

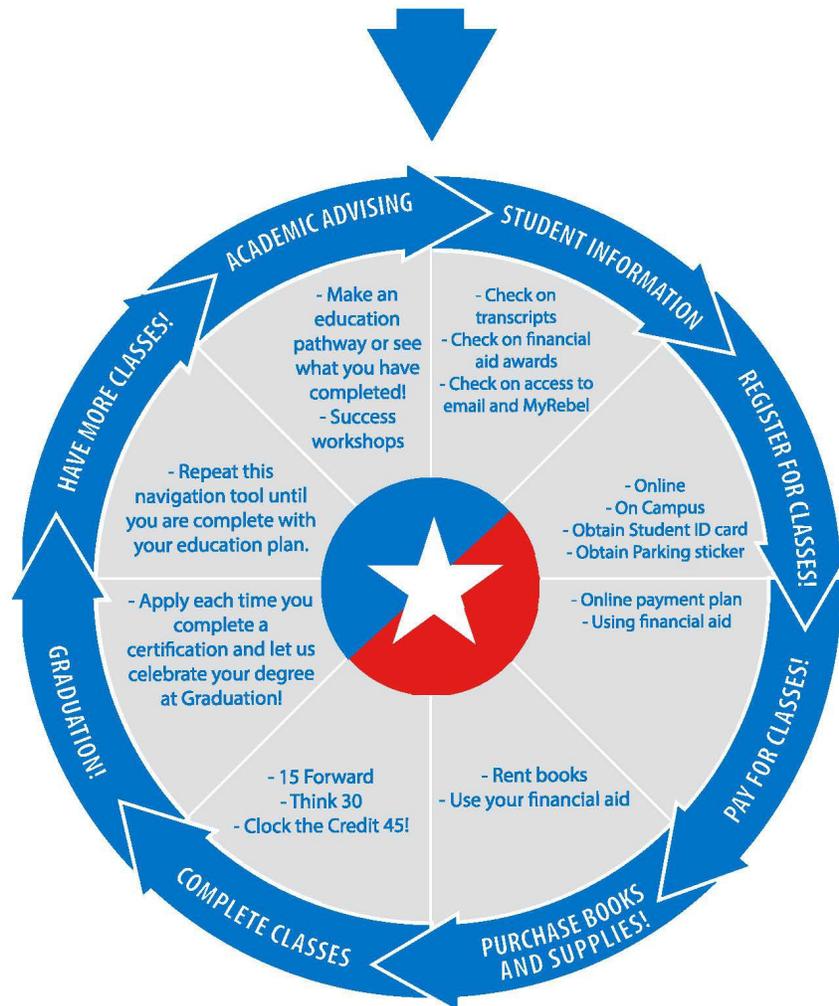


## INDUSTRIAL MAINTENANCE TECHNOLOGY ASSOCIATE OF APPLIED SCIENCE

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:

Pathway: 817-760-5572 | Student Information Services: 254.659.7600 | Academic Advising: 254.659.7650



## 2022/2023 EDUCATION PLAN INDUSTRIAL MAINTENANCE ASSOCIATE OF APPLIED SCIENCE

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)

AAS 6127 Industrial Maintenance Associate of Applied Science		60 Hours	TSI Waived	
Industrial Maintenance Skills Certificate (18 Hours)				
CC 6125	Certificate of Completion	TSI Waived		
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			
POFT 1220	Job Search Skills			
WLDG 1428	Introduction to Shielded Metal Arc Welding (SMAW)			

Industrial Maintenance Technology Certificate (16 Hours)				
CT 6126	Certificate of Technology $\Psi$	TSI Required		
Course	Title	Date completed	Grade	
BCIS 1305	Business Computer Applications			
ELMT 1305	Basic Fluid Power			
INMT 1319	Manufacturing Processes			
MCHN 1320	Precision Tools & Measurements			
MCHN 1438	Basic Machine Shop I			

Industrial Maintenance Technology (24 Hours)				
AAS 6127	Associates of Applied Science $\Psi\Psi$	TSI Required		
Course	Title	Date completed	Grade	
ELPT 1325 OR ELPT 2303	National Electric Code OR Fundamentals of CNC Machine Controls			
ELPT 2405	Motors & Transformers			
ELPT 2419	Programmable Logic Controllers			
INMT 2380	Cooperative Education+			
ENGL 1301	Composition I			
MATH	College Level Mathematics*			
ELECTIVE	Social & Behavioral Sciences*			
ELECTIVE	Language, Philosophy & Culture or Creative Arts Core*			

\*See Core Curriculum for course options

¶ See course description for elective options

$\Psi$  Prerequisite I.M. Skills CC 6125

$\Psi\Psi$  Prerequisite CC 6125 & CT 6126

+ Capstone

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Basic Electrical Skills Certificate (17 Hours)			
CC 6170	Certificate of Completion	TSI Waived	
Course	Title	Date completed	Grade
ELPT 1305	Basic Fluid Theory		
ELPT 1311	Basic Electrical Theory		
ELPT 1325	National Electric Code		
ELPT 2405	Motors & Transformers		
ELPT 2419	Programmable Logic Controllers		

Basic Machinist Skills Certificate (16 Hours)			
CC 6077	Certificate of Completion	TSI Waived	
Course	Title	Date completed	Grade
MCHN 1302	Print Reading for Machining Trades		
MCHN 1320	Precision Tools & Measurements		
MCHN 1343	Machine Shop Mathematics		
MCHN 1438	Basic Machine Shop I		
MCHN 2303	Fundamentals of Computer Numerical Controlled (CNC) Machine Controls +		

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