

STUDENT EDUCATIONAL PLAN

(Needed for Each Registration, VA, and Financial Aid Approval)

Counselor's Initials _____
Semester of Entry _____

DATE _____ Date Initial _____ Date Initial _____ Date Initial _____
UPDATED _____

NAME _____ ID _____ ADVISOR _____ ROOM/EXT _____ / _____
(Last) (First) (MI)

The following developmental courses are required as a part of your program and must be completed prior to attempting courses from the same area in the curriculum.

MATH _____ **ENGLISH** _____ **READING(RED)** _____ **SCIENCES** _____

OTHER CONDITIONS: _____ **COLLEGE/MAJOR** _____

You must follow this curriculum outline! Failure to do so may result in loss of VA, Financial Aid, or other benefits.

Electrical/Electronics Technology (A35130)

EFFECTIVE DATE:
Revised:

OTHER REQUIRED COURSES:

___ ACA-111 College Student Success 1
or
___ ACA-115 College Student Success 1

___ (ELC 117) Motors & Controls	4
___ (ELC 128) Intro to PLC	3
___ ELC 228 PLC Applications	4
___ (ELC 213) Instrumentation	4
___ ELN 133 Digital Electronics	4
___ ELN 229 Industrial Electronics	4

TOTAL SEMESTER HOURS:
68

Diploma in Electrical Systems Technology:
ELC 112__ACA 115__ELC 113__ ELC 128__ CIS
110__ENG 111__ELC 117__MAT 110__ISC
112__ELC 229__ELN 229__ELC 114

GENERAL EDUCATION COURSES:

___ CIS 110 Intro to Computers 3
___ ENG 111 Expository Writing 3
(prerequisite DRE 096-097-098)
___ ENG 114 Prof Res & Reporting 3
(Prerequisite ENG 111)
___ HUM 115 Critical Thinking 3
___ MAT 110 Math Measurements & Literacy 3
(prerequisite DMA 010-050)
___ PHY 110 Conceptual Physics 3
___ PHY 110A Conceptual Physics Lab 1
___ PSY 150 General Psychology 3

Other Major Courses

___ ELC 229 Applications Project	2
___ WBL 111 Work-Based Learning I	1
___ ISC 112 Industrial Safety	<u>2</u>
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Certificate in Electrical System Technology.
(Electrical Systems C35130)
ELC112__ELC 113__ELC 114__ISC 112__

Certificate in Electrical System Technology
(Industrial Controls C35130I)
ELC 112__ELC 117__ELC 128__ ELC 213

22

MAJOR COURSES:

Required Core Courses

___ **ELC 112** DC/AC Electricity 5
___ **ELC 113** Residential Wiring 4
___ **ELC 114** Commercial Wiring 4
___ ELC 115 Industrial Wiring 4

TRANSCRIPT(S) _____

TOTAL TRANSFER CREDITS GRANTED: _____
TOTAL CREDITS COMPLETED AT RE-ENTRY: _____

Bachelor's Degree: Yes / No Attended Other Post-Secondary Institutions: Yes / No Race: _____ Sex: M / F Residency: In-State / Out-of-State

FINANCIAL AID APPROVAL _____ (Counselor=s Signature)

VA BENEFITS APPROVAL _____ (Counselor's Signature)

Bladen Community College
Electrical Systems Technology
 Effective: Fall 2013

Length: 4 Semesters

Prerequisite: High School Diploma or Equivalent

Award: Associate in Applied Science Degree

FALL SEMESTER 1

Prefix No.	Title	Class	Lab	Clinical	Credit
ACA111	College Student Success	1	0	0	1
ENG 111	Expository Writing	3	0	0	3
ELC 112	DC/AC Electricity	3	6	0	5
ELC 113	Residential Wiring	2	6	0	4
CIS 110	Intro. to Computers	3	0	0	3
Totals		12	12	0	16

SPRING SEMESTER 1

Prefix No.	Title	Class	Lab	Clinical	Credit
ENG 114	Prof Res & Reporting	3	0	0	3
ELC 114	Commercial Wiring	2	6	0	4
ELC 117	Motors & Controls	2	6	0	4
MAT 110	Math Measurement & Literacy	2	2	0	3
ELN 229	Industrial Electronics	3	3	0	4
Totals		12	17	0	18

FALL SEMESTER 2

Prefix No.	Title	Class	Lab	Clinical	Credit
HUM 115	Critical Thinking	3	0	0	3
ELC 115	Industrial Wiring	2	6	0	4
ELC 128	Intro to PLC	2	3	0	3
ELN 133	Digital Electronics	3	3	0	4
ELC 213	Instrumentation	3	2	0	4
Totals		13	14	0	18

SPRING SEMESTER 2

Prefix No.	Title	Class	Lab	Clinical	Credit
WBL 111	Work-Base Learning I	0	0	10	1
ELC 229	Applications Projects	1	3	0	2
ELC 228	PLC Applications	2	6	0	4
PYS 150	General Psychology	3	0	0	3
PHY 110	Conceptual Physics	3	0	0	3
PHY 110	Conceptual Physics Lab	0	2	0	1
ISC 112	Industrial Safety	2	0	0	2
Totals		11	11	10	16

TOTAL REQUIRED CREDITS.... 68

PROGRAM FACT SHEET

Electrical Systems Technology

A35130

This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical/electronic systems found in residential, commercial, and industrial facilities.

Training, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, digital electronics, programmable logic controllers, industrial motor controls, the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical/electronic field as an on-the-job trainer or apprentice, assisting in the layout, installation, and maintenance of electrical/electronic systems.

This program leads to an Associate in Applied Science Degree. To be eligible for graduation, the student must have satisfactorily completed the course requirements. Also, in cooperation with the School of Industry and Technology at East Carolina University, graduates may build upon their A.A.S. Degree in developing a program of studies for completion of the B.S. Degree.

To qualify for admission into this program, the applicant must have a high school diploma or the equivalent.

Awards

Associate Degree: Electrical Systems Technology (A35130)

Length of Program: 4 Semesters
Prerequisite: High School Diploma or Equivalent

Diploma: Electrical Systems Technology (D35130)

Length of Program: 2 Semesters
Prerequisite: High School Diploma or Equivalent

Certificate: Electrical Systems Technology-Electricity (C35130)

Length of Program: 15 Semester Hours
Prerequisite: .High School Diploma or Equivalent

Certificate: Electrical Systems Technology-Industrial Controls (C35130)

Length of Program: 16 Semester Hours
Prerequisite: .High School Diploma or Equivalent

Cooperative Education Requirements/Opportunities:

License or Certification Information:

Program Information Contact:

Curriculum Coordinator:
Telephone Number:
Office Location:
Email:

Department Office:
Telephone:
BCC Web Site: www.bladenc.edu

Application Deadlines:

Scholarship/Financial Aid Information:

Child Care Financial Assistance Information:

Employment Statistics

Job Placement Rates:

Average Salary of Graduates:

Revised: