

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

**BASIC SKILLS (9 Credits)**

**Composition and Speech (6)**

- \_\_\_ ENG101 Composition I (3) **TR** GE1
- \_\_\_ ENG102 Composition II: Literature and Research (3) **TR** GE1
- \_\_\_ ENG103 Composition II: Rhetoric and Research (3) **TR** GE1
- \_\_\_ ENG110 Technical Composition (3)
- \_\_\_ SP 105 Interpersonal Communication (3) **TR** GE2
- \_\_\_ SP 106 Public Speaking (3) **TR** GE2

**HUMANITIES and FINE ARTS (3 Credits)**

**Art**

- \_\_\_ A 101 Art Appreciation (3) **TR** GE6
- \_\_\_ A 107 Drawing I (3) **TR** GE6
- \_\_\_ A 201 Art History Survey: Prehistoric to Medieval (3) **TR** GE6
- \_\_\_ A 202 Art Hist Survey: Renaissance to Contemp (3) **TR** GE6

**Education**

- \_\_\_ LS 102 Children's Literature (3) **TR** GE7

**Foreign Language**

- \_\_\_ LG 100 Conversational Spanish (2)
- \_\_\_ LG 101 Spanish I (5) **TR** GE6
- \_\_\_ LG 102 Spanish II (5) **TR** GE6
- \_\_\_ LG 201 Spanish III (3) **TR** GE6

**History**

- \_\_\_ HIS101 United States History to 1877 (3) **TR** GE6
- \_\_\_ HIS102 United States History since 1877 (3) **TR** GE6
- \_\_\_ HIS103 History of Western Civilization I (3) **TR** GE6
- \_\_\_ HIS104 History of Western Civilization II (3) **TR** GE6

**Literature**

- \_\_\_ ENG104 Introduction to Literature (3) **TR** GE6
- \_\_\_ ENG202 American Lit: Pre-Colonial to Civil War (3) **TR** GE6
- \_\_\_ ENG208 Introduction to Short Story (3) GE6
- \_\_\_ ENG209 American Lit: Reconstruction to Pres (3) **TR** GE6
- \_\_\_ ENG210 World Lit: Beginnings to Renaissance (3)
- \_\_\_ ENG211 World Lit: Enlightenment to Present (3) GE6
- \_\_\_ ENG212 British Literature: Middle Ages to 1800 (3)
- \_\_\_ ENG213 British Literature: 1800 to Present (3) GE6
- \_\_\_ ENG215 Diverse Voices in Literature (3) GE6

**Music**

- \_\_\_ M 103 Music History/Appreciation (3) **TR** GE6
- \_\_\_ M 146 Musical Theatre History (3) (= to TH 146) GE6
- \_\_\_ M 162 Introduction to World Music (3) GE6
- \_\_\_ M 223 History of Jazz (3) GE6

**Philosophy**

- \_\_\_ PHI101 Introduction to Philosophy (3) **TR** GE6
- \_\_\_ PHI102 Introduction to Ethics (3) **TR** GE6
- \_\_\_ PHI103 Logic & Critical Thinking (3) **TR** GE6
- \_\_\_ PHI105 Religions of the World (3) **TR** GE6

**Speech**

- \_\_\_ SP 101 Oral Communications (3) GE6
- \_\_\_ SP 103 Oral Interpretation (3)

**Theatre**

- \_\_\_ TH 105 Introduction to Drama (3)
- \_\_\_ TH 108 History/Appreciation of Theatre Arts (3) **TR** GE6
- \_\_\_ TH 146 Musical Theatre History (3) (= to M 146) GE6
- \_\_\_ TH 208 Film Appreciation (3) GE6

## **SOCIAL & BEHAVIORAL SCIENCES (3 Credits)**

### **□ Anthropology**

\_\_\_ ANT112 General Anthropology (3) † GE5

### **□ Criminal Justice**

\_\_\_ CJ 100 Intro to Criminal Justice (3) † GE5

\_\_\_ CJ 120 Juvenile Delinquency and Justice (3) GE5

### **□ Business**

\_\_\_ BUS101 Introduction to Business (3)

\_\_\_ BUS102 Personal Finance (3)

\_\_\_ BUS125 Human Resources (3)

\_\_\_ BUS127 Principles of Entrepreneurship I (3)

\_\_\_ BUS203 Macroeconomics (3) † GE5

\_\_\_ BUS204 Microeconomics (3) † GE5

### **□ Geography**

\_\_\_ GEO212 World Regional Geography (3) † GE5

### **□ Political Science**

\_\_\_ POL100 United States Government (3) † GE5

\_\_\_ POL101 Introduction to Political Science (3) † GE5

\_\_\_ POL115 State & Local Government (3) † GE5

### **□ Psychology**

\_\_\_ PSY101 General Psychology (3) † GE5

\_\_\_ PSY105 Industrial & Organizational Psychology (3)

\_\_\_ PSY205 Human Growth & Development (3) † GE5

### **□ Sociology**

\_\_\_ SOC101 General Sociology (3) † GE5

\_\_\_ SOC102 Marriage & the Family (3) † GE

\_\_\_ SOC104 Introduction to Social Work (3) † GE5

## **DEGREE REQUIREMENTS (53 credits)**

\_\_\_ @AUT101 Electrical I (3)

\_\_\_ @AUT121 Auto Electricity and Electronics (2)

\_\_\_ @AUT122 Brakes I (3)

\_\_\_ @AUT142 Automotive Tech Lab I (5)

**OR** \_\_\_ AUT142A Automotive Tech Lab I A (2)

**AND** \_\_\_ AUT142B Automotive Tech Lab I B (3)

\_\_\_ @AUT132 Engine Performance I (3)

\_\_\_ @AUT151 Heating and Air Conditioning (2)

\_\_\_ @AUT161 Suspension and Steering I (3)

\_\_\_ @AUT192 Automotive Tech Lab II (5)

**OR** \_\_\_ AUT192A Automotive Tech Lab II A (2)

**AND** \_\_\_ AUT192B Automotive Tech Lab II B (3)

\_\_\_ @AUT193 Hybrid and Fuel Cell Vehicles (1)

\_\_\_ @AUT201 Manual Drive Trains and Axles (2)

\_\_\_ @AUT211 Automatic Transmissions/Transaxles I (2)

\_\_\_ @AUT221 Engine Performance II (2)

\_\_\_ @AUT242 Automotive Tech Lab III (7)

**OR** \_\_\_ AUT242A Automotive Tech Lab III A (4)

**AND** \_\_\_ AUT242B Auto Tech Lab III B (3)

\_\_\_ @AUT251 Engine Repair (2)

\_\_\_ @AUT255 Automatic Transmissions/Transaxles II (1)

\_\_\_ @AUT261 Auto Service Management (2)

\_\_\_ @AUT281 Automotive Tech Lab IV (7)

**OR** \_\_\_ AUT281A Automotive Tech Lab IV A (4)

**AND** \_\_\_ AUT281B Auto Tech Lab IV B (3)

\_\_\_ @AUT291 Service Management Practicum (1)

## **MATHEMATICS OR SCIENCES (3 Credits)**

### **□ Mathematics**

\_\_\_ MAT102 Technical Math (3)

\_\_\_ MAT104 College Algebra (3) † GE3

\_\_\_ MAT108 Contemporary Math (3) † GE3

\_\_\_ MAT203 Basic Statistics (3) † GE3

### **□ Natural Sciences**

\_\_\_ BS 101 College Biology with lab (5) ) † GE4

\_\_\_ BS 104 Human Anatomy with lab (4) ) † GE4

\_\_\_ BS 105 Human Physiology with lab (4) ) † GE4

\_\_\_ BS 107 Intro to Environmental Sci. with lab (4) ) † GE4

\_\_\_ BS 110 Nutrition (3) ) † GE7

\_\_\_ BS 112 Nutrition for Health, Fitness & Sports w/Lab (5) GE7

\_\_\_ BS 201 General Zoology (5) GE7

\_\_\_ BS 202 General Botany with lab (5)

\_\_\_ BS 203 Microbiology with lab (5) ) † GE4

### **□ Physical Science**

\_\_\_ CHM107 General Chemistry with lab (5) ) † GE4

\_\_\_ CHM111 College Chemistry I with lab (5) ) † GE4

\_\_\_ CHM112 College Chemistry II with lab (5) ) † GE4

\_\_\_ CHM 210 Organic Chemistry I with lab (5)

\_\_\_ PS 101 College Physical Science with lab (5) † GE4

\_\_\_ PS 102 Concepts of Physics with lab (4)

\_\_\_ PS 104 Physical Geology with lab (4) † GE4

\_\_\_ PS 108 Astronomy with lab (4) ) † GE4

\_\_\_ PS 203 General Physics I with lab (5) ) † GE4

\_\_\_ PS 204 General Physics II with lab (5) ) † GE4

\_\_\_ PS 215 College Physics I with lab (5) ) † GE4

\_\_\_ PS 216 College Physics II with lab (5) ) † GE4

## **CERTIFICATIONS**

### **Automotive Service Excellence (ASE):**

\_\_\_ ASE Entry Level: all 8 ASE categories

\_\_\_ ASE G1 Professional Level Maintenance & Light Repair (Optional)

#### **Notes:**

@ indicates a degree requirement course that can be no more than 5 years old to count toward this AAS degree.

† This course is approved by the Kansas Board of Regents for System Wide Transfer (SWT) among all Kansas public postsecondary institutions offering an equivalent course. Additional courses may also be eligible for transfer. Please visit the Highland Registrar to learn more.