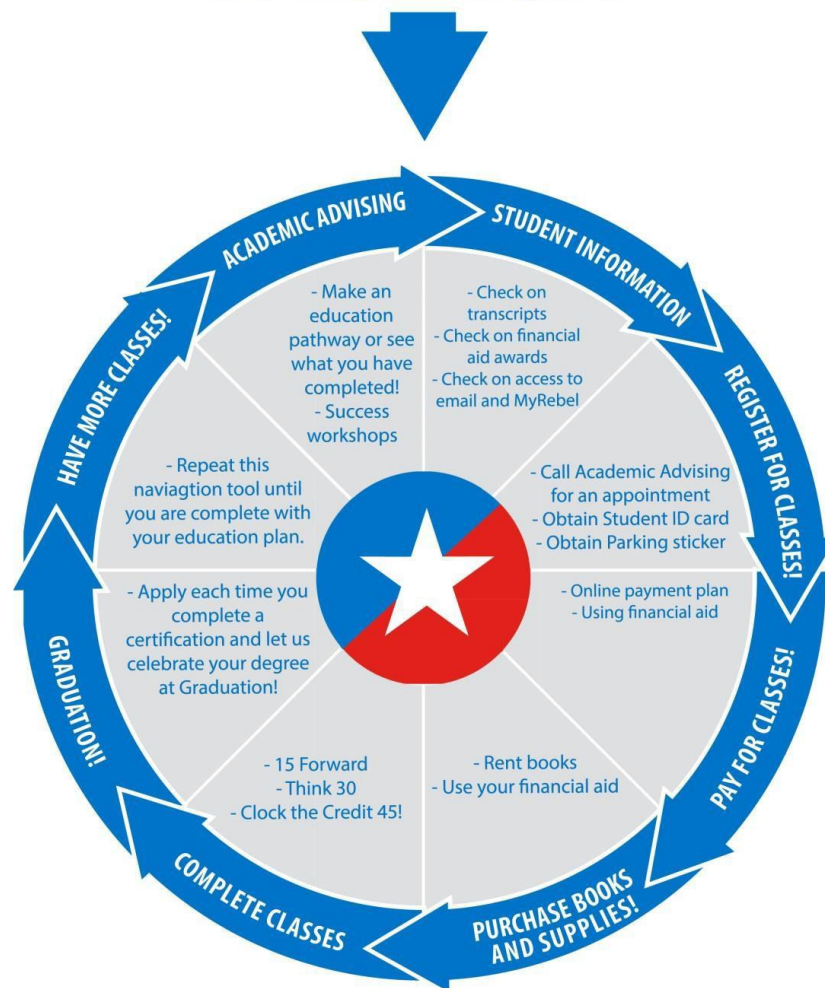




# Industrial Maintenance Technology AAS Education Plan

Industrial Maintenance technicians are needed in every industry that uses machinery, from assembly plants to warehouses. Because of their role in keeping facilities running safely and efficiently, as well as their mandatory broad skill set, Industrial Maintenance Technicians are in high demand. The Hill College Industrial Maintenance Program responds to this critical need with an Associate of Applied Science degree in Applied Science and various short-term certificates which lead to this degree. Because workers in this field must be cross trained in many areas of skilled labor, courses provide training in the areas of electrical, manufacturing, maintenance, machining and welding. Students who complete the AAS in Industrial Maintenance will also receive certificates of completion in Basic Machinist and Basic Electrical Skills, as well as certificates in Industrial Maintenance.

Submit Apply Texas application, submit FAFSA, request official transcripts, submit test scores and provide proof of Meningitis shot.



For more information, contact:

Division: 817.760.5553 | Student Information Services: 254.659.7600 | Academic Advising: 254.659.7650



## Industrial Maintenance Technology AAS Education Plan

Transfer students should review all transcripts with an academic advisor to determine if the courses apply to this education plan

Name: \_\_\_\_\_

Student ID#: \_\_\_\_\_

Texas State Initiative (TSI) status. Complete: \_\_\_\_\_ Incomplete: \_\_\_\_\_ (see advisor)

MC 6125 Industrial Maintenance Skills Certificate of Completion 18 hours (TSI Waived) *Students should begin with the Certificate of Completion			
Course	Title	Date completed	Grade
ELPT 1311	Basic Electrical Theory		
INMT 1305	Introduction to Industrial Maintenance		
MCHN 1302	Blueprint Reading for Machining Trades		
MCHN 1343	Machine Shop Mathematics		
WLDG 1428	Introduction to Shielded Metal Arc Welding (SMAW)		
INMT 2245	Industrial Troubleshooting		

MC 6126 Industrial Maintenance Certificate of Technology 34 Hours (TSI Required) *Industrial Maintenance Skills Certificate of Completion Required			
Course	Title	Date completed	Grade
BCIS 1305	Business Computer Applications		
ELMT 1305	Basic Fluid Power		
INMT 1319	Manufacturing Processes		
MCHN 1320	Precision Tools and Measurement		
MCHN 1438	Basic Machine Shop I		

MC 6127 Industrial Maintenance Associate of Applied Science 60 Hours TSI (Required) Basic Industrial Maintenance Skills Certificate of Completion and Industrial Maintenance Certificate of Technology Required			
Course	Title	Date completed	Grade
ELPT 1325 OR MCHN 2303	National Electric Code Or Fundamentals of CNC Machine Controls		
ELPT 2419	Programmable Logic Controllers		
ELPT 2405	Motors and Transformers		
INMT 2380	Cooperative Education		
ENGL 1301	Composition I		
*MATH	College Level Mathematics Elective		
*ELECTIVE	Social and Behavioral Sciences		
*ELECTIVE	Language, Philosophy & Culture or Creative Arts Core		

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## Business & Industry



### MC 6170 Basic Electrical Skill Certificate of Completion 17 Hours (TSI Waived)

**\*Requires Completion of Basic Industrial Maintenance Skills Certificate of Technology**

Course	Title	Date completed	Grade
ELPT 1311	Basic Electrical Theory		
ELMT 1305	Basic Fluid Power		
ELPT 1325	National Electric Code		
ELPT 2419	Programmable Logic Controllers		
ELPT 2405	Motors and Transformers		

### MC 6077 Basic Machinist Certificate of Completion 16 Hours (TSI Waived)

Course	Title	Date completed	Grade
MCHN 1302	Print Reading for Machining Trades		
MCHN 1343	Machine Shop Mathematics		
+MCHN 2303	Fundamentals of Computer Numerical Controlled (CNC) Machine Controls		
MCHN 1320	Precision Tools and Measurements		
MCHN 1438	Basic Machine Shop I		

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