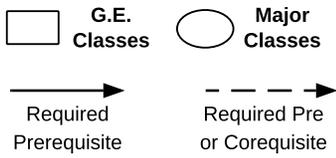
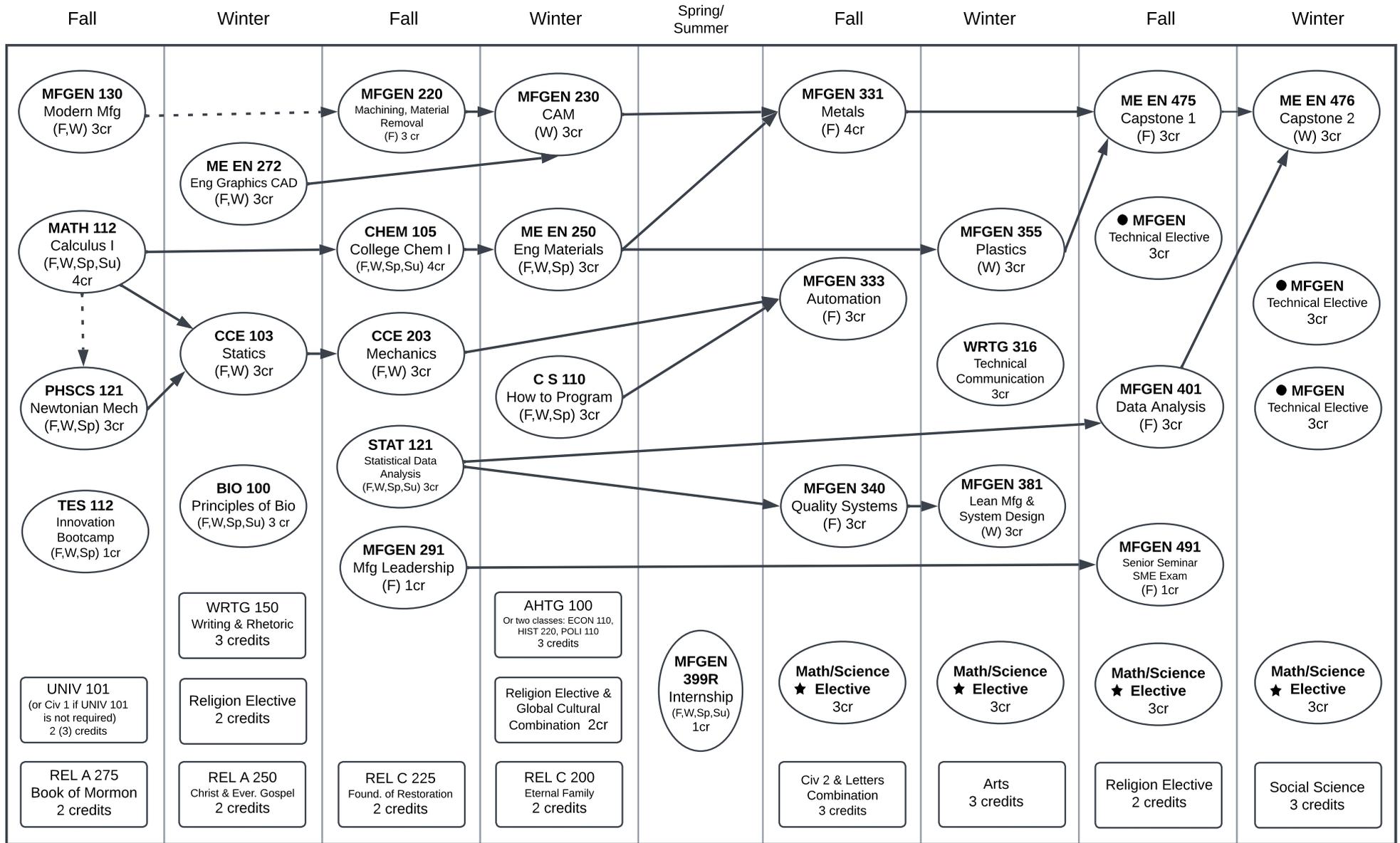


Please note This flowchart is not a contract. For your contract information please see the catalog.

MFGEN 2025-2026

Major Code:
396541

Please refer to the flow chart year that corresponds with when you joined the MFGEN major



Total Credit Hours: 125

Notes:
 (F) - Offered Fall only
 (W) - Offered Winter Only
 (Sp) - Spring term
 (Su) - Summer term

★ Approved Math/Science Electives		
CHEM 106	MATH 113	STAT 230
CHEM 351	MATH 213	STAT 240
CHEM 357	MATH 215	STAT 330
	MATH 334	STAT 466
PHSCS 123		STAT 511
		STAT 512

● MFGEN Technical Electives	
Fall:	Winter:
MFGEN 431 - Tool Design	MFGEN 318 - Electronics
MFGEN 456 - Intro to Composites	MFGEN 433 - Intro to Smart Mfg
MFGEN 481 - Mfg Systems & Simulation	MFGEN 440 - Six Sigma
	MFGEN 435 - Instrumentation of mfg

Tech Electives & Math Science Electives

Other courses may be approved by petition. Math/Science electives must be from CHEM, PHYSC, MATH and STATS categories.

Also, courses must meet the following requirements to be eligible for consideration as an MFGEN Technical or Maht/Science elective:

- Course content is applicable to the manufacturing industry and consistent with ABET standards:
 - (a) materials and manufacturing processes: design of manufacturing processes that result in products that meet specific material and other requirements;
 - (b) processes, assembly and product engineering: equipment, tooling, and environment necessary for their manufacture;
 - (c) manufacturing competitiveness: creation of competitive advantage through manufacturing planning strategy, quality, and control;
 - (d) manufacturing systems design: analyze, synthesize, and control manufacturing operations using statistical methods; and
 - (e) manufacturing laboratory or facility experience: measurement of manufacturing process variables and development of technical and inferences about the process.

MFGEN 399R Internship

This class can be added after the add/drop deadline until the discontinuance deadline. Please see your Academic Advisor for information on the Internship registration process.

Common Equivalents

substitutions do not happen automatically. Please see advisement office.

CCE 103	ME EN 101
STAT 201	STAT 121
BIO 100	PWS 150, PDBIO 120, PDBIO 205, MMBIO 221
CHEM 105	CHEM 111