



WAUKESHA
COUNTY TECHNICAL
COLLEGE



MARQUETTE
UNIVERSITY

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Undergraduate Credit Articulation Agreement Waukesha County Technical College And Marquette University

Waukesha County Technical College (WCTC) and Marquette University (MU) agree to a cooperative relationship through this agreement to better serve students and facilitate the transfer process. This agreement provides a structure through which students at WCTC can transfer their coursework to MU for completion of a bachelor's degree.

1. Academic Requirements

- a. Students must have received a high school diploma or equivalent and complete the outlined WCTC coursework attached in the appendix.
- b. Completion of the attached coursework is not a guarantee of admission. Admission to MU is holistic, considering all aspects of the student's academic and non-academic history. Students maintaining a cumulative grade point average of 3.0 on a 4.0 scale and having earned a C or better in all coursework taken at WCTC are the best candidates for admission.
- c. Students are encouraged to enroll in their MU degree program within three years of initial enrollment in the agreement. Ideally, students will enroll in the agreement during their first semester at WCTC.
- d. International students must demonstrate English language proficiency as part of the final admission process. Examples of accepted evidence are found in the Marquette international admissions process at <https://www.marquette.edu/oie/prospective-students/application-materials.php>.

2. Admission Requirements

- a. Students must authorize WCTC and MU to disclose their educational records, including but not limited to, transcripts, admission, and advising information as appropriate. Students agree to allow the two institutions to share information and to allow the student to reverse transfer credits. Students may also receive communication from MU informing them of presentations, workshops, activities, student events, and visits.
- b. Students must be in good academic and disciplinary standing at WCTC at the time of transfer. Students must adhere to each institution's standard policies and procedures including but not limited to those dealing with admission, enrollment in courses, transfer credits, financial aid, student conduct and discipline, academic probation, dismissal, and reentry.



- c. MU will provide academic advisement to students to discuss admission, program requirements, and transfer credit policies. The attached curriculum guide lists the transfer level a student would be placed into upon transfer. The transfer level identifies the MU Core Curriculum courses that are not satisfied by transfer credit and need to be completed at MU.
- d. This agreement applies to MU programs listed in the Appendix. Note, not all undergraduate programs have an articulation option. Students interested in a MU program not listed in the Appendix should follow general transfer admission instructions.
- e. Courses accepted for transfer credit must follow Marquette University's Transfer Course/Credit Policy as stated in the Undergraduate Bulletin.
<https://bulletin.marquette.edu/undergrad/>
- f. Students may also qualify for MU scholarships, including transfer specific scholarships viewable at <https://www.marquette.edu/explore/transfer-students-scholarships.php>.

3. Other Terms

- a. All students participating in the agreement must apply to MU using the Common Application or the MU Admission Application by the application deadline for the desired entry term.
- b. Failure to meet the requirements above does not preclude the student from applying and being considered for admission to MU using the traditional admission process.
- c. WCTC and MU will publish a version of this document and related forms on its website, so that the details of this agreement are available to students interested in participating in the program. MU and WCTC will each have the right to review and approve all advertising for the agreement.



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- d. This agreement is effective for three years from the latest date on which this Agreement is signed, with curricular updates made, if necessary, on an annual basis. Any proposed changes to the agreement will be reviewed and agreed to collaboratively by WCTC and MU.
- e. Should this articulation agreement be dissolved, students who have not yet secured an offer of admission to MU will be considered for admission according to regular university transfer policy and deadlines.

4. Requirements at Marquette University

- a. Students must maintain good academic and university standing as described in the bulletin <https://bulletin.marquette.edu/undergrad/academicregulations/>.
- b. Students must satisfactorily earn a minimum of 45 of the total credits for the degree with MU coursework and fulfil all degree requirements as specified in the bulletin <https://bulletin.marquette.edu/undergrad/academicregulations/#spangraduationspan>.
- c. MU reserves the right to discontinue majors and courses. Should a major or course be eliminated, students who are matriculated at MU at time of discontinuation will be provided the opportunity to finish the program for which they have enrolled under this articulation agreement, providing they are continuously enrolled in the academic program.



Waukesha County Technical College

Marquette University

DocuSigned by:

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Dr. Brad Piazza, VP of Academic Affairs Date

 4-27-23

Dr. Kimo Ah Yun, Provost Date



Digitally signed
by Lauren Orton
Date: 2023.04.27
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Appendix I: Electrical Engineering
Appendix II: Mechanical Engineering



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Appendix I

Undergraduate Articulation Credit Agreement
Waukesha County Technical College
Associate of Applied Science – Electrical Engineering Technology
And
Marquette University
Bachelor of Science – Electrical Engineering

WCTC			Marquette		
Course Num	Course Name	Credits	Course Num	Course Name	Credits
605-118	Digital Electronics I	2	EECE 2030	Digital Electronics	3 ¹
662-102	DC Circuit Analysis	4	ECCE 9290	Lower Division Elective Credit	1
663-106	Electronic Fabrication I	1	EECE 2010	Electric Circuits I	3
662-104	AC Circuit Analysis	4	EECE 2015	Circuits Lab I	1
804-198	Calculus I	4	EECE 9290	Lower Division EECE Elective Credit	1 ²
662-190	Electronic Circuits I	4	ELEN 2020	Electric Circuits II	3
801-196	Oral/Interpersonal Comm	3	EECE 2035	Circuits Lab II	1
804-156	Calculus II	4	MATH 1450	Calculus I	4
605-119	Digital Electronics II	2	EECE 3010	Electronic Devices and Applications	3
801-136	English Composition I	3	EECE 9290	Lower Division Elective Credit	1
663-104	Programming for Electronics	1	CMST 1300	Public Speaking	3
662-191	Electronic Circuits II	4	MATH 1451	Calculus II	4
806-187	Calculus Based Physics I	3	EECE 2030	Digital Electronics	0 ¹
			ENGL 1001	Rhetoric and Composition I	3
			EECE 9290	Lower Division EECE Elective Credit	1 ³
			ELEN 3030	Analog Electronics	3
			ELEN 9290	Lower Division Elective Credit	1
			PHYS 1003	General Physics with Introductory Calculus I	3 ⁴

¹ Both 605-118 & 605-119 must be successfully completed at WCTC for EECE 2030 at MU credit to be awarded

² Students must submit a Curriculum Substitution Request to allow this course to count for EECE 1953

³ Students must submit a Curriculum Substitution Request to allow this course to count for EECE 1954

⁴ Student must enroll in the PHYS 1020 (1 credit) Laboratory – only courses at MU to make up credit deficiency in PHYS 1003. MU College of Engineering degree requirement is PHYS 1003 (4 credits).



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Appendix II

Undergraduate Articulation Credit Agreement
Waukesha County Technical College
Associate of Applied Science – Mechanical Engineering Technology
And
Marquette University
Bachelor of Science – Mechanical Engineering

WCTC		
Course Num	Course Name	Credits
420-160	Manufacturing Processes – Cold	2
606-115	Technical Drafting/CAD	4
606-117	Computer Programming Engineers	3
606-186	3D/Parametric Design	3
804-198	Calculus I	4
809-195	Economics	3
606-121	Technical Statics	4
804-156	Calculus II	4
606-114	GD&T	3
606-123	Solid Mechanics	3
606-162	Manufacturing Process – Hot	2
801-136	English Composition I	3
606-135	Engineering Design Projects I	2
806-187	Calculus Based Physics I	3
606-137	Measurement/ Experimentation	3
606-170	Kinematics	3
801-196	Oral/Interpersonal Comm	3
606-116	Machine Design Elements	3
606-145	Engineering Design Projects II	2
606-169	Dynamics	3

Marquette		
Course Num	Course Name	Credits
MEEN 3443	Manufacturing Engineering	3 ⁵
GEEN 1120	Introduction to Engineering Graphics	4
GEEN 1130	Introduction to Engineering Computing	3
NONE 9201	No Marquette Equivalency or Award	0
MATH 1450	Calculus I	4
ECON 1001	Introduction to Economics	3
GEEN 2110	Statics	3
GEEN 9292	Lower Division Transfer Credit	1
MATH 1455	Calculus II for Biomedical and Civil Engineers	4
MEEN 9290	Lower Division Transfer Credit	3
GEEN 2130	Mechanics of Materials	3
MEEN 3443	Manufacturing Engineering	0 ⁵
ENGL 1001	Rhetoric and Composition I	3
NONE 9201	No Marquette Equivalency or Award	0
PHYS 1003	General Physics with Introductory Calculus I	3 ⁴
MEEN 9290	Lower Division Transfer Credit	3
MEEN 3220	Dynamics of Mechanical Systems	3
CMST 1300	Public Speaking	3
MEEN 3250	Design of Machine Elements I	3
NONE 9201	No Marquette Equivalency or Award	0
GEEN 2120	Dynamics	3

⁵ Both 420-160 & 606-162 must be successfully completed at WCTC for MEEN 3443 at MU credit to be awarded



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Course Num	Course Name	Credits
605-182	Microcontrollers	3
809-199	Psychology of Human Relations	3
605-126	Industrial Systems	3
605-187	Electronic Data Communications	3
605-148	Data Acquisition	3
662-108	Linear Circuit Analysis	3
809-196	Intro to Sociology	3
Total Credits		60

Course Num	Course Name	Credits
EECE 3015	Digital Electronics Lab	2
EECE 9290	Lower Division Elective Credit	1
PSYC 9290	Lower Division Psychology Elective	3
NONE 9201	No Marquette Equivalency or Award	0
EECE 9290	Lower Division transfer Credit, may count as ELEN technical elective	3
ELEN 3025	Electrical Instrumentation Laboratory	2
ELEN 9290	Lower Division Elective Credit	1
NONE 9201	No Marquette Equivalency or Award	0
SOCI 1001	Principles of Sociology	3
Total Credits		54

Credit

Awarded:

MCC Notes:

54 total transferrable credits

Transfer level 3

MCC courses still needed: PHIL 1001, THEO 1001, CORE 1929, CORE 4929



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Course Num	Course Name	Credits
606-189	Finite Elem Analysis/Engineers	3
809-199	Psychology of Human Relations	3
Total Credits		66



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Course Num	Course Name	Credits
MEEN 4265	Intermediate Finite Element Methods	3
PSYC 9290	Lower Division Psychology Elective	3
Total Credits		58

Credit

Awarded: 58 total transferable credits

MCC Notes: Transfer level 3

MCC courses still needed: PHIL 1001,
THEO 1001, CORE 1929, CORE 4929