



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		
Course Num	Course Name	Credits
605-118	Digital Electronics I	2
663-106	Electronic Fabrication	1
663-104	Programming for Electronics	1
662-102	DC Circuit Analysis	4
801-136	English Composition I	3
804-198	Calculus I	4
809-196	Intro to Sociology	3
Total Semester Credits		18
Second Semester		
Course Num	Course Name	Credits
605-119	Digital Electronics II	2
662-104	AC Circuit Analysis	4
662-190	Electronic Circuits I	4
804-156	Calculus II	4
806-187	Calculus Based Physics I	3
Total Semester Credits		17

Marquette		
Course Num	Course Name	Credits
EECE 2030	Digital Electronics	3 ¹
EECE 9290	Lower Division EECE Elective Credit	1 ²
EECE 9290	Lower Division EECE Elective Credit	1 ³
EECE 2010	Electric Circuits I	3
EECE 2015	Circuits Lab I	1
ENGL 1001	Rhetoric and Composition I	3
MATH 1450	Calculus I	4
SOCI 1001	Principles of Sociology	3
		19
EECE 2030	Digital Electronics	0 ¹
ELEN 2020	Electric Circuits II	3
EECE 2035	Circuits Lab II	1
EECE 3010	Electronic Devices and Applications	3
MATH 1455	Calculus II for Biomedical and Civil Engineers	4 ⁴
PHYS 1003	General Physics with Introductory Calculus I	3 ⁵
		14

¹ Both 605-118 & 605-119 must be successfully completed at Waukesha County Technical College for EECE 2030 at Marquette University 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 Students must submit a Curriculum Substitution Request to allow MATH 1455 to count for MATH 1451

⁵ Student Must enroll in two PHYS 1020 (1 credit) Laboratory – only courses at Marquette University to make up credit deficiency in PHYS 1003 and PHYS 1004. Marquette University College of Engineering degree requirement is PHYS 1003 (4 credits) and PHYS 1004 (4 credits)



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Third Semester		
Course Num	Course Name	Credits
605-126	Industrial Systems	3
605-182	Microcontrollers	3
662-191	Electronic Circuits II	4
804-167	Calculus III	4
806-188	Calculus Based Physics II	3
Total Semester Credits		17
Fourth Semester		
Course Num	Course Name	Credits
605-148	Data Acquisition	3
605-187	Electronic Data Communications	3
662-108	Linear Circuit Analysis	3
801-196	Oral/Interpersonal Comm	3
809-195	Economics	3
809-199	Psychology of Human Relations	3
Total Semester Credits		18

GEEN 1200	Engineering Discovery 1	3
EECE 3015	Digital Electronics Lab	2
ELEN 3030	Analog Electronics	3
MATH 2450	Calculus III	4
PHYS 1004	General Physics with Introductory Calculus II	3 ⁵
		15
ELEN 3025	Electrical Instrumentation Laboratory	2
EECE 9390	Upper Division transfer Credit, may count as ELEN technical elective	3
NONE 9201	No Marquette Equivalency or Award	0
CMST 1300	Public Speaking	3
ECON 1001	Introduction to Economics; Curriculum Substitution to allow to count for GEEN 1210 3 credits	3
PSYC 9290	Lower Division Psychology Elective	3
		14

Credit

Awarded:

MCC Notes:

62 total transferrable credits

Transfer level 3

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