

Industrial Maintenance Technology Course Curriculum

AAS Associates in Applied Science

62 Credit Hours

Technical Program Requirements ** Online class - must be completed in order to enroll in the second semester. 38 Credit Hours

Course No.	Course Title		Credits
Fall Semester			
IMT 100	OSHA10 **	Cert A & B	1
IMT 110	AC/DC Circuits	Cert A & B	4
IMT 120	Mechanical Systems	Cert A & B	3
IMT 130	Mechanical Systems Reliability	Cert A & B	3
IMT 140	Mechanical Systems II	Cert A & B	3
IMT 150	Fluid Power I	Cert B	3
IMT 160	Fluid Power II	Cert B	3
Fall Semester			
IMT 200	Programmable Logic Controllers (PLC)	Cert B	3
IMT 210	Advanced Sensor Technology	Cert B	3
IMT 220	Introduction to Mechatronics	Cert B	3
IMT 230	Fundamentals of Motor Control	Cert B	3
IMT 240	Variable Speed Motor Control	Cert B	3
IMT 250	Industrial Process Control	Cert B	3

Suggested Technical Electives † Additional Technical Elective options are available; see an advisor 9 Credit Hours

Course No.	Course Title	Credits
ACC 100	Business Accounting	3
BUS 125	Business Communication	3
BUS 111	Personal Finance	3
BUS 126	Introduction to Business	3
BUS 185	Business Ethics and Human Relations	3
BUS 255	Principles of Information Assurance	3

General Education Requirements 15 Credit Hours

Course No.	Course Title	Credits
English		3 Required
COM 105	English Composition I	3
COM 110	Technical Writing	3
Math		3 Required
MAT 109	Technical Mathematics II	3
MAT 111	Contemporary Math or higher	3
Additional General Education Courses		9 Required
Full general education elective list is located online: manhattantech.edu/gened		

Cert. B Certificate B Requirements

45 Credit Hours

Technical Specialty courses marked with " Cert B "		39
COM 105 or COM 110	English Composition 1 or Technical Writing	3
MAT 101	Technical Mathematics I or higher	3