

Computer Technology

OVERALL EXPECTATIONS:

By the end of this course, students will:

- D1.** demonstrate an understanding of relevant safety practices, standards, and legislation.

Specific Expectations:

By the end of this course, students will:

- D1.1** comply with relevant industry practices, standards, and related legislation to ensure workplace safety (e.g., standards and regulations specified in the Workplace Hazardous Materials Information System [WHMIS] and the Electrical Safety Code; grounding and enclosure standards for electrical circuits; ergonomically sound workplace arrangements and practices);
- D1.2** describe and use appropriate equipment, techniques, and strategies to avoid health and safety problems associated with computer use (e.g., back injuries from improper lifting of heavy equipment, repetitive strain injuries, eye strain).

Technological Safety Checklist

Computer Technology	Comments
<ul style="list-style-type: none">• Sufficient and appropriate personal protective equipment (PPE) such as safety glasses, ear protection or latex gloves for handling chemicals is available for all students.• PPE is in good condition (e.g., safety-glass lenses are not scratched or deformed).• Safety glasses are stored in an organized fashion (i.e., not left randomly in a bin).• All materials or chemicals that are stored in secondary containers are clearly identified, as per WHMIS requirements.• Aprons or shop coats are clean and well organized so students are encouraged to wear them.• Appropriate safety posters or notices that remind students of the use of PPE, health and safety regulations, possible hazards, or safeguards and precautions are prominently displayed.• Students and the instructor are dressed appropriately for working safely (e.g., sleeves are not rolled up, no rings or loose jewelry).• Good housekeeping practices are evident e.g., the room is well-organized, there are no trip hazards, exits are clearly marked and clear of obstructions, the facility is clean and inviting, breaker panels and emergency cut-offs are accessible, etc.• Tools are organized and neatly stored.• Circuit board etching tanks are properly vented.	

Computer Technology: Sample Student Safety Passport

Student's Name _____ Class and Year _____

Equipment	Date Competency Display	Student Signature	Teacher Signature
<p>The student is able to safely work on CPU's and peripheral systems wearing safety glasses</p> <ul style="list-style-type: none"> • making sure the equipment is switched "OFF" before connecting the power supply • disconnecting electrical supply to the instrument before changing a bulb, making adjustments or relocating • inspecting instruments before using them and replacing burned out bulbs, frayed cords, switches and loose electrical plugs. • using appropriate gauge wire and CSA approved products. • installing bulbs that are appropriate for the instrument • keeping hands away from a hot instrument (e.g., by wearing gloves when removing and replacing bulbs) • using two hands to position and focus the instrument • keeping all cords clear of traffic areas during use. • ensuring hands and floor are dry before touching lighting equipment. • disconnecting electrical source before attempting to remove or protect wet lighting equipment. 			
<p>The student handles wire cutters in a safe and efficient manner.</p>			
<p>The student works at soldering stations in a safe and efficient manner.</p>			
<p>The student follows the appropriate precautions when handling hazardous chemicals used in the etching of circuit boards.</p>			