

SUNY Canton Mechanical Engineering Technology (MET) – A.A.S (493)			Fall 2024
1 st Semester		Credit	
MATH 123	Pre-Calculus	4	
MECH 121	Manufacturing Processes I	3	
ENGS 101	Introduction to Engineering	2	
PHYS 121/131	College/University Physics I	3	
PHYS 125/135	Physics Lab 1	1	
MECH 101	Drawing for Engineers	1	
		14	
2 nd Semester			
MATH 161	Calculus I	4	
ENGL 101	Composition & The Spoken Word	3	
PHYS 122/132	College/University Physics II	3	
PHYS 126/136	Physics Lab 2	1	
MECH 102	Parametric Modeling	2	
MECH 122	Introduction to 3D Printing	1	
	Elective ¹	2	
		16	
3 rd Semester			
	Elective ¹	3	
ENGS 201	Statics	3	
MECH 261	MET Electricity	4	
MECH 241 / ENGS 314	Fluid Mechanics / Fluid Mechanics I	3	
MECH 242	Fluid Power Lab	1	
	GER (6, 7, 8, 9, 10, 11) ³	3	
		17	
4 th Semester			
ENGS 203	Engineering Strength of Materials	3	
ENGS 205	Material Science	3	
MECH 221	MET Lab ²	1	
	Elective ¹	3	
MECH 303	GD&T (Geometric Dimensioning and Tolerancing)	2	
	Diversity Elective	3	
		15	

NOTES:

- 1 Program electives selected from ACHP, AREA, ENGS, CITA, CONS, ELEC, MATH, MECH, SOET designators and AUTO 104. If going into the 4-yr MET, take MATH 162 (Calculus II) and MECH 301/ENGS 202.
- 2 Writing intensive course.
- 3 GER elective – Must have GER (1/2, 3, 4, 5) and 20 total credits. Select one more from 6-11:

GER Elective Course must come from the following list:

GER 1 Communication (Written) GER 4 Mathematics GER 7 Social Science GER 10 World History and Global Awareness
 GER 2 Communication (Oral) GER 5 Natural Science GER 8 Arts GER 11 World Languages
 GER 3 Diversity GER 6 Humanities GER 9 US History and Civic Engagement

Completed OSHA 10 Hr. Safety Course and Certification is on Record: YES/NO

Graduation Requirements: Total Semester Credit Hours – 62 G.P.A. 2.0 min.