SUNY Adirondack
Mechatronics, A.A.S.

Course #	Course Title	SUNY Gen Ed	Subtotals	Credits Granted
Year One-Fall			17	
HRD 100	Career Exploration			1
ENG 101	Intro to College Writing	BCM		3
MAT 108	Mathematical Functions	MAT		3
TEC 101	Intro to Engineering and Technology			3
TEC 103	Electrical Technology Fundamentals			3
TEC 119	Electricity I			4
Year One-Spring			17	
ENG 102		BCM		3
GENED	PHY 107 or 111-Applied or General Physics I	NS		4
CIS 131	Intro to Networking			3
TEC 120	Electricity II			4
TEC 107	Mechanical Technology I			3
Year Two-Fall			15	
GENED	GENED Social Science	GENED		3
TEC 108	Mechanical Technology II			3
TEC 223	Motors and Controls			3
TEC 250	Automation and Controls I			3
TEC 264	Robotics I			3
Year Two-Spring			16*	
TEC 265	Robotics II			3
TEC 266	Hydraulics & Pneumatics			3
GENED	GENED (assumed humanities)	GENED		3
LIB ARTS	Assume GENED (American history)	GENED		3
Elective	*Assume MAT 123 taken as elective	MAT		4*
			Total Credits Eligible for Transfer	**65***

Last Updated: 2/19/2020 SJB

SUNY Adirondack
Mechanical Engineering Technology B.S.

Course #	Equivalent Course Title	SUNY Gen Ed	Subtotals	Credits Accepted
Year One-Fall			8	
Open Elective				0
ENG 101	Freshman Composition	BCM		3
MAT 111	College Mathematics	MAT		3
MTC 101	Introduction to Engineering Technology			2
ETC 000	ETC Elective			0
ETC 101	Fund. Elect. & Comp. Engr. Technology			0
Year One-Spring			13	
BCM 000	Basic Communications Elective	BCM		3
PHY 101	Applied or General Physics I	NS		4
CSC 000	Computer Science Elective			2
ETC 102	Circuits			4
MTC 000	MTC Elective			0
Year Two-Fall			6	
SOC 001	Social Science Elective	GENED		3
MTC 000	MTC Elective			0
MTC 000	**MTC Elective**			3
ETC 000	ETC Elective			0
ETC 000	ETC Elective			0
Year Two-Spring			13	
ETC 000	ETC Elective			0
MTC 000	**MTC Elective**			3
HUM 001	GENED Humanities	GENED		3
AMH 001	Assume GENED American History	GENED		3
MAT 120	*Assume MAT 123 taken as elective	MAT		4
Year Three-Fall/Spring			18+18	
MAT 121	Calculus I for Engineering Technology			4
MTC 162	Autocad			4
MTC 136	Materials			2
MTC 211T/L	Manufacturing Processes Theory & Lab			4
CHE 110	Chemistry			4
MAT 122	Calculus 2 for Engr. Technology			4
MTC 224	Statics & Strength of Materials			4
COM 200	Public Speaking			4
PHY 102	Physics 2			4
MTC 301	Professionalism			2
Year Four-Fall/Spring			18+18	
MAT 230	Differential Equations			4
MTC 226	Mechanical Components			4
MTC 230T/L	Dynamics Theory & Lab			4
MTC 264T/L	Fluid Mechanics Theory and Lab			4
MTC 240	Solid Modeling			2
MTC 342T/L	Computer Aided Manufacturing			4
MTC 3 or 4XX	MTC Elective (Upper)			8
COM 306	Technical Writing			4
MTC 424	Capstone Experience 1			2
Year Five-Fall			16	
MTC 352	Thermodynamics			2
MTC 454T/L	Heat Transfer Theory and Lab			4
MTC 465	Advanced Machine Design			4
MTC 426	Capstone Experience 2			2
GENED	GENED (Arts/FL/WCV or OWC)	GENED		4

Total Transfer Credits Applied to Program	**40**
Total Credits Required after Transfer	**88**
Total Credits Required for Degree	**128**