

Georgetown Advanced Technology Center Industrial Maintenance Technology

General Information: An understanding of the requirements and opportunities in maintenance, good safety practices, pride in workmanship, and an understanding of the principles and accepted practices of the maintenance trade are covered in this program. Students are trained to hold positions in factories, hospitals, hotels, etc., where multi-skilled maintenance personnel are needed. Included are courses in electricity, machine tool, welding, equipment maintenance, and other related courses.

Credentials: Certificates Diploma: Industrial Maintenance Technician
 Degree: Associate in Applied Science (AAS)

Program Admission Requirements: In addition to admission to the College, students must meet the following ACT or COMPASS requirements for admission to the program to pursue a diploma or degree.

Diploma: Compass - Algebra 30 Reading 69 Writing 47

Degree: Compass - Algebra 48, Reading 81, Writing 70 or ACT - Composite 18, Math 20, English 18

Suggested Sequence of Courses for Industrial Maintenance Technology AAS 4 semester option 63-72 credit hours

Fall (1 st Semester)			Spring (2 nd Semester)		
Cat. #	Course Title	Credits	Cat. #	Course Title	Credits
IMT 110	Electrical Principles	3	IMT 150	Maintaining Industrial Equipment	3
IMT 111	Electrical Principles Lab	2	IMT 151	Maintaining Industrial Equipment Lab	2
FPX 100	Fluid Power	3	EET 270	Electrical Motor Control 1	2
FPX 101	Fluid Power Lab	2	EET 271	Electrical Motor Control 1 Lab	2
MT 115	Technical Mathematics	3		General Education	3
CIS 100	Introduction to Computers	3		General Education	3
Total Credits: 16			Total Credits: 15		

Fall (3 rd Semester)			(Spring 4 th Semester)		
Cat. #	Course Title	Credits	Cat. #	Course Title	Credits
BRX 120	Basic Blueprint Reading	3	MTT 114	Fundamentals of Machine Tools	7
EET 276	Programmable Logic Controllers	2			
EET 277	Programmable Logic Controllers Lab	2		General Education	3
EET 272	Electrical Motor Control 2	2		General Education Course	3
EET 273	Electrical Motor Control 2 Lab	2	IMT 100	Welding for Maintenance	3
	General Education Course	3	IMT 101	Welding for Maintenance Lab	2
Total Credits: 14			Total Credits: 18		

Suggested Sequence of Courses for Industrial Maintenance Technology AAS 4 semester with summer 1 and summer 2 option 63-72 credit hours

Fall (1st Semester)			Spring (2nd Semester)		
Cat. #	Course Title	Credits	Cat. #	Course Title	Credits
IMT 110	Electrical Principles	3	IMT 150	Maintaining Industrial Equipment	3
IMT 111	Electrical Principles Lab	2	IMT 151	Maintaining Industrial Equipment Lab	2
FPX 100	Fluid Power	3	EET 270	Electrical Motor Control 1	2
FPX 101	Fluid Power Lab	2	EET 271	Electrical Motor Control 1 Lab	2
MT 115	Technical Mathematics	3		General Education	3
CIS 100	Introduction to Computers	3			
Total Credits: 16			Total Credits: 12		

Summer 1					
Cat. #	Course Title	Credits			
	General Education	3			
	General Education	3			
Total Credits: 6					

Fall (3rd Semester)			(Spring 4th Semester)		
Cat. #	Course Title	Credits	Cat. #	Course Title	Credits
BRX 120	Basic Blueprint Reading	3	MTT 114	Fundamentals of Machine Tools	7
EET 276	Programmable Logic Controllers	2	IMT 100	Welding for Maintenance	3
EET 277	Programmable Logic Controllers Lab	2	IMT 101	Welding for Maintenance Lab	2
EET 272	Electrical Motor Control 2	2			
EET 273	Electrical Motor Control 2 Lab	2			
	Elective 1-5 hours				
Total Credits: 12-16			Total Credits: 12		

Summer II		
Cat. #	Course Title	Credits
	General Education	3
	General Education	3
Total Credits: 6		

Industrial Maintenance Technology Diploma

Suggested Sequence of Courses for Industrial Maintenance Technology Diploma 48-60 credit hours

Fall (1 st Semester)			Spring (2 nd Semester)		
Cat. #	Course Title	Credits	Cat. #	Course Title	Credits
IMT 110	Electrical Principles	3	IMT 150	Maintaining Industrial Equipment	3
IMT 111	Electrical Principles Lab	2	IMT 151	Maintaining Industrial Equipment Lab	2
FPX 100	Fluid Power	3	EET 270	Electrical Motor Control 1	2
FPX 101	Fluid Power Lab	2	EET 271	Electrical Motor Control 1 Lab	2
MT 115	Technical Mathematics	3		General Education	3
CIS 100	Introduction to Computers	3			
Total Credits: 16			Total Credits: 12		

Fall (3 rd Semester)			(Spring 4 th Semester)		
Cat. #	Course Title	Credits	Cat. #	Course Title	Credits
BRX 120	Basic Blueprint Reading	3	MTT 114	Fundamentals of Machine Tools	7
EET 276	Programmable Logic Controllers	2	IMT 100	Welding for Maintenance	3
EET 277	Programmable Logic Controllers Lab	2	IMT 101	Welding for Maintenance Lab	2
EET 272	Electrical Motor Control 2	2			
EET 273	Electrical Motor Control 2 Lab	2			
	Elective 1-5 hours				
Total Credits: 12-16			Total Credits: 12		

Industrial Maintenance Technology Certificates

The following certificates are also available:

Fluid Power Mechanic

10 credit hours

Industrial Maintenance Machinists Mechanic

20-21 credit hours

Industrial Maintenance Electrical Mechanic

11-20 credit hours

Industrial Maintenance Mechanic Level 1

12-20 credit hours

Industrial Maintenance Mechanic Level II

21-31 credit hours

Electro-Hydraulic Technician

15 credit hours

Program Advisor Contact Information

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BCTC is an equal opportunity employer and education institution.

Program offerings and course requirements are subject to change