

**WORK WITH  
INDUSTRY  
LEADERS  
AND EXPERIENCE  
SPECIALIZED  
TRAINING**



**MANUFACTURING**  
Specialist High Skills Major

## STUDENTS IN SHSM

- Experience customized sector-specific training
- Connect their learning to the local community
- Explore future pathways opportunities

# MANUFACTURING

## Specialist High Skills Major

### THE FIVE COMPONENTS OF THIS SHSM PROGRAM

#### 1 REQUIRED CREDITS

- 4 Senior Manufacturing (Major) credits
- 2 Cooperative Education credits
- 1 Senior English credit
- 1 Senior Math credit
- 1 Senior Business, Science or additional Coop credit

#### 2 CERTIFICATIONS

- Cardiopulmonary Resuscitation (CPR) Level C - includes automated external defibrillation (AED)
- Standard First Aid
- Workplace Hazardous Materials
- Information System (WHMIS)
- Three (3) elective certifications

#### 3 SECTOR-PARTNER EXPERIENCE (SPE)

##### A ONE-DAY COMMUNITY INNOVATION CHALLENGE

In one of the following sector-delivered areas:

- Contextualized Coding
- Mathematical Literacy
- Innovation, Creativity and Entrepreneurship (ICE) Training

#### 4 EXPERIENTIAL LEARNING AND CAREER EXPLORATION ACTIVITIES

Students explore, observe, participate and reflect through planned activities. These take place outside of the regular classroom and relate to the SHSM economic sector.

#### 5 REACH AHEAD EXPERIENCES

Opportunities for students to experience their selected post-secondary pathway may include: attending a campus tour, interviewing a skilled trades-person, attending a conference or event, or completing a ministry-approved dual credit.

##### SHSM GRADUATES RECEIVE

- OSSD with embossed red seal
- SHSM Record Card
- SHSM completion recorded on their transcript

### POSSIBLE CAREER OPPORTUNITIES

- Welder
- Design and Drafting Technologist
- Machine Operator
- Production Engineer
- Technical Sales Specialist
- Precision Machinist
- Inventory Analyst
- Mechanical Engineering Technologist
- Construction Millwright
- Industrial Mechanic
- Machining and Tool Inspector
- Tool and Die Maker
- Chemical Technologist and Technician
- Drafting Technologist and Technician
- Purchasing Agent
- Mechanical Engineer
- Metallurgical and Materials Engineer
- Motor Vehicle Assembler, Inspector, Tester

### CONTACT YOUR GUIDANCE DEPARTMENT FOR MORE INFORMATION



A PROGRAM FOR GRADES 11&12 STUDENTS IN THE APPRENTICESHIP, COLLEGE, UNIVERSITY AND WORKPLACE PATHWAYS

