

Highland Community College

Automotive Technology

Associate in Applied Science
(68 credit hours)

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

BASIC SKILLS (6 Credits)

Composition and Speech (6)

- ___ 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)

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)

Degree Requirements (53 credits)

___ AUT 101 Electrical/Electronic Systems (3)

___ AUT 121 Auto Electricity and Electronics (2)

___ AUT 122 Brakes (3)

___ AUT 142 Automotive Technology Lab I (5)

OR ___ AUT 142A Automotive Technology Lab I A (2)

AND ___ AUT 142B Auto Technology Lab I B (3)

___ AUT 132 Engine Performance I (3)

___ AUT 151 Heating and Air Conditioning (2)

___ AUT 161 Steering and Suspension (3)

___ AUT 192 Automotive Technology Lab II (5)

OR ___ AUT 192A Automotive Technology Lab II A (2)

AND ___ AUT 192B Auto Technology Lab II B (3)

___ AUT 193 Hybrid and Fuel Cell Vehicles (1)

___ AUT 201 Manual Drive Trains and Axles (2)

___ AUT 211 Auto Transmissions/Transaxles I (2)

___ AUT 221 Engine Performance/Drivability II (2)

___ AUT 242 Automotive Technology Lab III (7)

OR ___ AUT 242A Automotive Technology Lab III A (4)

AND ___ AUT 242B Auto Technology Lab III B (3)

___ AUT 251 Engine Repair (2)

___ AUT 255 Auto Transmissions/Transaxles II (1)

___ AUT 261 Auto Service Management (2)

___ AUT 281 Automotive Technology Lab IV (7)

OR ___ AUT 281A Automotive Technology Lab IV A (4)

AND ___ AUT 281B Auto Technology Lab IV B (3)

___ AUT 291 Service Management Practicum (1)

MATHEMATICS OR SCIENCES (3 Credits)

Mathematics course (100 level or above)

Natural Sciences

___ BS 101 College Biology with lab (5)

___ BS 104 Human Anatomy with lab (4)

___ BS 105 Human Physiology with lab (4)

___ BS 107 Intro to Environmental Sci. with lab (4)

___ BS 110 Nutrition (3)

___ BS 112 Nutrition for Health, Fitness and Sports w/Lab (5)

___ BS 201 General Zoology (5)

___ BS 202 General Botany with lab (5)

___ BS 203 Microbiology with lab (5)

Physical Science

___ PS 101 College Physical Science with lab (5)

___ PS 102 Concepts of Physics with lab (4)

___ PS 104 Physical Geology with lab (4)

___ PS 107 General Chemistry with lab (5)

___ PS 108 Astronomy with lab (4)

___ PS 111 College Chemistry I with lab (5)

___ PS 112 College Chemistry II with lab (5)

___ PS 203 General Physics I with lab (5)

___ PS 204 General Physics II with lab (5)

___ PS 210 Organic Chemistry I with lab (5)

___ PS 215 College Physics I with lab (5)

___ PS 216 College Physics II with lab (5)

Required NATEF 2013 Standards:

___ ASE Student Certification: Master Automobile Service Technician (MAST)

Optional Certification:

___ ASE G1 Professional Level Maintenance & Light Repair

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

Revised 8/20