

# Navajo Technical University

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

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

## Certificate – Industrial Maintenance and Operations Requirements 30 Credits

Navajo Technical University offers a certificate in Industrial Maintenance and Operations. An industrial maintenance mechanic is a person trained to repair and maintain commercial or industrial machinery in buildings, plants or factories. This program focuses on vibration analysis, electrical troubleshooting, drive system repair and hydraulic, pneumatic system troubleshooting and repair. They also troubleshoot and repair heating, ventilation, and air conditioning (HVAC) systems, electrical control systems and complete preventive maintenance of other types of machinery. The program is designed to serve the needs of the community, state, and federal agencies and companies in order to meet the challenges of the 21<sup>st</sup> century. Upon completion of the program, the students may decide to work, or if they want to further their education, they can transfer their credits to any college of their choice. Graduates of this program should be able to seek gainful employment in companies such as paper mills, saw mills, and the utilities companies.

GENERAL EDUCATION REQUIREMENTS		Credits	PrerequisiteS	Semester/Transfer	Grade
ENGL 1210	Technical Communications	3	ENGL098 or satisfactory placement scores		
MTH 113	Technical Mathematics	3	SEE CATALOG		
NAVA XXX	Dine Studies Course	3			
BCIS 1115	Introduction to Computers	3			
<b>INDUSTRIAL MAINTENANCE CORE COURSES</b>					
<b>Semester ONE</b>		<b>Credits</b>			
ENGR 103	Introduction to Engineering	3	MATH 1215		
IMO 101	Industrial Maintenance I	5			
<b>Semester TWO</b>					
CHEME 115	Introduction to Process Technology	3			
IMO 102	Industrial Maintenance II	5			
WLD 101	Welding Fundamentals	3			
<b>TOTAL REQUIRED CREDIT HOURS</b>		<b>31</b>			

*\*\* Please check course descriptions for the appropriate prerequisite course(s).*

	Signatures	Date
Student:		
Advisor:		
Registrar:		
Graduation Date:		

Updated 6/2/2020