COMPUTER ENGINEERIN
EMBEDDED & IOT FOCUS

2025 - 2026 Bulletin
MINNESOTA STATE UNIVERSITY, MANKATO

This information is true and accurate to the best of my knowledge
Student Signature _____

Year Taken	Freshman (FALL)	Grade	Year Taken	Freshman (SPRING)	Grade
_____	MATH 121 Calculus I (4)	_____	_____	MATH 122 Calculus II (4)	_____
_____	ENG 101 Composition (4)	_____	_____	PHYS 221 General Physics I (4)	_____
_____	EE 105 Intro to ECET (1)	_____	_____	EE 298 Topics: Embedded Data Structure (3)	_____
_____	EE 107 Intro to EE & CE II (3)	_____	_____	EE 106 Intro to Digital Logic (3)	_____
_____	CHEM 191 Chemistry App (3)	_____			

Year Taken	Sophomore (FALL)	Grade	Year Taken	Sophomore (SPRING)	Grade
_____	PHYS 222 General Physics II (3)	_____	_____	Math 247 Linear Algebra (4)	_____
_____	ME 213 Stats & Dynam EE (3)	_____	_____	EE 231 Circuit Analysis II (3)	_____
_____	MATH 321 Ord Diff Eq (4)	_____	_____	EE 234 Micro. Engineering I (3)	_____
_____	EE 230 Circuit Analysis I (3)	_____	_____	COMM 102 Public Speaking (3)	_____
_____	EE 240 Evaluation of Circuits (1)	_____	_____	MATH 280 Discrete Math for CS (4)	_____
_____	EE 281 Digital Systems & Test(3)	_____			
_____	EE 282 Digital Syst/Test Lab (1)	_____			

Year Taken	Junior (FALL)	Grade	Year Taken	Junior (SPRING)	Grade
_____	EE 332 Electronics I (3)	_____	_____	*EE 390 Smart Sensor System (4)	_____
_____	EE 334 Micro Eng. II (3)	_____	_____	EE 358 Control Systems (3)	_____
_____	EE 344 Micro II Lab (1)	_____	_____	EE 245 Robot Program Algorithm (3)	_____
_____	MATH 354 Concepts of Prob/Stats (4)	_____	_____	EE 353 Comm Systems Eng (3)	_____
_____	EE 341 Signals & Systems (3)	_____	_____	EE 498 Topics: Heterogeneous O/S (3)	_____
_____	EE 395 Comp HW and Org (3)	_____	_____		_____

Year Taken	Senior (FALL)	Grade	Year Taken	Senior (SPRING)	Grade
_____	EE 467W Prin Engr Design III (2)	_____			
_____	EE 450 Engr Economics (3)	_____	_____	EE 477W Prin Engr Design IV (2)	
_____	Major Elective (3)	_____	_____	EE 490 Engineer. App. of AI & ML (3)	_____
_____	General Education Course (3)	_____	_____	Major Elective (3)	_____
_____	General Education Course (3)	_____	_____	General Education Course (3)	_____
_____	ECON 201 OR 202 (3)	_____	_____	General Education Course (3)	_____

- Refer to Degree Audit Report for available major elective courses.
- Students must have a core and a related area cultural diversity course, i.e. (1-purple and 1-gold) or (2-purple) courses.
- All courses in the Major must be completed with a C- or better to be counted toward graduation. All others completed with C or better. Must complete minimum of 20 semester hours of upper division EE courses and senior design at MSU. Must have GPA of 2.25 or better on upper level EE coursework. Must have a GPA of 2.5 for all science, math and engineering courses. Must complete the Fundamentals of Engineering (FE) exam and achieved the desired competency level.

Choose at least 12 credits General Education courses to cover Goal Areas 5, 6, 7, 8, 9, 10, diverse cultures and writing intensive requirements. A recommended list is ETHN 100 (Goal Area 5, 7, Purple), ART 160 (Goal Area 6, 8, Purple), PHIL120W (Goal Area 6, 9, writing intensive) and a course in Goal Area 10.