EXHIBIT A - Articulation Guide
Henry Ford College
Electrical/Computer Associate in Applied Science
University of Michigan - Dearborn
Bachelor of Science in Engineering in Computer Engineering
Effective: April 1, 2023 to March 31, 2028

RECOMMENDED COURSES BY MAJOR

Students need not complete all recommended coursework prior to transfer.

Henry Ford College Electrical/Computer Associate in Applied Science degree and the University of Michigan Dearborn Bachelor of Science in Engineering in Computer Engineering

Requirement Description	HFC Course / Title	UMD Equivalent	Meets DDC	UMD Major Requirement
GENERAL EDUCATION (29-30 credits)				
MTA ENGLISH COMP/COMMUNICATIONS (6 credits)	ENG 131: Introduction to College Writing ENG 135: Business and Technical Writing	COMP 105 COMP 270	√ √	√ √
MTA SOCIAL SCIENCE (6 credits)	BEC 151 or 152 Behavioral and Social Sciences Course	ECON 201 or ECON 202 Behavioral and Social Sciences Course	√ √	√ √
MTA HUMANITIES & FINE ARTS (6 credits)	Humanities and Arts Course Humanities and Arts Course	Humanities and Arts Course Humanities and Arts Course	√ √	√ √
MTA MATHEMATICS (3-4 credits)	MATH 180: Calculus I	MATH 115	√	√
MTA NATURAL SCIENCES (7-8 credits, course with lab)	CHEM 141: Prin of Gen & Inorganic Chem I PHYS 231: Engineering Physics I	CHEM 134 PHYS 150	√ √	√ √
Total MTA Credits		33		
COLLEGE DEGREE REQUIREMENT				
REQUIRED COURSES	MATH 183: Calculus II MATH 275: Discrete Math MATH 280: Calculus III MATH 288: Diff Eq + Linear	Math 116 ECE 276/MATH 275 Math 215 Math 228		√ √ √ √
REQUIRED COURSES	PHYS 232: Engineering Physics II	PHYS 152		√
REQUIRED COURSES	ENGR 130: Intro to Engr. and ENGR 125: Intro to Computation for Engr. ENGR 240: Circuts ENGR 232: Statics and ENGR 235: Mechanics of Materials	ENGR 100 ECE 210 ME 260		√ √ √
Total Degree Credits		36		
Total Associates Degree Credits		69		

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COURSES TO BE TAKEN AT UMD

Requirement Description	UMD Course / Title	Credit Hours	Meets DDC	UMD Major Requirement
GENERAL EDUCATION REQUIREMENT*				
INTERSECTIONS	Take ONE Intersections DDC Courses	3	√	
	Total General Education Requirement	3		
MAJOR COURSES	ECE 270 Computer Methods	4		
	ECE 273 Digital Systems	4		
	ECE 311 Electronics	4		
	ECE 3731 Microprocessors	4		
	ECE 370 Adv. Software tech	4		
	IMSE 317 Engr. Prob and Stat	3		
	ECE 375 Comp Arch	4		
	ECE 473 Embedded Systems	4		
	ECE 471 Comp Networks	4		√
	ECE 4982 Senior Design 1	2		
	ECE 475 Comp Hardware ORg	4		
	ECE 478 Operating Systems	4		
	ENT 400 Entrepreneurship	3		
	ECE 4984 Senior Design 2	2		
	Professional Elective	4		
	Professional Elective	4		
	Technical Elective	3		
	Total Major Requirement	61		
	Totall Credits to be Taken at UMD	64 Credits		