

New Horizons Regional Education Center
Electronics Technology I and II Course Syllabus
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Office Hours: 7:20am- 7:35 am and 10:15am- 10:45am
12:00pm-12:14pm and 2:45pm- 3:00pm

Course Description: The Electronics Technology program teaches the fundamentals of electricity, electron theory, direct current, and alternating current. People who study electronics will be equipped to help design, maintain, and repair electronics equipment. There are at least twenty different fields in which electronics technologists may work. They include telecommunications, computer electronics, automotive electronics, fiber optic electronics, satellite, microwave electronics, security systems, radar systems, and internet access systems. Electronic technicians can be found wherever electronic systems are, which is almost everywhere!

Required Textbooks and lab Books:

(Electronics I)

Text: Introduction to Electronics Fourth Edition
Author: Gates
Publisher: Thomson Delmar Learning

Lab books: Electricity Concepts I DC and AC circuits
Author: Barish
Publisher: Energy Concepts, Inc.

(Electronics II)

Text: Electronics Applications, Fifth Edition
Author: Schuler
Publisher: McGraw Hill

Lab books: Solid State Fundamentals and Digital Circuitry
Author: Hively
Publisher: Energy Concepts, Inc.

Course Fees:

(Electronics I)

Lab Jacket:	\$19.50
Lab Book fees:	\$70.00
<u>Class supply fee:</u>	<u>\$16.00</u>
Total fees:	\$95.50

(Electronics II)

Class supply fee: \$16.00

*NOCTI Testing: \$40.50 (National Credentialing tests, 1 pretest and 1 post test)

Total fees: \$56.50

Materials for class:

Quantity	Item
2	Pencils (#2 lead)
2	Pens (black or blue ink color)
1	Three subject spiral notebook or 3 single subjects
1	Pack of college ruled filler paper
1	Calculator with scientific and engineering functions

Electronics II: Must have own tool box to contain Phillips and flat head screwdrivers, hex ¼' driver, diagonal wire cutter, long needle nose pliers, and wire strippers.

School provides: static wrist strap, static mats, magnifying lens, surface mount devices, soldering irons, cleaning and cooling compounds, components, test equipment, text books and software programs.

Evaluation of Students Performance:

Grading Criteria:

Employability skills: (example: Attitude, Work Ethics, etc)	30%
Related Instruction: (Class assignments, tests, quizzes, projects, labs)	35%
State Competencies: (Defined by the Department of Education)	35%

Grading system:

90-100 = A

80-89 = B

70-79 = C

60-69 = D