation process and qualify for enrollment in 100 and 200 level courses or participate in appropriate preparatory coursework.
3. Submit a copy of one of the following documents to the Student Connection at WCC to receive transfer credit:
    a. Department of Labor's Office of Apprenticeship (DOL/OA) Certificate of Completion
    b. Union organization verification of program completion.
4. Complete the WCC academic program and graduation requirements as specified on the Articulation Guide and in the WCC Bulletin.
5. Apply for graduation.

Article III
Agreement on Communication

The union organization and WCC agree to cooperate in communicating with each other and with their common and respective publics concerning the established relationship between the two institutions.

Communication may include the development of various kinds of publications to inform those who might benefit personally or professionally from this agreement. Faculty and staff at both institutions will share the information in this agreement with interested and qualified students and both institutions will provide counseling and advising to students and prospective students.

Article IV
Maintenance and Review Body and Procedures

At least one administrative or faculty member from each institution will be appointed to act as agents for the implementation of this agreement and to communicate changes to respective faculty members, advisors, counselors, and others to whom the information is pertinent. WCC and the union organization agree to communicate annually any curriculum changes in their respective programs that may affect this articulation agreement and to review the agreement for revision and possible renewal during the third year.

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ARTICULATION GUIDE

Description	**Approximate Hours**	**WCC Credit Hours**
BMA 110 Boilermaker Mathematics and Technical Drawing This course provides apprentices with foundational mathematical skills and technical drawing knowledge essential for boilermaker work. Students master fractions, decimals, percentages, ratios, and proportions while developing proficiency in blueprint reading, mechanical drawing, and technical sketching. Emphasis is placed on mathematical applications specific to boilermaker calculations, measurement systems, and technical documentation used in industrial construction and maintenance environments.	Total Hours: 160	Credit Hours: 6
BMA 111 Rigging, Safety, and Tools for Boilermakers Students develop comprehensive knowledge of rigging principles, safety protocols, and tool usage specific to boilermaker applications. Topics include lifting equipment operation, crane signaling, scaffolding systems, personal protective equipment, hazard recognition, and OSHA compliance. Emphasis is placed on safe work practices, equipment inspection procedures, and emergency response protocols essential for working in industrial facilities and construction sites.	Total Hours: 140	Credit Hours: 5
BMA 112 Boiler Systems and Nuclear Power Plant Components This course covers the design, construction, and maintenance of boiler systems and nuclear power plant components. Students examine pressure vessel construction, steam generation systems, piping configurations, and specialized components used in industrial facilities. Topics include metallurgy	Total Hours: 180	Credit Hours: 7

fundamentals, thermal expansion principles, code requirements, and maintenance procedures for critical boiler and nuclear plant systems.		
BMA 113 Advanced Welding and Cutting Techniques Students master advanced welding processes and cutting techniques essential for boilermaker work. Topics include SMAW, GTAW, and GMAW welding procedures, plasma arc cutting, oxy-fuel cutting, and specialized joining methods. Emphasis is placed on weld quality control, cutting precision, brazing and soldering applications, and troubleshooting techniques for various metals and alloys used in industrial construction.	Total Hours: 160	Credit Hours: 6
APP 113		Credit Hours: 3
TOTAL:	640	Credit Hours: 29

ARTICULATING CREDITS

Apprenticeship credits (table above)	26 credits
Gen Ed earned through apprenticeship program (applicable to AAS only):	
APP 113	3 credits
Total:	**29 credits**