

SHSM

SPECIALIST HIGH SKILLS MAJOR

REQUIREMENTS CHEAT SHEET



1

REQUIRED CREDITS

(Bundle of Credits)

- 4 Energy major credits (Gr. 11 & 12)
- 1 English credit (Gr. 11 or 12)
- 1 Math credit (Gr. 11 or 12)
- 1 Business studies or Canadian and world studies or Science or an additional Co-op credit (Gr. 11 or 12)
- 2 Cooperative education credits (Gr. 11 or 12)

Energy

2

CERTIFICATION WORKSHOPS

(Sector-recognized certifications & training)

COMPULSORY

Must complete the following:

- Cardiopulmonary Resuscitation (CPR) Level C- includes automated external defibrillation (AED)
- Standard First Aid
- Workplace Hazardous Materials Information System (WHMIS) - generic (i.e., not site-specific) instruction

ELECTIVES

Must complete three (or more) of the following:

- | | |
|---|---|
| <input type="checkbox"/> Advanced training in a technique | <input type="checkbox"/> Hazardous materials |
| <input type="checkbox"/> Advanced training in a technology | <input type="checkbox"/> Health & safety -basic |
| <input type="checkbox"/> Alternative energy | <input type="checkbox"/> Hoisting & rigging |
| <input type="checkbox"/> Anti-oppression & allyship training | <input type="checkbox"/> Infection control |
| <input type="checkbox"/> Basic electrical safety | <input type="checkbox"/> Ladder safety training |
| <input type="checkbox"/> Compass/map/global positioning system (GPS) | <input type="checkbox"/> Leadership skills |
| <input type="checkbox"/> Computer-aided design and computer-aided manufacturing (CAD/CAM) | <input type="checkbox"/> Lockout/tagging |
| <input type="checkbox"/> Confined space awareness | <input type="checkbox"/> Ozone-depletion prevention |
| <input type="checkbox"/> Customer service | <input type="checkbox"/> Pipeline construction safety |
| <input type="checkbox"/> Elevated work platforms | <input type="checkbox"/> Portfolio development |
| <input type="checkbox"/> Energy efficiency | <input type="checkbox"/> Project management |
| <input type="checkbox"/> Ergonomics | <input type="checkbox"/> Radiation safety |
| <input type="checkbox"/> Fall protection | <input type="checkbox"/> Renewable energy |
| <input type="checkbox"/> Fire safety & fire extinguisher use | <input type="checkbox"/> Sector-specific software 1 |
| <input type="checkbox"/> First aid/CPR/AED awareness | <input type="checkbox"/> Sector-specific vehicle operation & safety |
| <input type="checkbox"/> Geographic information system (GIS) | <input type="checkbox"/> Trenching safety |
| | <input type="checkbox"/> Watershed management |
| | <input type="checkbox"/> Working at heights |

3

EXPERIENTIAL LEARNING

(And career exploration activities)

Do at least one. Examples?

- Job Shadowing
- 1-2 Weeks in the field
- Other unique experiences

4

REACH AHEADS

(Experiences to try out your path)

Attend at least one. Examples?

- Career panel or speaker
- Interview with current students or employees
- Campus or job site visit

5

SECTOR-PARTNERED EXPERIENCE (SPE)

(Industry-relevant activities)

Do at least one of these trainings:

- Industry-relevant coding
- Industry-relevant mathematical literacy
- I.C.E. (Innovation, Creativity, & Entrepreneurship) Training

