

## **Professional Technical Studies**

### **PATHWAY: Manufacturing Process Development**

### **CLUSTER: Manufacturing**

#### **Customer Needs**

- Conducts in-depth investigation to identify customer needs
- Relates workers' skills to equipment management to set up equipment for the production process
- Inspects the product to verify that it meets specifications
- Checks for specified quantities and proper documentation to prepare a final product for shipping or distribution

#### **New Manufacturing Process**

- Creates standard operating procedures for new process
- Sets up and programs equipment for new processes

#### **Safety**

- Provides safety orientation to train other employees in safe practices and emergency procedures

#### **Quality Assurance Process**

- Performs periodic internal quality audit activities
- Inspects materials at all stages of process to determine quality or condition

#### **Communication Skills**

- Communicates production requirements and product specifications

#### **Facilitating Change**

- Analyzes data to identify potential problem
- Checks that final product meets customer and business needs

#### **New Product Development**

- Executes process to produce new product
- Solves production process problems

#### **Production Process**

- Develops production improvement goals
- Inspects product for deviations from customer and product standards