

# Industrial Maintenance Technology

Student Name \_\_\_\_\_

Enrollment Date \_\_\_\_\_ Academic Year \_\_\_\_\_

Emplid \_\_\_\_\_ Scores: Math \_\_\_\_\_

Reading \_\_\_\_\_

Writing \_\_\_\_\_

Progression in the MIT: Industrial Maintenance Technology program is contingent upon achievement of a grade of C or greater in each technical course and maintenance of a 2.0 cumulative grade point average or above (on a 4.0 scale).

## CERTIFICATE – INDUSTRIAL MAINTENANCE MECHANIC LEVEL I: 15 Total Credit Hours

Required Scores: Algebra – 25 / Reading – NA / Writing – NA	Cr Hr	Grade
<b>ELT 110 Circuits I</b> <i>Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor</i> (or IMT 110 and IMT 111)	5	
<b>FPX 100 Fluid Power</b> <i>Coreq: FPX 101 or Consent of Instructor</i> <b>AND</b>	3	
<b>FPX 101 Fluid Power Lab</b> <i>Coreq: FPX 100 or Consent of Instructor</i> (or ET 265)	2	
<b>IMT 150 Maintaining Industrial Equipment I</b> <i>Coreq: IMT 151 or Consent of Instructor</i>	3	
<b>IMT 151 Maintaining Industrial Equipment I Lab</b> <i>Coreq: IMT 150 or Consent of Instructor</i>	2	

## CERTIFICATE – INDUSTRIAL MAINTENANCE ELECTRICAL MECHANIC: 14 Total Credit Hours

Required Scores: Algebra – 25 / Reading – NA / Writing – NA	Cr Hr	Grade
<b>EET 270 Electrical Motor Controls I</b> <i>Prereq: ELT 110 or Consent of Instructor</i> <i>Coreq: EET 271</i> <b>AND</b>	2	
<b>EET 271 Electrical Motor Controls I Lab</b> <i>Coreq: EET 270</i> (or (EET 264 and EET 265) or (EET 276 and EET 277) or ET 244 or (IMT 120 and IMT 121) or (IMT 220 and IMT 221) or (IMT 280 and IMT 281))	2	
<b>ELT 110 Circuits I</b> <i>Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor</i> (or IMT 110 and IMT 111)	5	
<b>FPX 100 Fluid Power</b> <i>Coreq: FPX 101 or Consent of Instructor</i> <b>AND</b>	3	
<b>FPX 101 Fluid Power Lab</b> <i>Coreq: FPX 100 or Consent of Instructor</i> (or ET 265)	2	

I have reviewed this advising sheet with my advisor and understand course requirements and preferred sequence of courses necessary to complete a credential. Also, I do understand that there may be course changes with future curriculum revisions that may affect a change in course requirements listed on this sheet.

Student: \_\_\_\_\_

Advisor: \_\_\_\_\_

Date: \_\_\_\_\_

Student: \_\_\_\_\_

Advisor: \_\_\_\_\_

Date: \_\_\_\_\_

## CERTIFICATE – INDUSTRIAL MAINTENANCE MACHINISTS MECHANIC: 20 Total Credit Hours

Required Scores: Pre-Algebra–34 / Reading–74 / Writing–49	Cr Hr	Grade
<b>GEN 100 Introduction to College</b> ( <i>No prerequisite</i> )	1	
<b>BRX 110 Basic Blueprint Reading for Machinist</b> <i>No prerequisite</i> (or BRX 112 or BRX 120 or ET 102)	2	
<b>IMT 150 Maintaining Industrial Equipment I</b> <i>Coreq: IMT 151 or Consent of Instructor</i>	3	
<b>IMT 151 Maintaining Industrial Equipment I Lab</b> <i>Coreq: IMT 150 or Consent of Instructor</i>	2	
<b>MTT 110 Fundamentals of Machine Tools – A</b> <b>AND</b>	3	
<b>MTT 112 Fundamentals of Machine Tools – B</b> <i>Prereq: (MTT 110 with a grade of C or greater) or Consent of Instructor</i> (or (IMT 115 and IMT 116) or MTT 114)	4	
<b>WLD 120 Shielded Metal Arc Welding</b> <i>Coreq: WLD 121 or Consent of Instructor</i> <b>AND</b>	2	
<b>WLD 121 Shielded Metal Arc Welding Fillet Lab</b> <i>Coreq: WLD 120 or Consent of Instructor</i> (or (IMT 100 and IMT 101) or WLD 152)	3	

## CERTIFICATE – INDUSTRIAL MAINTENANCE MECHANIC LEVEL II: 25 Total Credit Hours

Required Scores: Algebra – 25 / Reading – 74 / Writing – 49	Cr Hr	Grade
<b>GEN 100 Introduction to College</b> <i>No prerequisite</i>	1	
<b>BRX 110 Basic Blueprint Reading for Machinist</b> <i>No prerequisite</i> (or BRX 112 or BRX 120 or ET 102)	2	
<b>ELT 110 Circuits I</b> <i>Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor</i> (or IMT 110 and IMT 111)	5	
<b>FPX 100 Fluid Power</b> <i>Coreq: FPX 101 or Consent of Instructor</i> <b>AND</b>	3	
<b>FPX 101 Fluid Power Lab</b> <i>Coreq: FPX 100 or Consent of Instructor</i> (or ET 265)	2	
<b>MTT 110 Fundamentals of Machine Tools – A</b> <b>AND</b>	3	
<b>MTT 112 Fundamentals of Machine Tools – B</b> <i>Prereq: (MTT 110 with a grade of C or greater) or Consent of Instructor</i> (or (IMT 115 and IMT 116) or MTT 114)	4	
<b>WLD 120 Shielded Metal Arc Welding</b> <i>Coreq: WLD 121 or Consent of Instructor</i> <b>AND</b>	2	
<b>WLD 121 Shielded Metal Arc Welding Fillet Lab</b> <i>Coreq: WLD 120 or Consent of Instructor</i> (or (IMT 100 and IMT 101) or WLD 152)	3	

**DIPLOMA – INDUSTRIAL MAINTENANCE TECHNICIAN: 48-51 Total Credit Hours**

Required Scores: Algebra–25/Reading–85/Writing–49 or 74	Cr Hr	Grade		Cr Hr	Grade
<b>General Education:</b>					
<b>Area 1 = Writing / Accessing Information, Oral Communication or Humanities / Heritage / Foreign Languages</b> <i>Rec. ENG 101 or COM 181 or COM 252</i>	3				
<b>Area 2 = MAT 115 Technical Mathematics</b> (or MAT 125 or higher level mathematics (excluding MAT 120)) (sub MAT 110) <i>Prereq: MAT 65 or equivalent as determined by KCTCS placement examination</i>	3				
<b>Area 3 = Computer Literacy course or competency demonstrated by exam</b> <i>Rec. CIS 100</i>	0-3				
<b>Technical Core:</b>					
<b>GEN 100 Introduction to College</b> <i>No prerequisite</i>	1				
<b>BRX 110 Basic Blueprint Reading for Machinist</b> <i>No prerequisite</i> (or BRX 112 or BRX 120 or ET 102)	2				
<b>EET 270 Electrical Motor Controls I</b> <i>Prereq: ELT 110 or Consent of Instructor</i> <i>Coreq: EET 271</i>	2				
<b>EET 271 Electrical Motor Controls I Lab</b> <i>Coreq: EET 270</i> (or (EET 264 and EET 265) or ET 244 or (IMT 120 and IMT 121) or (IMT 220 and IMT 221))	2		<b>AND</b>		
				<b>ELT 110 Circuits I</b> <i>Prereq: (MAT 65 or equivalent placement level) or Consent of Instructor</i> (or IMT 110 and IMT 111)	5
				<b>FPX 100 Fluid Power</b> <i>Coreq: FPX 101 or Consent of Instructor</i>	3
				<b>FPX 101 Fluid Power Lab</b> <i>Coreq: FPX 100 or Consent of Instructor</i> (or ET 265)	2
				<b>IMT 150 Maintaining Industrial Equipment I</b> <i>Coreq: IMT 151 or Consent of Instructor</i>	3
				<b>IMT 151 Maintaining Industrial Equipment I Lab</b> <i>Coreq: IMT 150 or Consent of Instructor</i>	2
				<b>WLD 120 Shielded Metal Arc Welding</b> <i>Coreq: WLD 121 or Consent of Instructor</i>	2
				<b>WLD 121 Shielded Metal Arc Welding Fillet Lab</b> <i>Coreq: WLD 120 or Consent of Instructor</i> (or (IMT 100 and IMT 101) or WLD 152)	3
				<b>Technical Electives (see catalog for complete list - circle or write in course taken)</b> <i>Sub - ACR 100, ACR 101, ACR 250, ACR 251, ACR 260, ACR 261, BRX 210, COE 199, EET 150, EET 151, EET 264, EET 265, EET 270, EET 271, EET 276, EET 277, ENGT 114,, ENGT 260, IMT 198, IMT 199, IS 100, MTT 110, MTT 112, MTT 114, MTT 124, MTT 224, WLD 100, WLD 101, WLD 123 or other courses with Consent of Instructor</i>	15

**ASSOCIATE IN APPLIED SCIENCE DEGREE: (INDUSTRIAL MAINTENANCE TECHNICIAN DIPLOMA (48-51 Hours) PLUS 3 additional credit hours in technical electives and 12 additional credit hours in General Education): 63-66 Total Credit Hours**

Required Scores: Algebra – 25 / Reading – 85 / Writing – 74	Cr Hr	Grade	Course
<b>ENG 101 Writing I</b> (if not taken for diploma) <i>Prereq: Appropriate writing placement score or ENC 91</i>	(3)		
<b>Heritage / Humanities / Foreign Languages</b> (if not taken for diploma) <i>Prereq: See Compass / ACT score requirement</i>	(3)		
<b>Oral Communication</b> (if not taken for diploma) <i>Prereq: See Compass / ACT score requirement</i>	(3)		
<b>Science</b> <i>Prereq: See Compass / ACT score requirement</i>	3		
<b>Social Interaction</b> <i>Prereq: See Compass / ACT score requirement</i>	3		

Developmental Math	Cr Hr
<b>MAT 55 – Pre-Algebra</b> <i>Compass score 24-41 in Pre-Algebra</i>	3
<b>MAT 65 – Basic Algebra</b> <i>Compass score 16-30 in Algebra</i>	3
<b>MAT 120 – Intermediate Algebra</b> <i>Compass score 31-35 in Algebra</i>	3
<b>MAT 100 – College Algebra Workshop</b> <i>Compass score 36-49 in Algebra / ACT 19-21 - enroll concurrent in College Algebra (MAT 150)</i>	2
<b>Developmental Writing</b>	
<b>ENC 90 – Foundations of College Writing I</b> <i>Compass score 26-38</i>	3
<b>ENC 91 – Foundations of College Writing II</b> <i>Compass score 39-73</i>	3
<b>Developmental Reading</b>	
<b>RDG 20 – Improved College Reading</b> <i>Compass score 49-69</i>	3
<b>RDG 30 – Reading for the College Classroom</b> <i>Compass score 70-82</i>	3
<b>RDG 41 – Reading Laboratory</b> <i>Compass score 83-84</i>	1

**Developmental Courses:** Once students complete and pass a developmental course with a grade of 'C' or higher, they have the option of retesting or moving into the next level of developmental. Once students have completed and passed ALL levels of developmentals, they can be placed into General Education courses, including College Algebra, and are not required to retest.