



DEGREE SHEET / 2016-2017 CATALOG

Student Name:

Eagle ID:

Eagle Email:

Phone:

ASSOCIATE of APPLIED SCIENCE in ELECTRICAL TECHNOLOGY

Northern's two-year AAS in ELECTRICAL TECHNOLOGY is a hands-on program providing in-depth journeyman preparation for five broad areas of the industry, including residential and commercial wiring, industrial electrical maintenance, solar photovoltaic (p.v.) design and troubleshooting techniques.

From wiring a single-family home, to installing large switchgear, lighting, control, phone and data systems in large commercial buildings, to system analysis, design, installation and troubleshooting of industrial automated control systems, and variable frequency drives and solar electricity, our graduates are well prepared for wide range of career opportunities.

GENERAL EDUCATION REQUIREMENTS (27 Credits)	SEMESTER	GRADE
AREA I: COMMUNICATIONS (9 Credits)		
ENG 111 English Composition I (3) <i>Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation</i>		
ENG 116 Technical Writing (3) <i>Pre-requisite: ENG 111</i>		
SPCH 130 Public Speaking (3) <i>Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation</i>		
AREA II: MATHEMATICS/COMPUTERS/LABORATORY SCIENCE (9 Credits)		
ENGR 110L Introduction to Engineering (2) <i>Pre-requisite: None</i>		
ENGR 115 Basic Math for Engineering Applications (4) <i>Pre-requisites: MATH 100</i>		
Choose one of the following electives:		
BCIS 102 Computer Literacy (3) <i>Pre-requisite: None</i>		
EECE 111 Introduction to Web Design (3) <i>Pre-requisite: None</i>		
AREA IV: SOCIAL/BEHAVIORAL SCIENCES (3 Credits) <i>Students must complete a minimum of 15 credit hours spread between areas IV and V.</i>		

Elective (3) You must select courses from the approved list in the Catalog for GenEd		
AREA V: HUMANITIES and FINE ARTS (3 Credits) <i>Students must complete a minimum of 15 credit hours spread between areas IV and V.</i>		
Elective (3) You must select courses from the approved list in the Catalog for GenEd		
AREA VI: FIRST YEAR EXPERIENCE (3 Credits)		
FYE 101 First Year Experience (3) <i>Pre-requisite: None</i>		
PROGRAM REQUIREMENTS (33 Credits)		
ELEC 110 Introduction to Solar Electricity (1) <i>Pre-requisite: None</i>		
ELEC 110L Introduction to Solar Electricity Lab (2) <i>Pre-requisite: None</i>		
ELEC 140 Electrical Theory I (3) <i>Pre-requisite: None</i>		
ELEC 141 Electrical Code I (3) <i>Pre-requisite: None</i>		
ELEC 142L Residential Wiring Lab (6) <i>Pre-requisite: None</i>		
ELEC 150 Electrical Theory II (3) <i>Pre-requisite: None</i>		
ELEC 151 Electrical Code II (3) <i>Pre-requisite: None</i>		
ELEC 152L Commercial Wiring Lab (6) <i>Pre-requisite: None</i>		
ELEC 160 Motors Controls (3) <i>Co-requisite: ELEC 160L</i>		
ELEC 160L Motors Controls Lab (3) <i>Co-requisite: ELEC 160</i>		
TOTAL CREDITS 60		
ADVISOR APPROVAL	DATE	

SUGGESTED SEQUENCE OF COURSES

FIRST SEMESTER (14 Credits)

ENG 111 English Composition I (3)
FYE 101 First Year Experience (3)
ENGR 110L Introduction to Engineering (2)
ELEC 140 Electrical Theory I (3)
ELEC 110 Introduction to Solar Energy (1)
ELEC 110L Introduction to Solar Energy Lab (2)

SECOND SEMESTER (16 Credits)

ENGR 115 Basic Math for Engineering Apps (4)
ELEC 150 Electrical Theory II (3)
ELEC 141 Electrical Code I (3)
ELEC 142L Residential Wiring Lab (6)

THIRD SEMESTER (15 Credits)

Elective Computer courses (3)
HFA Elective (3)
ELEC 151 Electrical Code II (3)
ELEC 152L Commercial Wiring Lab (6)

FOURTH SEMESTER (15 Credits)

SPCH 130 Public Speaking (3)
ELEC 160 Motors Controls (3)
ELEC 160L Motors Controls Lab (3)
SBS Elective (3)
ENG 116 Technical Writing (3)

EDUCATIONAL PLANNING FORM (Semester)

FALL SEMESTER	SPRING SEMESTER	SUMMER
Total Units	Total Units	Total Units
FALL SEMESTER	SPRING SEMESTER	SUMMER
Total Units	Total Units	Total Units
FALL SEMESTER	SPRING SEMESTER	SUMMER
Total Units	Total Units	Total Units
FALL SEMESTER	SPRING SEMESTER	SUMMER
Total Units	Total Units	Total Units