

# Navajo Technical University

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

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

## Certificate – Electrical Trades Requirements 37 Credits

The Electrical Trades program enables students to develop marketable skills and gain the knowledge needed to excel at various jobs in the electrical industry such as electrician, apprentice lineman, maintenance electrician, and electrical sales.

The electrical trade’s classes meet each day in indoor or outdoor labs specifically designed for practical work experience within the trade. Safety rules, basic electricity, low voltage systems, ground fault circuit interceptors, correct and safe use of tools and equipment, design and installation of various circuits, use of the National Electrical Codes, and the study and practice of safe, efficient, and well-designed electrical systems for residential, commercial, and industrial facilities are the general topics covered in the program.

Students planning to pursue a Journeyman Electrician Certificate through the New Mexico Regulation and Licensing Department will gain one year of work experience from their electrical theory and lab experience at NTU. In order to improve their chances for acceptance into apprenticeship programs, students are strongly encouraged to take higher level math courses such as MTH 115 and/or MTH 120.

GENERAL EDUCATION REQUIREMENTS		Credits	Prerequisite	Semester/Transfer	Grade
ENG 105	Applied Technical Writing	3	ENG098		
MTH 113	Technical Mathematics II	3	MTH098		
NAVXXX	Dine Studies Course	3			
CMP101	Introduction to Computers	3			
<b>ELECTRICAL TRADES CORE COURSES</b>					
<b>Semester ONE</b>		<b>Credits</b>			
CT 103	Introduction to Craft Skills	3			
<b>Semester TWO</b>		<b>Credits</b>			
ELC 101	Electrical Level I	4	CT103		
ELC 102	Electrical Trades Lab I	2	CT103		
ERS 104	Electrical Mathematics	3	MTH113		
ELC 113	Residential/Commercial Blueprint Reading	4			
<b>Semester THREE</b>					
ELC 111	Commercial Wiring	4	ELC101/CT103		
ELC 112	Electrical Trades Lab II	2	ELC102		
ERS 114	National Electrical Code Exam Prep	3	ELC101		
<b>TOTAL REQUIRED CREDIT HOURS</b>		<b>37</b>			

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

	Signatures	Date
Student:		
Advisor:		
Registrar:		
Graduation Date:		