

Articulation Agreement

Between

Wayne County Community College District (WCCCD)
*Associate of Applied Science (AAS) with Michigan Transfer Agreement (MTA) in Welding
Technology*

And

Wayne State University College of Engineering
Bachelor of Science (BS) in Welding and Metallurgical Engineering Technology

This agreement made this 1st day of April 2021 is by and between Wayne State University (WSU) and Wayne County Community College District (WCCCD).

Wayne State University and Wayne County Community College District intend by this Agreement to set forth the terms and conditions of engaging in an educational program, to facilitate the transfer of students who earn an Associate of Applied Science degree with Michigan Transfer Agreement (MTA) in Welding Technology from WCCCD to earn a Bachelor of Science (BS) in Welding and Metallurgical Engineering Technology from WSU College of Engineering. Wayne State University and Wayne County Community College District may be referred to herein as a ("Party") and collectively ("Parties").

Article I

Agreement on Program Integrity

The Parties will maintain the integrity of their separate academic programs and enter into this agreement as equal and cooperating partner institutions.

Article II

Agreement on Principle

This agreement between WSU and WCCCD is intended to provide a smooth and seamless curriculum transition for WCCCD students who transfer to Wayne State University to earn a Bachelor of Science in Welding Metallurgical Engineering Technology from the College of Engineering. The agreement is designed for students who follow a prescribed plan of study leading to the associate degree. The credits transferred from the associate degree, as outlined in the appendices to this document, will be included in the total credit hours required for the Wayne State University Bachelor of Science. All other standard admission, curriculum, and graduation requirements of WSU and WCCCD must also be met.

Article III

Agreement of Program Articulation

The Parties agree that any student, who has earned the prescribed associate degree, may transfer the credits from their program to the WSU Bachelor of Science, as outlined in the attached appendices.

This agreement specifically allows the transfer of up to eighty (80) credits from Wayne County Community College District to Wayne State University. This is beyond the currently stipulated sixty-four (64) credits approved by the WSU Board of Governors. The purpose of allowing WCCCD students to transfer additional credits is to enable them to complete the associate and Michigan Transfer Agreement at WCCCD in addition to completing the Bachelor of Science at WSU without duplication of coursework. The degree requirements for students who follow this articulation agreement are outlined in Attachment A.

Article IV Agreement on Student Support

The Parties agree to track the progress and success of articulation participants. Responsibility for this tracking rests with the WSU College of Engineering and Wayne County Community College District.

Article V Agreement on Communication

The Parties agree to cooperate in communication with each other and with common and respective publics concerning the established relationships between the two institutions. Communication will include the development of various kinds of publications to inform those who might benefit from the opportunities provided by this articulation agreement. The appropriate faculty and staff in both institutions will share the information in this agreement with interested and qualified students. Both institutions will provide academic advising to students and prospective students. Joint efforts in marketing the program and student recruiting will be pursued.

The Parties further agree to communicate annually concerning curriculum changes that may affect the agreed upon program relationship. Responsibility for communication related to this agreement will rest with the individuals appointed under Article VI.

Article VI Agreement and Review Body Procedures

Each institution will appoint one or more faculty administrators to act as agents for the implementation of this agreement, and communicate changes to respective faculty members, advisors, and others to whom the information is pertinent. Responsibility for the oversight of this agreement rests with the Administration at the WSU College of Engineering and Wayne County Community College District.

**Article VII
Regarding Independent Relationship**

In the performance of their respective duties and obligations under this Agreement, each party is an independent contractor and neither is the agent, employee, or servant of the other, and each is responsible only for its own conduct. Each institution is responsible for the development and design of its own curriculum. Changes on the part of either party will/may necessitate review of this document.

**Article VIII
Agreement not to Discriminate**

Each party covenants and agrees that it does not discriminate on the basis of race, creed, color, age, sex, or national origin and it complies with the Americans with Disabilities Act of 1990, and that it does not discriminate on the basis of "physical or mental handicap" except where there exists a bona fide academic qualification.

Each party shall be separately responsible for compliance with all federal and state laws, including nondiscrimination laws and all applicable sections of the Michigan Handicapper's Civil Rights Act. Illegal discrimination by either party may be considered a material breach of this Agreement.

**Article IX
Entire Agreement**

This Agreement constitutes the entire agreement between the parties, and all prior discussions, agreements, and understandings, whether verbal or in writing, are hereby merged into this Agreement.

**Article X
Amendment/Modifications/or Terminations Provision**

The Parties agree to the terms of this Agreement. No amendment or modification to this Agreement, including any modification or amendment of this paragraph, shall be effective unless the same is in writing and signed by all parties or their Successors.

This Agreement will be in effect immediately upon signature and will be subject to review for continuance after a period of four (4) years. Renewal will be for four years unless either party notifies the other in writing by December 31 of the year preceding the last year of the agreement of their intention to renegotiate or of non-renewal of this agreement. In the event that this

Agreement must be terminated, all students currently enrolled in the program shall be allowed to complete the program as described.

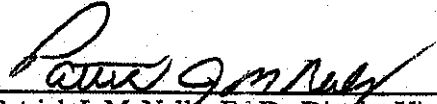
Signatories for Wayne State University:

Signatories for Wayne County Community College District:

Laurie Lauzon
Clabo

Digitally signed by Laurie Lauzon Clabo
DN: cn=Laurie Lauzon Clabo, o=Wayne State
University, ou=Office of the Provost,
email=laurie.lauzon.clabo@wayne.edu, c=US
Date: 2021.03.18 09:32:09 -0500

Laurie M. Lauzon Clabo, Ph.D., RN, FAAN
Interim Provost and Sr. Vice President for
Academic Affairs

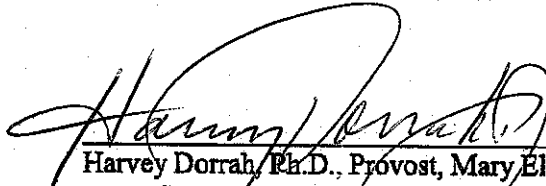


Patrick J. McNally, Ed.D., District Vice
Chancellor, Curriculum and Distance
Learning, Wayne County Community
College District

Farshad Fotouhi

Digitally signed by Farshad Fotouhi
DN: cn=Farshad Fotouhi, o=Wayne State
University, ou=College of Engineering,
email=fotouhi@wayne.edu, c=US
Date: 2021.03.12 13:14:02 -0500

Farshad Fotouhi, Ph.D., Dean of the
College of Engineering, Wayne State
University

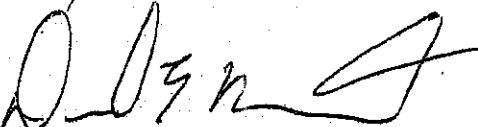


Harvey Dorrah, Ph.D., Provost, Mary Ellen
Stempfle University Center-Center for
Learning Technology, Wayne County
Community College District

Ece Yaprak,
Professor and Chair

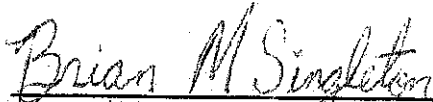
Digitally signed by Ece Yaprak, Professor and Chair
DN: cn=Ece Yaprak, Professor and Chair, o=Wayne
State University, ou=Engineering Technology,
email=eyaprak@wayne.edu, c=US
Date: 2021.03.11 15:52:44 -0500

Ece Yaprak, Ph.D., Professor and Chair of
the Engineering Technology Division,
Wayne State University



David E. Beaumont, Ph.D., District Vice
Chancellor, Educational Affairs, Wayne
County Community College District

Date: _____



Brian M. Singleton, MBA, Vice Chancellor
for Student Services, Wayne County
Community College District

FORM APPROVED
KG
11 MAR 2021
OFFICE OF THE
GENERAL COUNSEL

Date: 4/1/2021

Engineering Technology –Welding and Metallurgical Articulation Guide
Wayne County Community College District – Associate in Applied Science (with MTA) in Welding Technology
Wayne State University - Bachelor of Science in Welding and Metallurgical Engineering Technology
Catalog Year 2021-2022

WCCCD Degree and Michigan Transfer Agreement (MTA) Requirements

ENG 119 English I	3
English Composition or Speech (see MTA)	3
*MAT 155 College Algebra	4
*CHM 105 Intro to Chemistry	4
*PHYS 235 General Physics	4
PS 101 American Government	3
Social Science (see MTA requirements)	3
*PHIL 221 Ethics	3
Humanities (see MTA requirements)	3
Subtotal	30

**meets MTA requirements AND required for WSU degree program (prerequisites may be required per internal placement exam).
 *** Direct equivalent is PHI 2320 at WSU, but Welding and Metallurgical major accepts this course to fulfill PHI 1120 at WSU with MTA completion*

Additional WSU Requirements

*MTH 156 Trigonometry	4
CAD 101 Fundamentals of Computer Aided Drafting	4
MAN 120 Survey of Material Science	3
Subtotal	11

+MAT 155 and 156 must be taken at WCCCD for transfer credit.

Welding Technology Requirements

DRT 101 Blueprint Reading	3
WLT 103 Gas Tungsten Arc Welding	5
FM 106 Safety and Support Service	3
WLT 104 Tungsten Inert Gas Welding	5
WLT 105 MIG/Flux-Core/Plasma Welding	5
WLT 102 Arc Welding	5
WLT 106 Welding Fabrication	3
WLT 210 Weld Certification	5
WLT 101 Arc/Oxygen – Acetylene Welding	5
Subtotal	39

Transfer to WSU as:

ENG 1020	3
MTA-English Composition or Speech	3
MAT 1500	4
CHM 1020 General Chemistry	4
PHY 2130/1 General Physics + Lab	4
PS 1010 American Government	3
MTA-Social Science	3
PHI 2320 Intro to Ethics	3
MTA-Humanities	3
Transfer Subtotal	30

Transfer to WSU as:

MAT 1800 Elementary Functions	4
ET 2140 Computer Graphics	4
ET 2200 Engineering Materials	3
Subtotal	11

+MAT 155 and 156 must be taken at WCCCD for transfer credit.

Transfers to WSU as:

ET 1XXX Lower Division Technical	3
ET 1XXX Lower Division Technical	5
ET 1XXX Lower Division Technical	3
ET 1XXX Lower Division Technical	5
ET 1XXX Lower Division Technical	5
ET 1XXX Lower Division Technical	5
ET 1XXX Lower Division Technical	3
ET 2XXX Lower Division Technical	5
ET 1XXX Lower Division Technical	5
Transfer Subtotal	39

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Engineering Technology

Engineering technologists (ET) create the objects we depend on, from smartphones to suspension bridges and everything in between. While traditional engineers work mainly in the conceptual stage of product development, ET graduates are hands-on, building and implementing new technologies in testing labs and in the field. They can apply their abilities in using technical equipment, selling technical products, serving as manufacturers' technical representatives, supervising construction projects and manufacturing processes, and more. A degree in engineering technology will give you marketable skills in this practical, applied science.

AGRADE Program

AGRADE is Wayne State University's Accelerated Graduate Enrollment program. It is designed to provide our top students with a jump-start on graduate school. Students, in conjunction with their undergraduate and graduate advisors, develop a plan of work that counts up to 16 credits

Michigan Transfer Agreement (MTA)	30
Additional WSU Requirements	11
Welding Technology degree requirements	39
Total Transferable Credits from WCCCD	80

WSU Degree Requirements	57
Total BS Degree Requirements (min 120)	137

MSET Degree 20
Accelerated Graduate Enrollment (AGRADE)
Eligible student with cumulative GPA of 3.4 or above can apply up to 16 credits to the Master of Science in Engineering Technology (MSET).

Total BS and MSET Degrees	157
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Bachelor of Science (BS) in Welding and Metallurgical Engineering Technology Requirements

Major Cores

MIT 3500 Machine Tool Lab	1
EET 2000 Electrical Principles	3
ET 3030 Statics	3
ET 3430 Appl Diff & Integr Calculus	4
ET 3850 Engineering Statistics	3
ET 3870 Engineering Economic Analysis	3
MCT 3100 Mechanics of Materials	3
ME 3452 Physical Metallurgy LL	4
ME 4451 Mechanical Metallurgy LL	4
ME 4453 Advanced Welding Metallurgy LL	3
WMT 3200 Thermodynamics of W&M	4
WWT 4400 Engineering Alloys	3
WMT 4300 Welding Design LL	3
*WMT 5800 Welding Automation and Robotics	3
*ET 5870 Engineering Project Management	3
ET 4999 Senior Project	3
<u>Upper Division Elective</u>	
WMT 4500 Failure Fracture	3
*ME 5995 Additive Manufacturing	4
Subtotal	57

*can be used toward MSET degree (must see WSU advisor)

Tentative Plan of Study - Full-time, Four Semesters

Semester 1 (13 credits) – spring/summer

EET 2000 Electrical Principles	3
ET 3430 Applied Calculus	4
ET 3850 Prob. and Eng. Statistics	3
ET 3870 Engineering Economic	3

Semester 2 (15 credits) - fall

ET 3030 Statics	3
ME 3452 Physical Metallurgy	4
ME 4451 Mechanical Metallurgy	4
WMT 3200 Thermodynamics	4

Semester 3 (14 credits) - winter

MCT 3100 Mechanics of Materials	3
ME 4453 Advanced Welding	3
ME 5995 Additive Manufacturing	4
WMT 4400 Engineering Alloys	3
MIT 3500 Machine Tool Lab	1

Semester 4 (15 credits) -fall

WMT 4300 Welding Design LL	3
WMT 4500 Failure Fracture	3
WMT 5800 Welding Auto& Robotics	3
ET 4999 Senior Project	3
ET 5870 Engineering Project Mgt.	3