

# Navajo Technical University

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

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

## Certificate – Electrical Trades Requirements 38-39 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 MATH 1115 and/or MATH 1220.

Semester ONE		Credits	Prerequisite	Semester/Transfer	Grade
ENGL1210 or ENGL1110	Technical Communications or Composition I	3	ENGL098 or satisfactory placement scores		
CT103	Introductory Craft Skills	3			
BCIS 1115	Intro to Computers	3			
MTH 113 or MTH 114	Technical Mathematics or Quantway I	3-4	SEE CATALOG		
SSC 100	College Success	1			
Semester TWO		Credits			
NAVA XXX	Dine Studies	3			
ELC100	Modern Residential Wiring	3			
ELC101	Electrical Level I	4	CT103		
ELC102	Electrical Trades Lab I	2	CT103		
Semester THREE					
ELC 111	Commercial Wiring	4	ELC 101, CT 103		
ELC 112	Electrical Trades Lab II	2	ELC102		
ELC 113	Residential/Commercial Blueprint Reading	4			
ERS 114	National Electrical Code Exam Prep	3	ELC101		
<b>TOTAL REQUIRED CREDIT HOURS</b>		<b>38-39</b>			

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

	Signatures	Date
Student:		
Advisor:		
Registrar:		
Graduation Date:		

Updated 5/4/2020