

**South Seattle Community College**

## **Drafting/Engineering Technology**

### **Program Outcomes**

Students who successfully complete this program will show:

1. An ability to apply knowledge of mathematics and scientific principles to technical engineering/drafting problems. (SLO 2.1, 5.1)
2. An ability to analyze and interpret data. (SLO 7.1)
3. An ability to think critically in evaluating information, solving problems and making decisions. (SLO 4.1)
4. An ability to function on diverse, multi-disciplinary teams. (SLO 3.1)
5. An ability to access and evaluate information from a variety of sources including the Internet. (SLO 7.1)
6. An understanding of professional and ethical responsibility. (6.5)
7. An ability to communicate effectively with written, oral, and visual means. (SLO 1.2)
8. A recognition of the need for and an ability to engage in life-long learning. (SLO 6.1)
9. An ability to use modern technical engineering techniques, skills, and technology including computing tools necessary for technical engineering/drafting practice. (SLO 5.1)

## Drafting/Engineering Technology

### Student Learning Outcomes (SLO)

STUDENT LEARNING OUTCOMES are the knowledge and abilities every student graduating with a certificate or degree from South Seattle Community College will have. Students will achieve these outcomes as well as the specific curriculum outcomes for their academic or technical area of study.

#### **1. Communication**

- 1.1 Read and listen actively to learn and communicate.
- 1.2 Speak and write effectively for personal, academic and career purposes.

#### **2. Computation**

- 2.1 Use arithmetic and other basic mathematical operations as required by program of study.
- 2.2 Apply quantitative skills for personal, academic, and career purposes.
- 2.3 Identify, interpret and utilize higher level mathematical and cognitive skills (for those students who choose to move beyond the minimum requirements are stated above).

#### **3. Human Relations**

- 3.1 Use social interactive skills to work in groups effectively.
- 3.2 Recognize the diversity of cultural influences and values.

#### **4. Critical Thinking and Problem-Solving**

- 4.1 Think critically in evaluating information, solving problems and making decisions.

#### **5. Technology**

- 5.1 Select and use appropriate technological tools for personal, academic and career tasks.

#### **6. Personal Responsibility**

- 6.1 Be motivated and able to continue learning and adapt to change.
- 6.2 Value one's own skills, abilities, ideas and art.
- 6.3 Manage personal health and safety.
- 6.4 Be aware of civic and environmental issues.

#### **7. Information Literacy**

- 7.1 Access and evaluate information from a variety of sources and contexts, including technology.
- 7.2 Use information to achieve personal, academic, and career goals, as well as to participate in a democratic society.