

Transfer Agreement

Gateway Technical College
Associate of Applied Science Degree
Electrical Engineering Technology
And
University of Wisconsin – Milwaukee
Bachelor of Science in Electrical Engineering

Program to Program Articulation Agreement

Effective Fall 2017

This transfer agreement is entered into by Gateway Technical College (Gateway) and the University of Wisconsin – Milwaukee (UWM) in order to better facilitate the direct admission of students who successfully complete the Associate of Applied Science Degree in Electrical Engineering Technology (AAS) to the Bachelor of Science Degree in Electrical Engineering (BSE) at UWM. The parties in this cooperative agreement will make known as early as possible, and at the latest by July 1st of each year, any desire to terminate or revise this agreement. In the event of a termination, for any reason by either party, the students presently enrolled will be permitted to complete the curriculum.

UWM agrees to admit to the Bachelor of Science in Electrical Engineering program Gateway students who have met the following criteria:

- a. Successful completion of the Associate of Applied Science in Electrical Engineering Technology program at Gateway in Fall 2017 or later.
- b. Successful completion of the courses specified in this agreement at Gateway.
- c. Minimum cumulative GPA of 3.0 on all transferable courses.
- d. Minimum grade of C in each course, and

Course equivalencies specified in this articulation agreement are subject to change in the event that the course curricula of either institution undergo revision.

Elective courses taken at Gateway will be reviewed on a case-by-case basis to determine how they might apply to the BSE degree at UWM.

If requests are made for course substitutions or credits are transferred from another institution, they will be reviewed on a case-by-case basis to determine how they might apply to the AAS degree at Gateway or the BSE at UWM

Program-to-Program transfer courses/credits are accepted only for the program/degree specified in this agreement. A change of major/degree/program invalidates these courses/credits for transfer unless they are approved within other Program-to-Program Articulation Agreement for a different major/degree/program at UWM.

UWM will accept up to 36 credits towards the Electrical Engineering program requirements. The following tables list the AAS EET requirements and how the courses will transfer to the BSE program at UWM.

GATEWAY ELECTRICAL ENGINEERING TECHNOLOGY AAS REQUIREMENTS

Block 1: General Education

Gateway (12 credits)	UWM (9 credits)
809-198 Introduction to Psychology (3 c) 809-195 Economics (3 c) 809-196 Introduction to Sociology (3 c) 801-198 Speech (3 c)	PSYCH 101 Introduction to Psychology SS (3 c) ECON 100 Introductory Economics SS (3 c) SOCIOLOGY 101 Introduction to Sociology SS (3 c) COMMUN 103 Public Speaking HU (3 c) (UWM only requires 6 credits of Social Science SS)

Block 2: Mathematics

Gateway (12 credits)	UWM (12 credits)
804-198 Calculus I (4 c) 804-181 Calculus 2 (4 c) 804--182 Calculus 3 (4 c)	MATH 231 Calculus and Analytic Geometry I (4 c) MATH 232 Calculus and Analytic Geometry II (4 c) MATH 233 Calculus and Analytic Geometry III (4 c)

Block 3: Electrical Engineering

Gateway (28 credits)	UWM (12 credits)
605-113 DC/AC I (3 c) 605-114 DC/AC II (3 c) 605-120 Electronic Devices I (4 c) 605-121 Electronic Devices II (4 c) 605-130 Digital Electronics (4 c) 605-190 Microprocessors (4 c) 662-112 DC/AC III (3 c) 662-124 Electronic Circuit Analysis (3 c)	ELECENG 101 Fund. of Electrical Engineering (3 c) ELECENG 301 Electrical Circuits I (3 c) ELECENG 354 Digital Logic (3 c) ELECENG X Elective (3 c) (Group B Elective)

Block 4: UWM Prerequisite or Free Elective Courses

Gateway (19 credits)	UWM (19 credits)
801-136 English Composition 1 (3 c) 801-197 Technical Reporting (3 c) 804-115 College Technical Math 1 (5 c) 804-197 College Algebra & Trig w Apps (5 c) 806-143 College Physics 1 (3 c)	ENGLISH 101 Introduction to College Writing (3 c) ENGLISH X Elective (3 c) MATH X Elective (5 c) MATH 116 College Algebra and MATH 117 Trig (5 c) PHYSICS X Elective (3 c) (Electrical Eng only requires 3 credits of Free electives)

Gateway students may transfer additional credit to UWM (see <https://www.wisconsin.edu/transfer/wizards/>) that would not apply to the Electrical Engineering degree program. See a UWM advisor for details.

Students are required to complete all UWM degree requirements. The following table indicates the requirements and whether they are satisfied by work completed at Gateway or will be completed after the student transfers to UWM.

UWM ELECTRICAL ENGINEERING BSE REQUIREMENTS			
Course/Credits required to earn the UWM Degree	Credits	Fulfilled by Gateway AAS Degree (X = yes, blank = no)	Still to be completed at UWM (X = yes, blank = no)
General Education Requirements			
Arts	3		X
Humanities	3	X	
Social Sciences	6	X	
ENGLISH 310 Writing, Speaking & Technoscience	3		X
Free Electives	3	X	
Cultural Diversity			X
English Composition Competency Requirement			X
Natural Science Requirements			
CHEM 102 General Chemistry	5		X
PHYSICS 209 Physics I	4		X
PHYSICS 214 Lab Physics I	1		X
PHYSICS 210 Physics I	4		X
PHYSICS 215 Lab Physics II	1		X
Mathematics Requirements			
MATH 231 Calculus and Analytic Geometry	4	X	
MATH 232 Calculus and Analytic Geometry	4	X	
MATH 233 Calculus and Analytic Geometry	4	X	
ELECENG 234 Analytical Methods in Engineering	4		X
Engineering Core Requirements			
COMPSCI 240 Intro Engineering Programming	3		X
EAS 200 Professional Seminar	1		X
MATLENG 201 Basic Engineering Materials	4		X
MECHENG 301 Basic Engineering Thermodynamics	3		X
Electrical Engineering Major Requirements			
ELECENG 101 Fundamentals of Electrical Engineering	3	X	
ELECENG 301 Electrical Circuits I	3	X	
ELECENG 305 Electrical Circuits II	4		X
ELECENG 310 Signals and Systems	3		X
ELECENG 330 Electronics I	4		X
ELECENG 335 Electronics II	4		X
ELECENG 354 Digital Logic	3	X	
ELECENG 361 Electromagnetic Fields	3		X
ELECENG 362 Electromechanical Energy Conversion	4		X
ELECENG 367 Introduction to Microprocessors	4		X
ELECENG 420 Random Signals and Systems	3		X
ELECENG 595 Capstone Design Project	4		X
Electrical Engineering Technical Electives – 24 Credits			
Technical Electives	21		X
Group B Electives	3	X	
Total Credits - Electrical Engineering Major	126	36	90

PROVISIONS OF THIS AGREEMENT:

1. **Admission.** It is the learner's responsibility to demonstrate fulfillment of the current admission requirements of UWM at the time of entry.
2. **Advising.** UWM and Gateway will provide academic advising to Gateway learners inquiring about UWM programs. Learners will be connected with a UWM advisor prior to transfer. UWM and Gateway will share materials, catalogs, and other information to facilitate their understanding of requirements and programs. Gateway will assist UWM in arranging recruitment events on its campuses.
3. **Marketing.** Any marketing of this agreement will be subject to the prior approval of both parties and will adhere to each institution's standards for the use of its name and logo. Each institution will assume responsibility for appropriate marketing to reach its student population. Each institution may provide a link to this agreement and/or the other institution at its website, with notice to the other party.
4. **Accreditation.** Both parties agree that failure to maintain regional accreditation will be grounds for termination of the agreement. Failure to maintain accreditation required by the specific academic program(s) referenced in this agreement will be grounds for exclusion of that program from the agreement.
5. **Tracking of Use.** Gateway desires to track the use of articulation agreements by our students. If possible, UWM will send Gateway the total number of credits transferred from Gateway annually or other data that can be conveniently produced.
6. **Periodic Review.** Gateway reviews its articulation agreements on a three-year cycle or earlier if curricular or institutional policy changes warrant. Each institution agrees to notify the other of significant curricular or policy changes in a timely manner.

OFFICIAL CONTACT PERSONS:

For Gateway

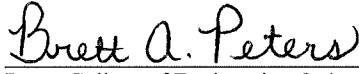
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For UWM

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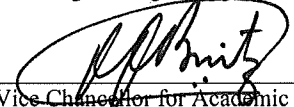
IN WITNESS WHEREOF the parties hereto have executed two copies of this instrument, each of which shall be considered an original.

UNIVERSITY OF WISCONSIN – MILWAUKEE



Dean, College of Engineering & Applied Science

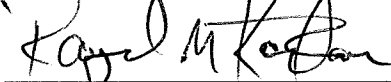
08/30/2017
Date



Provost and Vice Chancellor for Academic Affairs

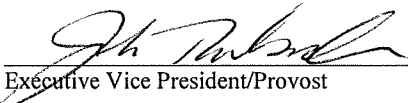
10/10/2017
Date

GATEWAY TECHNICAL COLLEGE



Dean, Manufacturing, Engineering and Transportation

8/10/17
Date



Executive Vice President/Provost

8/2/17
Date

