

Highland Community College  
**Engineering Graphics and Technologies**  
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

**Computer Literacy (3 Credits)~**

- \_\_\_ BUS130 Microcomputer Applications I (3) **TR**

~The three credit hours of Computer Literacy must have been completed within the past five years.

**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) **▶** <sub>GES</sub>

### **☐ Criminal Justice**

\_\_\_ CJ 100 Intro to Criminal Justice (3) **▶** <sub>GES</sub>

\_\_\_ CJ 120 Juvenile Delinquency and Justice (3) <sub>GES</sub>

### **☐ Business**

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

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

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

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

\_\_\_ BUS203 Macroeconomics (3) **▶** <sub>GES</sub>

\_\_\_ BUS204 Microeconomics (3) **▶** <sub>GES</sub>

### **☐ Geography**

\_\_\_ GEO212 World Regional Geography (3) **▶** <sub>GES</sub>

### **☐ Political Science**

\_\_\_ POL100 United States Government (3) **▶** <sub>GES</sub>

\_\_\_ POL101 Introduction to Political Science (3) **▶** <sub>GES</sub>

\_\_\_ POL115 State & Local Government (3) **▶** <sub>GES</sub>

### **☐ Psychology**

\_\_\_ PSY101 General Psychology (3) **▶** <sub>GES</sub>

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

\_\_\_ PSY205 Human Growth & Development (3) **▶** <sub>GES</sub>

### **☐ Sociology**

\_\_\_ SOC101 General Sociology (3) **▶** <sub>GES</sub>

\_\_\_ SOC102 Marriage & the Family (3) **▶** <sub>GE</sub>

\_\_\_ SOC104 Introduction to Social Work (3) **▶** <sub>GES</sub>

## **DEGREE REQUIREMENTS (56 credits)**

\_\_\_ @CAD101 Technical Drawing I (4)

\_\_\_ @CAD131 Computer Graphics I (5)

\_\_\_ @CAD151 Technical Drawing II (4)

\_\_\_ @CAD182 Computer Graphics II (5)

\_\_\_ @CAD201 Technical Drawing III (4)

\_\_\_ @CAD232B Computer Graphics III (2)

\_\_\_ @CAD251 Technical Drawing IV (4)

\_\_\_ @CAD282 Computer Graphics IV (5)

\_\_\_ @EGT106 Computer Numeric Control Concepts (3)

\_\_\_ @EGT186 Engineering Graphics Applications (2)

\_\_\_ @EGT206 Machining Processes (3)

\_\_\_ @EGT226 Computer CAD/CAM Operation (4)

\_\_\_ @MFT110 Blueprint Reading/Geometric (3)

\_\_\_ @MFT120 Precision Measurements (2)

\_\_\_ @MFT240 Precision Measurements II (2)

\_\_\_ @TCH100 OSHA 10 (1)

## **MATHEMATICS OR SCIENCES**

\*\*Math/Science Requirement fulfilled by degree requirements in the EGT program.

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.

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