

Highland Community College
Electrical Technology
Associate in Applied Science
(68 credit hours)

To be used **ONLY** in conjunction with programs completed at HCC Technical Centers.

BASIC SKILLS (9 Credits)

Composition and Speech (6 Credits)

- ___ ENG 101 Composition I (3)
- ___ ENG 102 Composition II: Literature and Research (3)
- ___ ENG 103 Composition II: Rhetoric and Research (3)
- ___ ENG 110 Technical Composition (3)
- ___ SP 101 Oral Communications (3)
- ___ SP 106 Public Speaking (3)

Computer Literacy (3 Credits)

- ___ AB 227 Agriculture Microcomputer I (3)
- ___ A 113 Typography (3)
- ___ A 121 Design Software Application (3)
- ___ A 139 Computer Graphics: Web Design (3)
- ___ A 215 Graphic Design (3)
- ___ A 223 Computer Graphics: Illustration (3)
- ___ A 224 Computer Graphics: Enhanced Photo (3)
- ___ BUS 130 Microcomputer Applications I (3)
- ___ BUS 133 Micro App I: Spreadsheet (3)
- ___ BUS 139 Micro App I: Word Processing (3)
- ___ BUS 181 Micro App I: Word Processing (1)
- ___ BUS 183 Micro App I: Spreadsheet (1)
- ___ BUS 189 Micro App I: Electronic Bus Pres (1)
- ___ BUS 246D Micro App I: Web Design (2)
- ___ CAD 131A Computer Graphics I (3)
- ___ CAD 131B Computer Graphics I (2)
- ___ CST 105 Industrial Computer Applications (2)

HUMANITIES and FINE ARTS (3 Credits)

Art

- ___ A 101 Art Appreciation (3)
- ___ A 107 Drawing I (3)
- ___ A 201 Art History Survey: Prehistoric to Medieval (3)
- ___ A 202 Art Hist Survey: Renaissance to Contemp (3)

Business/Leadership

- ___ IDS 120 Introduction to Leadership Concepts (3)

Foreign Language

- ___ LG 100 Conversational Spanish (2)
- ___ LG 101 Spanish I (5)
- ___ LG 102 Spanish II (5)
- ___ LG 201 Spanish III (3)

History

- ___ HIS 101 United States History to 1877 (3)
- ___ HIS 102 United States History since 1877 (3)
- ___ HIS 103 History of Western Civilization I (3)
- ___ HIS 104 History of Western Civilization II (3)
- ___ HIS 202 Introduction to Ancient History (3)

Library Science

- ___ LS 102 Children's Literature (3)

Literature

- ___ ENG 104 Introduction to Literature (3)
- ___ ENG 202 American Lit: Pre-Colonial to Civil War (3)
- ___ ENG 208 Introduction to Short Story (3)
- ___ ENG 209 American Lit: Reconstruction to Pres (3)
- ___ ENG 210 World Lit: Beginnings to Renaissance (3)
- ___ ENG 211 World Lit: Enlightenment to Present (3)
- ___ ENG 212 British Literature: Middle Ages to 1800 (3)
- ___ ENG 213 British Literature: 1800 to Present (3)
- ___ ENG 215 Diverse Voices in Literature (3)

Music

- ___ M 103 Music History/Appreciation (3)
- ___ M 146 Musical Theatre History (3) (= to TH 146)
- ___ M 162 Introduction to World Music (3)
- ___ M 223 History of Jazz (3)

Philosophy

- ___ PHI 101 Introduction to Philosophy (3)
- ___ PHI 102 Introduction to Ethics (3)
- ___ PHI 103 Logic & Critical Thinking (3)
- ___ PHI 105 Religions of the World (3)

Photography

- ___ PHO 107 History of Photography (3)

Speech

- ___ SP 103 Oral Interpretation (3)
- ___ SP 105 Interpersonal Communication (3)

Theatre

- ___ TH 105 Introduction to Drama (3)
- ___ TH 108 History/Appreciation of Theatre Arts (3)
- ___ TH 146 Musical Theatre History (3) (= to M 146)
- ___ TH 208 Film Appreciation (3)

SOCIAL & BEHAVIORAL SCIENCES (3 Credits)

Anthropology

___ ANT 112 General Anthropology (3)

Criminal Justice

___ CJ 100 Intro to Criminal Justice (3)

___ CJ 120 Juvenile Delinquency and Justice (3)

Business

___ BUS 101 Introduction to Business (3)

___ BUS 102 Personal Finance (3)

___ BUS 125 Human Resources (3)

___ BUS 127 Principles of Entrepreneurship I (3)

___ BUS 203 Macroeconomics (3)

___ BUS 204 Microeconomics (3)

Geography

___ GEO 212 World Regional Geography (3)

Political Science

___ POL 100 United States Government (3)

___ POL 101 Introduction to Political Science (3)

___ POL 115 State & Local Government (3)

Psychology

___ PSY 101 General Psychology (3)

___ PSY 105 Industrial & Organizational Psychology (3)

___ PSY 205 Human Growth & Development (3)

Sociology

___ SOC 101 General Sociology (3)

___ SOC 102 Marriage & the Family (3)

___ SOC 104 Introduction to Social Work (3)

MATHEMATICS OR SCIENCES

**Math/Science Requirement fulfilled by degree requirements in Electrical.

Note: Technical courses can be no more than 5 years old.

Revised 8/2020

Degree Requirements (53 credits)

___ ELE102 Safety (OSHA 10) (1)

___ ELE112 AC/DC Circuits I (4)

___ ELE125 Generators & Transformers (3)

___ ELE122 Residential Wiring I (4)

___ ELE115 Print Reading (2)

___ ELE132 Commercial Wiring I (4)

___ ELE135 Troubleshooting Techniques (4)

___ ELE142 National Electrical Code 1 (4)

___ ELE152 Industrial Wiring & Design (4)

___ ELE162 Electrical Motor Operation & Control (5)

___ ELE163 Electrical Motor Operations & Control II (5)

___ ELE165 Blueprints & Schematics (3)

___ ELE172 Fundamentals of PLC's (2)

___ ELE175 Troubleshooting Techniques II (4)

___ ELE182 National Electrical Code II (4)