

**COMPETENCY ANALYSIS PROFILE**  
**Cabinetmaker – 438A**

*(All unshaded skill sets must be demonstrated/completed)*

|   |  |   |  |   |                                  |
|---|--|---|--|---|----------------------------------|
| <b>PROTECT SELF AND OTHERS</b><br><br><b>6120.0</b>                                   | Comply with acts, regulations, codes, standards and directives | Identify health and safety hazards in the workplace                 | Use personal protective equipment                  | Maintain personal protective equipment    | Practice safe work habits        |
|   | 6120.01  | 6120.02   | 6120.03  | 6120.04                                   | 6120.05                          |
|   | Follow company or worksite fire procedures                     | Use emergency safety equipment                                      | Practice good housekeeping in the workplace        | Handle designated substances              | Lift and carry materials         |
| 6120.06   | 6120.07  | 6120.08   | 6120.09  | 6120.10                                   |                                  |
| Conduct pre-operational check of equipment  | Report injuries to supervisor or first aid personnel           | Employ simple first aid relating to illness and occupational injury | Lock out, tag and de-energize mechanical equipment | Control dust and toxic material emissions |                                  |
| 6120.11   | 6120.12  | 6120.13   | 6120.14  | 6120.15                                   |                                  |
| <b>INTERPRET DRAWINGS, PREPARE SKETCHES, AND PERFORM COSTING</b><br><br><b>6121.0</b> | Interpret shop or technical drawings and specifications        | Prepare sketches and drawings                                       | Calculate cost of finished product                 | Assess job site conditions                | Calculate finishing requirements |
|   | 6121.01  | 6121.02   | 6121.03  | 6121.04                                   | 6121.05                          |
| Prepare documentation   | Prepare a job estimate report                                  | Cost out a simple unit  | Integrate cabinet structural requirements          | Select Fasteners and Hardware             |                                  |
| 6121.06   | 6121.07  | 6121.08   | 6121.09  | 6121.10                                   |                                  |
| <b>SELECT LUMBER AND OTHER RAW MATERIALS</b><br><br><b>6122.0</b>                     | Select lumber  | Select panel products   | Select veneers                                     | Select plastic laminates                  | Store materials                  |
|   | 6122.01  | 6122.02   | 6122.03  | 6122.04                                   | 6122.05                          |

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| <b>USE AND MAINTAIN TOOLS AND EQUIPMENT</b><br><br><b>6123.0</b>                                     | Select hand tools and attachments<br><br>6123.01                  | Use hand tools and attachments<br><br>6123.02          | Maintain hand tools and attachments<br><br>6123.03    | Select portable power tools and attachments<br><br>6123.04                             | Use portable power tools and attachments<br><br>6123.05 |
|  | Maintain portable power tools and attachments<br><br>6123.06      | Select stationary power equipment<br><br>6123.07       | Use stationary power equipment<br><br>6123.08         | Maintain stationary power equipment and compressed air systems<br><br>6123.09          |   |
| <b>CREATE AND USE JIGS, FIXTURES AND TEMPLATES</b><br><br><b>6124.0</b>                              | Identify the need for jigs, fixtures and templates<br><br>6124.01 | Design jigs, fixtures and templates<br><br>6124.02     | Construct jigs, fixtures and templates<br><br>6124.03 | Test, adjust and verify jigs, fixtures, templates, parts and components<br><br>6124.04 | Use and layout template<br><br>6124.05                  |
| <b>OPERATE AND MAINTAIN BREAK- OUT MACHINERY AND PANEL PROCESSING EQUIPMENT</b><br><br><b>6125.0</b> | Use solid-wood break-out machinery<br><br>6125.01                 | Maintain solid-wood break-out machinery<br><br>6125.02 | Use panel-sizing equipment<br><br>6125.03             | Maintain panel-sizing equipment<br><br>6125.04   | Remove lumber material defects<br><br>6125.05           |
|  | Set up and assemble tooling<br><br>6125.06                        | Monitor tooling performance<br><br>6125.07             | Glue up panels<br><br>6125.08                         | Evaluate machining quality<br><br>6125.09  |   |

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| <b>OPERATE AND MAINTAIN EQUIPMENT FOR VENEER, NON-WOOD LAMINATE, POLYMER AND SPECIALTY OVERLAY APPLICATION</b><br><br><b>6126.0</b> | Select veneer material and core material<br><br>6126.01               | Set up veneer equipment<br><br>6126.02  | Operate veneer equipment<br><br>6126.03   | Maintain veneer equipment<br><br>6126.04                                | Select non-wood laminates and core material<br><br>6126.05   |
|   | Cut non-wood laminate core to rough size<br><br>6126.06               | Glue non-wood laminate to core with adhesive<br><br>6126.07                   | Trim non-wood laminate<br><br>6126.08   | Select specialty overlay material and core<br><br>6126.09               | Bond specialty overlay to core with adhesive<br><br>6126.10  |
|   | Trim specialty overlay<br><br>6126.11                                 | Select solid polymers<br>Fabricate solid polymers<br><br>6126.12              | Fabricate solid polymers<br><br>6126.13   |   |  |
| <b>PERFORM FINISH MACHINING</b><br><br><b>6127.0</b>  | Identify machinery requirements such as types of joint<br><br>6127.01 | Lay-out or detail parts and label orientation<br><br>6127.02                  | Select and operate traditional, complex and computerized machinery<br><br>6127.03 | Prepare solid wood and solid polymers prior to machining<br><br>6127.04 | Cut materials such as solid wood, veneers, non-wood laminates, specialty overlays, and solid polymers<br><br>6127.05 |
|   | Identify the need for servicing, removing, replacing<br><br>6127.06   | Fabricate machine jigs, fixtures, patterns, forms or templates<br><br>6127.07 | Maintain the efficient organization<br><br>6127.08                                |   |  |
| <b>PERFORM SANDING</b><br><br><b>6128.0</b>   | Select sanding machines<br><br>6128.01                                | Set up sanding machines<br><br>6128.02  | Operate sanding machines<br><br>6128.03   | Maintain sanding machines<br><br>6128.04                                | Select abrasive belts<br><br>6128.05   |
|   | Set-up abrasive belts<br><br>6128.06                                  | Operate abrasive belts<br><br>6128.07   | Maintain abrasive belts<br><br>6128.08  | Produce mould blocking<br><br>6128.09                                   | Sand component parts<br><br>6128.10  |

## CABINETMAKER

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| <b>PERFORM SUB-ASSEMBLY, ASSEMBLY, and PRE-FINISH OPERATIONS</b><br><br><b>6129.0</b> | Select adhesives for application to cabinet components<br><br>6129.01                                | Apply adhesives to cabinet components<br><br>6129.02  | Select fastening devices<br><br>6129.03   | Arrange and use fastening devices<br><br>6129.04                                | Maintain fastening devices<br><br>6129.05             |
|   | Design sub-assembly and assembly jigs and fixtures for curved and irregular form work<br><br>6129.06 | Construct sub-assembly and assembly jigs and fixtures for curved and irregular form work<br><br>6129.07 | Apply sub-assembly and assembly jigs and fixtures for curved and irregular form work<br><br>6129.08 | Select/collect appropriate or specified hardware<br><br>6129.09                 | Install hardware and fasteners and fit<br><br>6129.10 |
|   | Perform pre-finish operations<br><br>6129.11   | Inspect and clean plastic laminate<br><br>6129.12   | Make curved components using methods<br><br>6129.13   |   |   |
| <b>PERFORM FINISHING OR RE-FINISHING OPERATIONS</b><br><br><b>6130.0</b>              | Create a structured finishing procedure<br><br>6130.01   | Construct a control step-panel<br><br>6130.02   | Select finishing materials<br><br>6130.03   | Mix finishing materials<br><br>6130.04  | Apply finishing materials<br><br>6130.05              |
|   | Polish the finish<br><br>6130.06   | Maintain finishing equipment<br><br>6130.07   |   |   |   |
| <b>PERFORM SPECIALIZED OPERATIONS</b><br><br><b>6131.0</b>                            | Build stairs and balustrades<br><br>6131.01  | Machine stair and balustrade components<br><br>6131.02  | Assemble stairs and balustrades<br><br>6131.03  | Restore and refinish cabinetry or millwork to original condition<br><br>6131.04 | Create decorative woodwork<br><br>6131.05             |
|   | Operate CNC equipment<br><br>6131.06   | Install glass, mirror and decorative panels<br><br>6131.07  |   |   |   |

|  |                                |   |                                  |  |  |
|--|--------------------------------|---|----------------------------------|--|--|
| <b>PERFORM POST-FINISHING OPERATIONS</b> | Install fasteners and hardware | Assess finished product for quality assurance | Package the product for shipping |  |  |
| <b>6132.0</b>                            | 6132.01                        | 6132.02                                       | 6132.03                          |  |  |

|                                       |   |  |                                |                                  |  |
|---------------------------------------|---|--|--------------------------------|----------------------------------|--|
| <b>INSTALL CABINETRY AND MILLWORK</b> | Protect site and woodwork before, during and after installation | Modify cabinetry and millwork to site conditions | Install architectural millwork | Install cabinets and countertops |  |
| <b>6133.0</b>                         | 6133.01   | 6133.02  | 6133.03                        | 6133.04                          |  |