

Welcome to the Harrison Career Navigator! The Harrison Career Navigator is a valuable tool for starting, changing, or developing your career. It measures 175 factors including your task preferences, motivations, work environment preferences, interests, and interpersonal preferences. The system can compare your preferences to 682 careers and determine your most enjoyable careers. Please note this is not an assessment of your education, experience, or ability to perform specific tasks. You will need to consider these things separately.

Your careers are listed in order of enjoyment. The enjoyment scores are to the left of each career. The highest possible enjoyment score is 100. A score of 80 or greater indicates the career matches your preferences, but it does not necessarily mean you should pursue that career. There may be other factors such as education, training, or specific aspects of the career you may dislike.

Our research has shown that people who enjoy at least 75% of their job are much more likely to succeed in that job. Therefore, enjoying your career is not only important for your happiness, it is also important for your success.

A career decision is one of the most important decisions of your life. Therefore, it is important to take your time and explore the valuable information you can obtain from the Harrison Career Guide system. You can also look up the careers on the web or find a career counsellor or school counsellor to provide you with more information about that career. You could also contact professional organizations related to the career or call employers who advertise for openings related to this career. For further information about careers and training in Australia you can explore the following websites: [www.myfuture.gov.au](http://www.myfuture.gov.au) ; <http://www.jobguide.deewr.gov.au/> ; [www.joboutlook.gov.au](http://www.joboutlook.gov.au) For information about VET courses, apprenticeships and traineeships visit: [www.myskills.gov.au](http://www.myskills.gov.au). For information about salaries go to: [www.fairwork.gov.au](http://www.fairwork.gov.au). Job search websites such as [www.jobsearch.gov.au](http://www.jobsearch.gov.au); [www.seek.com.au](http://www.seek.com.au); [www.careerone.com.au](http://www.careerone.com.au); and [www.mycareer.com.au](http://www.mycareer.com.au) provide current job listings. You can also find useful career, training and job information from industry associations, universities, and employer websites. The following websites might be helpful for: Mature age job seekers, [www.employment.gov.au/experience-plus](http://www.employment.gov.au/experience-plus); Indigenous job seekers, [www.australia.gov.au/topics/employment-and-workplace/employment-services-and-jobs/indigenous-employment-and-jobs](http://www.australia.gov.au/topics/employment-and-workplace/employment-services-and-jobs/indigenous-employment-and-jobs); Careers in Government: [www.australia.gov.au/topics/ict-graduate-program](http://www.australia.gov.au/topics/ict-graduate-program) (Information and Communications Technology (ICT) jobs); [www.apsjobs.gov.au](http://www.apsjobs.gov.au) (Australian Public Service jobs); [www.defencejobs.gov.au](http://www.defencejobs.gov.au) (Australian Defence Force jobs).

The questionnaire includes a technological 'consistency detector' that indicates the reliability of results by analysing the consistency of the answers on the questionnaire. Your consistency score is 11 which indicates that you were 82.2% consistent in answering the questionnaire. This indicates a high likelihood that you were truthful, accurately self-aware, and able to concentrate on the questionnaire.

Disclaimer: This report is based on more than 20 years of research and applied application in more than 60 countries. Although the algorithms that derive the information in the reports have proven to be accurate, every statement or score is not necessarily correct. This information is intended to be used to stimulate self-reflection regarding your career. Career decisions should be based on local information and your own self-reflection. Harrison Assessments Int'l, and its associated companies do NOT accept any liability of any kind including negligence related to the accuracy or the use of this information.

### Displays careers that could require a Doctorate degree

#### Education

- (70.8%) **Primary School Principal:** Develop and maintain course and curriculum content pertaining to degree-granting programs and/or other educational services; Develop learning objectives in conjunction with interested parties such as educational authorities, students or employer bodies. Evaluate educational programming, observe shortcomings, duplication or misalignment of content with learning objectives and amend content accordingly. Conduct ongoing evaluation of educational programs.

#### Healthcare

- (78.3%) **Psychiatrist:** Diagnose mental, emotional and behavioural disorders and prescribe medication, or administer psychotherapeutic treatments to treat disorders. Analyse and evaluate patient data and test or examination findings to diagnose nature and extent of mental disorder, as well as gather and maintain patient information and records. Prescribe, direct and administer psychotherapeutic treatments or medications to treat mental, emotional or behavioural disorders. Teach, conduct research, and publish findings to increase understanding of mental, emotional, behavioural states and disorders.
- (75.0%) **Counselling Psychologist:** Analyse data such as interview notes, test results, and reference manuals to identify symptoms and to diagnose the nature of clients' problems. Provide individual or group counselling services to assist individuals in achieving more effective personal, social, educational and vocational development and adjustment. Evaluate the results of counselling methods to determine the reliability and validity of treatments. Develop therapeutic and treatment plans based on clients' interests, abilities and needs.
- (73.3%) **Traditional Chinese Medicine Practitioner:** Analyse physical findings and medical histories to make diagnoses according to Oriental medicine traditions. Treat patients using tools such as needles, cups, herb diet, exercise and lifestyle adjustments. Develop individual treatment plans and strategies. Evaluate treatment outcomes and recommend new or altered treatments as necessary to promote health.
- (72.6%) **Chiropractor:** Assess, treat and care for patients by manipulation of spine and musculoskeletal system. Diagnose health problems by reviewing patients' health and medical histories, questioning, observing, and examining patients and interpreting X-rays. Perform a series of manual adjustments to the spine or other articulations of the body to correct the musculoskeletal system. Maintain accurate case histories of patients.
- (71.9%) **Orientation & Mobility Therapist:** Train blind and visually-impaired clients in the techniques of daily living to maximize independence and personal adjustment. Teach clients personal skills (e.g. eating, grooming, dressing and use of bathroom facilities); home management skills (e.g. cooking, coin & money identification); communication skills (e.g. use of telephone). Teach clients to read and write Braille. Administer assessment tests to clients to determine present and required or desired orientation and mobility skills.
- (71.7%) **Clinical Psychologist:** Identify psychological, emotional or behavioural issues and diagnose disorders, using information obtained from interviews, tests, records and reference materials. Develop and implement individual treatment plans, specifying type, frequency, intensity and duration of therapy. Interact with clients to assist them in gaining insight, defining goals and planning action to achieve effective personal, social, educational and vocational development and adjustment. Write reports on clients and maintain required paperwork.
- (70.1%) **Dietician:** Counsel individuals and groups on basic rules of good nutrition, healthy eating habits and nutrition monitoring to improve their quality of life. Consult with physicians and health-care personnel to determine nutritional needs and diet restrictions of patient or client. Monitor food service operations to ensure conformance to nutritional, safety, sanitation and quality standards. Organize, develop, analyse, test and prepare special meals such as low-fat, low-cholesterol meals.

### Displays careers that could require a Master's degree

#### Education

- (70.8%) **Primary School Principal:** Develop and maintain course and curriculum content pertaining to degree-granting programs and/or other educational services; Develop learning objectives in conjunction with interested parties such as educational authorities, students or employer bodies. Evaluate educational programming, observe shortcomings, duplication or misalignment of content with learning objectives and amend content accordingly. Conduct ongoing evaluation of educational programs.

#### Healthcare

- (79.2%) **Psychiatric Nurse:** Provide nursing care to mentally ill, emotionally disturbed or mentally retarded patients. Participate in rehabilitation and treatment programs, and help with personal hygiene. Administer oral medications and hypodermic injections, following physician's prescriptions and hospital procedures. Monitor patient's physical and emotional well-being and report to medical staff. Take and record measures of patient's general physical condition, such as pulse, temperature and respiration, to provide daily information. Lead prescribed individual or group-therapy sessions as part of specific therapeutic procedures.
- (75.0%) **Counselling Psychologist:** Analyse data such as interview notes, test results, and reference manuals to identify symptoms and to diagnose the nature of clients' problems. Provide individual or group counselling services to assist individuals in achieving more effective personal, social, educational and vocational development and adjustment. Evaluate the results of counselling

### Healthcare

- methods to determine the reliability and validity of treatments. Develop therapeutic and treatment plans based on clients' interests, abilities and needs.
- (74.5%) **Physician's Assistant:** Provide patient services under direct supervision and responsibility of doctor of medicine or osteopathy. Administer or order diagnostic tests such as x-ray, electrocardiogram and laboratory tests. Compile patient medical data including health history and results of physical examination. Interpret diagnostic test results for deviations from normal. Counsel patients regarding prescribed therapeutic regimens, normal growth and development, family planning, emotional problems of daily living and health maintenance.
  - (73.3%) **Traditional Chinese Medicine Practitioner:** Analyse physical findings and medical histories to make diagnoses according to Oriental medicine traditions. Treat patients using tools such as needles, cups, herb diet, exercise and lifestyle adjustments. Develop individual treatment plans and strategies. Evaluate treatment outcomes and recommend new or altered treatments as necessary to promote health.
  - (72.1%) **Medical Device Design Specialist:** Plan, design and develop medical device components. Develop product designs and prototype from concepts and/or specifications. Support documentation and prototype fabrication of designed products. Contribute inventions, new designs or techniques.
  - (71.9%) **Orientation & Mobility Therapist:** Train blind and visually-impaired clients in the techniques of daily living to maximize independence and personal adjustment. Teach clients personal skills (e.g. eating, grooming, dressing and use of bathroom facilities); home management skills (e.g. cooking, coin & money identification); communication skills (e.g. use of telephone). Teach clients to read and write Braille. Administer assessment tests to clients to determine present and required or desired orientation and mobility skills.
  - (70.9%) **Adult Day Care Worker:** Provide a variety of health services to elderly or disabled patients of an adult day care facility. Consult with new patients and assess health needs; work with caregivers to create a schedule of required services including transportation to external health-care facilities. Coordinate health screening and monitoring, educational programs, counseling and rehabilitative services, adhering to state and national standards and guidelines. Schedule internal and external medical staff for the facility.
  - (70.9%) **Social Worker:** Counsel and aid individuals and families with problems relating to personal and family adjustments, finances, employment, food, clothing, housing or other human needs and conditions. Interview individuals to assess social and emotional capabilities, physical and mental impairments, and financial needs. Lead group counselling sessions to provide support in such areas as grief, stress or chemical dependency. Serve as liaison between student, home, school, family service agencies, child guidance clinics, courts, protective services, doctors and clergy members. Maintain case history records and prepares reports.
  - (70.1%) **Dietician:** Counsel individuals and groups on basic rules of good nutrition, healthy eating habits and nutrition monitoring to improve their quality of life. Consult with physicians and health-care personnel to determine nutritional needs and diet restrictions of patient or client. Monitor food service operations to ensure conformance to nutritional, safety, sanitation and quality standards. Organize, develop, analyse, test and prepare special meals such as low-fat, low-cholesterol meals.

### Human Resources

- (71.7%) **Employee Coaching or Counselling Specialist:** Coach employees to increase performance. Help employees with personal problems. Interact with managers to help them coach more effectively.

### Services - Personal & Home

- (77.2%) **Career Counsellor:** Advise youth to assist them in in developing their educational and vocational objectives, as well as helping them understand and overcome personal and social problems. Collect and evaluate information about youths' abilities, interests and personality characteristics, using records, tests and interviews. Compile and study occupational, educational and economic information to assist youth in making and carrying out vocational and educational objectives.

## Displays careers that could require a Bachelor's degree

### Healthcare

- (79.2%) **Psychiatric Nurse:** Provide nursing care to mentally ill, emotionally disturbed or mentally retarded patients. Participate in rehabilitation and treatment programs, and help with personal hygiene. Administer oral medications and hypodermic injections, following physician's prescriptions and hospital procedures. Monitor patient's physical and emotional well-being and report to medical staff. Take and record measures of patient's general physical condition, such as pulse, temperature and respiration, to provide daily information. Lead prescribed individual or group-therapy sessions as part of specific therapeutic procedures.
- (76.1%) **Medical Assistant:** Interview patients to obtain medical information and measure their vital signs, weight and height. Help physicians examine and treat patients, handing them instruments or materials, or performing such tasks as giving injections or removing sutures. Record patients' medical history, vital statistics or information such as test results, in medical records. Collect blood, tissue or other laboratory specimens; log the specimens and prepare them for testing.
- (75.2%) **Pharmacy Assistant:** Record drugs delivered to the pharmacy, store incoming merchandise and inform the supervisor of stock needs. Greet customers and help them locate merchandise, answer telephone inquiries, referring callers to pharmacist when necessary. Maintain and clean equipment, work areas or shelves and restock storage areas, replenishing items on shelves.

### Healthcare

- Perform clerical tasks, such as filing, compiling and maintaining prescription records, or composing.
- (74.5%) **Physician's Assistant:** Provide patient services under direct supervision and responsibility of doctor of medicine or osteopathy. Administer or order diagnostic tests such as x-ray, electrocardiogram and laboratory tests. Compile patient medical data including health history and results of physical examination. Interpret diagnostic test results for deviations from normal. Counsel patients regarding prescribed therapeutic regimens, normal growth and development, family planning, emotional problems of daily living and health maintenance.
- (73.3%) **Traditional Chinese Medicine Practitioner:** Analyse physical findings and medical histories to make diagnoses according to Oriental medicine traditions. Treat patients using tools such as needles, cups, herb diet, exercise and lifestyle adjustments. Develop individual treatment plans and strategies. Evaluate treatment outcomes and recommend new or altered treatments as necessary to promote health.
- (72.1%) **Medical Device Design Specialist:** Plan, design and develop medical device components. Develop product designs and prototype from concepts and/or specifications. Support documentation and prototype fabrication of designed products. Contribute inventions, new designs or techniques.
- (71.4%) **Optometric & Ophthalmic Technician:** Test and measure eye function to assist with diagnosis and treatment of disease. Instruct patient in eye care and use of glasses or contact lens. Examine, test and measure patient's visual acuity, peripheral vision, depth perception, focus, ocular movement and colour as requested by physician. Apply drops to anesthetize, dilate or medicate eyes.
- (70.9%) **Adult Day Care Worker:** Provide a variety of health services to elderly or disabled patients of an adult day care facility. Consult with new patients and assess health needs; work with caregivers to create a schedule of required services including transportation to external health-care facilities. Coordinate health screening and monitoring, educational programs, counseling and rehabilitative services, adhering to state and national standards and guidelines. Schedule internal and external medical staff for the facility.
- (70.9%) **Social Worker:** Counsel and aid individuals and families with problems relating to personal and family adjustments, finances, employment, food, clothing, housing or other human needs and conditions. Interview individuals to assess social and emotional capabilities, physical and mental impairments, and financial needs. Lead group counselling sessions to provide support in such areas as grief, stress or chemical dependency. Serve as liaison between student, home, school, family service agencies, child guidance clinics, courts, protective services, doctors and clergy members. Maintain case history records and prepares reports.
- (70.7%) **Registered Nurse:** Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent or disabled patients. Provides health care, first aid and immunization in facilities such as schools, hospitals and industry, and records patient's medical information and vital signs. Prepare patients for and assists with examinations, and orders, interprets and evaluate diagnostic tests to identify and assess patient's condition. Instruct on topics such as health education, disease prevention, child birth and home nursing, and develops health improvement programs.
- (70.5%) **Paramedic:** Paramedics provide pre-hospital emergency care, treatment and specialised transport for patients. Paramedics work in teams and in shifts, and in all kinds of weather conditions. They are required to assist at a range of incidents, including motor vehicle accidents and medical emergencies inside and outside domestic premises, building sites and public areas. They may work in confined spaces, such as under vehicles and buildings, and at sites of hazardous material accidents, such as fires and chemical spills. They work closely with members of other emergency services such as firefighters, police, and state emergency workers. Paramedics may perform the following tasks: •drive ambulances to sites of medical emergencies and accidents that may require the administration of advanced life support •lift and place patients on stretchers, load the stretchers into ambulances and transport patients to hospital •assess and treat patients at the site and on the way to hospital •administer pain-relieving drugs and replace fluids, often by inserting tubes into veins •prepare patient care records and other written reports on the state of patients' injuries and the treatment provided •attend public gatherings, such as large sporting events, where accidents or other health emergencies may occur •provide routine transport for patients between home and hospital (for patients requiring further treatment or specialised treatment such as occupational therapy and chemotherapy, for example) •perform daily vehicle and equipment checks, making sure that medical supplies (including drugs) are accounted for and that equipment and ambulances are in good working order. Personal requirements: •able to remain calm and control emotions in stressful situations •able to think clearly and act quickly •good level of health and fitness •good analytical and problem-solving skills •able to work alone and as part of a team •able to follow instructions and guidelines •good communi
- (70.1%) **Dietician:** Counsel individuals and groups on basic rules of good nutrition, healthy eating habits and nutrition monitoring to improve their quality of life. Consult with physicians and health-care personnel to determine nutritional needs and diet restrictions of patient or client. Monitor food service operations to ensure conformance to nutritional, safety, sanitation and quality standards. Organize, develop, analyse, test and prepare special meals such as low-fat, low-cholesterol meals.

### Human Resources

- (71.7%) **Employee Coaching or Counselling Specialist:** Coach employees to increase performance. Help employees with personal problems. Interact with managers to help them coach more effectively.

### Manufacturing - Consumer Goods (Except Food)

- (70.1%) **Jeweller:** Create jewellery from materials such as gold, silver, platinum and precious or semiprecious stones. Make repairs, such as enlarging or reducing ring sizes, and replacing broken clasps and mountings. Clean and polish metal items and jewellery pieces. Select and acquire metals and gems for designs.

### Services - Personal & Home

- (77.2%) **Career Counsellor:** Advise youth to assist them in developing their educational and vocational objectives, as well as helping them understand and overcome personal and social problems. Collect and evaluate information about youths' abilities, interests and personality characteristics, using records, tests and interviews. Compile and study occupational, educational and economic information to assist youth in making and carrying out vocational and educational objectives.
- (72.6%) **Human Services Worker:** Assist in providing client services in a wide variety of fields, such as psychology, rehabilitation, or social work, including support for families. May assist clients in identifying and obtaining available benefits and social and community services. May assist social workers with developing, organizing and conducting programs to prevent and resolve problems relevant to substance abuse, human relationships, rehabilitation or dependent care. Keep records or prepare reports for owner or management concerning visits with clients.

## Displays careers that could require VET Certificate IV / Diploma / Advanced Diploma

### Basic Materials

- (70.6%) **Gem and Diamond Technician:** Fabricate, finish or evaluate the quality of gems and diamonds used in jewellery or industrial tools. Examine gems during processing to ensure accuracy of angles and positions of cuts or bores. Assign polish, symmetry and clarity grades to stones, according to established grading systems. Estimate wholesale and retail value of gems, following pricing guides, market fluctuations and other relevant economic factors.

### Construction and Related Manufacturing

- (82.0%) **Fibreglass Production Specialist:** Laminate layers of fibreglass on molds to form boat decks and hulls, bodies for golf carts, automobiles or other products. Mix catalysts into resins to saturate cloth and mats; spray chopped fibreglass, resins and catalysts onto prepared molds or dies. Repair or modify damaged or defective glass-fibre parts. Check completed products for conformance to specifications.
- (81.4%) **Electrician:** Install, maintain, and repair electrical wiring, equipment and fixtures. Test electrical systems or continuity of circuits in electrical wiring, equipment or fixtures, using testing devices, such as ohmmeters, voltmeters or oscilloscopes, to ensure compatibility and safety of system. Diagnose malfunctioning systems, apparatus or components, using test equipment and hand tools to locate the cause of a breakdown and correct the problem. Construct and fabricate parts, using hand tools and specifications.
- (81.4%) **Heating and Air Conditioning Mechanic:** Install, service or repair heating and air conditioning systems, in residences or commercial establishments. Repair or replace defective equipment, components or wiring. Test electrical circuits or components for continuity. Test pipe or tubing joints or connections for leaks. Reassemble and test equipment following repairs.
- (81.4%) **Waterproofing Machine Operator:** Set up, operate, or tend plating or coating machines to coat metal or plastic products with chromium, zinc, copper, cadmium, nickel or other metal to protect or decorate surfaces. Immerse objects to be coated or plated into cleaning solutions, or spray objects with conductive solutions to prepare them for plating. Remove objects from solutions at periodic intervals and observe objects to verify conformance to specifications. Monitor and measure thicknesses of electroplating on component parts in order to verify conformance to specifications, using micrometers.
- (79.5%) **Sheet Metal Worker:** Set up and operate fabricating machines, such as shears, brakes, presses and routers, to cut, bend, block and form materials. Weld, solder, bolt, rivet, screw, clip, caulk or bond component parts to assemble products, using hand tools, power tools and equipment. Determine sequence and methods of fabricating, assembling and installing sheet metal products, using blueprints, sketches or product specifications.
- (77.6%) **Plasterer:** Apply coats of plaster or stucco to walls, ceilings, or partitions of buildings using trowel, brush or spray gun. Create decorative texture in finish coat, using sand, pebbles or stones. Mold and install ornamental plaster pieces, panels and trim. Direct workers to mix plaster to desired consistency and to erect scaffolds.
- (76.0%) **Air Conditioning and Refrigeration Mechanic:** Draft air conditioning engineering drawings. Responsible for air conditioner engineering planning. Responsible for air conditioning, frozen equipment repair and maintenance.
- (71.5%) **Lift Mechanic:** Assemble, install, repair and maintain elevators, escalators, moving sidewalks and dumbwaiters. Disassemble defective units and repair or replace parts, such as locks, gears, cables and electric wiring. Read and interpret blueprints to determine the layout of system components, frameworks and foundations, and to select installation equipment. Test newly installed equipment to ensure that it meets specifications.
- (70.7%) **Civil Engineering Associate:** Prepare drawings and plans, estimate costs and check engineering work in support of drafting professionals in a variety of civil engineering and associated disciplines. Interpret work assignment instructions, apply appropriate procedures and select equipment. Perform and direct fieldwork and laboratory testing. Analyse data and carry out computations.
- (70.4%) **Tile Installation Specialist:** Apply hard tile to walls, floors, ceilings and roof decks. Cut and shape tile to fit around obstacles and

### Construction and Related Manufacturing

into odd spaces and corners, using hand and power cutting tools. Lay and set mosaic tiles to create decorative wall, mural and floor designs. Finish and dress the joints and wipe excess grout from between tiles.

### Government

- (77.2%) **Firefighter:** Control and extinguish fires, protect life and property and conduct rescue efforts. Respond to fire alarms and other calls for assistance, assess fires and report conditions. Drive and operate fire fighting vehicles and equipment. Search burning buildings to locate and rescue fire victims and administer first aid.

### Healthcare

- (76.2%) **Dental Assistant:** Prepare patient, sterilize or disinfect instruments, set up instrument trays, prepare materials or assist dentist during dental procedures. Expose dental diagnostic X-rays. Record treatment information in patient records. Assist dentist in management of medical or dental emergencies.
- (76.1%) **Medical Assistant:** Interview patients to obtain medical information and measure their vital signs, weight and height. Help physicians examine and treat patients, handing them instruments or materials, or performing such tasks as giving injections or removing sutures. Record patients' medical history, vital statistics or information such as test results, in medical records. Collect blood, tissue or other laboratory specimens; log the specimens and prepare them for testing.
- (76.0%) **Pharmacy Technician:** Assist pharmacist to prepare and dispense medication. Fill orders for unit doses and pre-packaged pharmaceuticals, and perform other related duties under the supervision and direction of a pharmacy supervisor or staff pharmacist. Keep record of drugs delivered to pharmacy, store incoming merchandise in proper locations, monitor stock needs and shortages. Clean equipment used in the performance of duties and assist in the care and maintenance of equipment and supplies. Mix pharmaceutical preparations, fill bottles with prescribed tablets and capsules, and types labels for bottles.
- (75.5%) **Electroneurodiagnostic Technologist:** Conduct electroneurodiagnostic (END) tests such as electroencephalograms. Monitor patients during tests or surgeries, using electroencephalographs (EEG), evoked potential (EP) instruments or video recording equipment. Conduct tests to determine cerebral death, the absence of brain activity or the probability of recovery from a coma. Measure visual, auditory or somatosensory evoked potentials (EPs) to determine responses to stimuli.
- (75.2%) **Pharmacy Assistant:** Record drugs delivered to the pharmacy, store incoming merchandise and inform the supervisor of stock needs. Greet customers and help them locate merchandise, answer telephone inquiries, referring callers to pharmacist when necessary. Maintain and clean equipment, work areas or shelves and restock storage areas, replenishing items on shelves. Perform clerical tasks, such as filing, compiling and maintaining prescription records, or composing.
- (74.2%) **Operating Theatre Technician:** Prepare and place equipment and supplies in operating room and arrange instruments, according to instruction. Maintain supply of fluids, such as plasma, saline, blood and glucose, for use during operation. Hand instruments and supplies to surgeon, hold retractors and cut sutures and perform other tasks as directed by surgeon during operation. Put dressings on patient following surgery.
- (70.5%) **Paramedic:** Paramedics provide pre-hospital emergency care, treatment and specialised transport for patients. Paramedics work in teams and in shifts, and in all kinds of weather conditions. They are required to assist at a range of incidents, including motor vehicle accidents and medical emergencies inside and outside domestic premises, building sites and public areas. They may work in confined spaces, such as under vehicles and buildings, and at sites of hazardous material accidents, such as fires and chemical spills. They work closely with members of other emergency services such as firefighters, police, and state emergency workers. Paramedics may perform the following tasks: •drive ambulances to sites of medical emergencies and accidents that may require the administration of advanced life support •lift and place patients on stretchers, load the stretchers into ambulances and transport patients to hospital •assess and treat patients at the site and on the way to hospital •administer pain-relieving drugs and replace fluids, often by inserting tubes into veins •prepare patient care records and other written reports on the state of patients' injuries and the treatment provided •attend public gatherings, such as large sporting events, where accidents or other health emergencies may occur •provide routine transport for patients between home and hospital (for patients requiring further treatment or specialised treatment such as occupational therapy and chemotherapy, for example) •perform daily vehicle and equipment checks, making sure that medical supplies (including drugs) are accounted for and that equipment and ambulances are in good working order. Personal requirements: •able to remain calm and control emotions in stressful situations •able to think clearly and act quickly •good level of health and fitness •good analytical and problem-solving skills •able to work alone and as part of a team •able to follow instructions and guidelines •good communi

### Manufacturing - Consumer Goods (Except Food)

- (81.7%) **Watchmaker:** Repair or replace broken, damaged or worn parts, using watchmaker's lathe, drill press and hand tools. Assemble mechanism, oil moving parts and demagnetize mechanism, using demagnetizing machine. Clean, rinse and dry parts, using watch-cleaning machine. Test accuracy of balance wheel assembly, and adjust timing regulator, using truing callipers, watch-rate recorder and tweezers.
- (81.4%) **Sewing Machine Operator:** Operate or tend sewing machines to perform garment sewing operations, such as joining, reinforcing or decorating garments or garment parts. Draw thread through guides, tensions and needles and adjust machine functions, according to fabric type. Position item under needle, using marks on machine, clamp or template, edges of cloth or markings on cloth as guides. Select supplies, such as fasteners and thread, according to specifications or characteristics of

### Manufacturing - Consumer Goods (Except Food)

- fabric.
- (80.7%) **Upholsterer:** Make, repair and replace upholstery for household furniture or transportation vehicles, using knowledge of fabrics and methods of upholstery. Read order and apply knowledge and experience with materials to determine type and amount of material required to cover work piece. Measure and cut new covering material, using pattern, and measuring and cutting instruments. Operate sewing machine to seam cushions and join various sections of covering material. Fit, install, and secure material on work piece, using hand tools, power tools, glue, cement or staples.
  - (80.0%) **Tailor:** Develop design for garment, adapt existing design for garment or copy existing design for garment. Assemble garment parts and joins parts with basting stitches, using needle and thread or sewing machine. Alter garment and joins parts, using needle and thread or sewing machine, to form finished garment. Measure customer for size, use tape measure and record measurements, draw individual pattern or alter existing pattern to fit customer's measurements. Confer with customer to determine type of material and garment style desired.
  - (78.9%) **Glazier:** Read and interpret blueprints or specifications to determine size, shape, colour, type or thickness of glass. Fabricate or install metal sashes or moldings for glass installation. Cut, fit, install, repair or replace glass or glass substitutes, such as plastic or aluminium. Cut and remove broken glass, prior to installing replacement glass.
  - (78.0%) **Textile Machine Operator:** Operate or tend textile machines that perform textile processing and manufacturing operations, such as winding, twisting, knitting, weaving and cutting. Start machine and observe operation to detect malfunctions or defects, such as breaking or twisting of material or thread. Examine and inspect cut yarn, lace or other material for defects, dirt and conformance to colour and size specifications. Record production information, such as lot or style number, yardage, number of defects and machine stops, and types of defects.
  - (75.5%) **Cabinet Maker:** Establish the specifications of articles to be constructed or repaired and plan operations based on blueprints, drawings, diagrams, oral or written instructions. Cut, shape and assemble wooden articles, or set up and operate a variety of woodworking machines to fabricate wood products, such as furniture, store fixtures, office equipment or cabinets. Match materials for colour, grain or texture, giving attention to knots or other features of the wood. Trim, sand or scrape surfaces or joints to prepare articles for finishing.
  - (74.5%) **Laser Operator:** Operate machines to cut multiple layers of fabric into parts for articles such as canvas goods, house furnishings, garments, hats or stuffed toys. Start machines, monitor operations and make adjustments as needed. Confer with co-workers to obtain information about orders, processes or problems. Adjust cutting techniques to types of fabrics and styles of garments.
  - (73.6%) **Furniture Finishing Specialist:** Shape, finish and refinish damaged, worn or used furniture, or new high-grade furniture, to specified colour or finish. Mix finish ingredients to obtain desired colours or shades. Brush, spray, or hand-rub finishing ingredients onto and into wood grain; then apply lacquer or other sealers. Smooth, shape, and touch-up surfaces treated surfaces.
  - (73.5%) **Silk Screen Processing Specialist:** Apply lettering, designs or colouring to products, using silk screen process. Select and prepare colour glaze or ink, apply to screen or pattern over drawing or plate, and print design. Read job order and examine drawing or design to determine method of making stencil; then, cut stencil by hand, using cutting tools, or photograph design on film. Catalogue and store screens for future orders.
  - (73.1%) **Pottery Maker:** Raise and shape clay into ware, such as vases, saggars and pitchers on revolving potter's wheel using hands, fingers and thumbs. Smooth surfaces of finished piece using rubber scrapers and wet sponge. Operate the potter's wheel and pull wire through base of article and wheel to separate finished piece. Verify size and form using callipers and templates.

### Displays careers that could require Licences / VET Certificate I to III

#### Construction and Related Manufacturing

- (82.0%) **Fibreglass Production Specialist:** Laminate layers of fibreglass on molds to form boat decks and hulls, bodies for golf carts, automobiles or other products. Mix catalysts into resins to saturate cloth and mats; spray chopped fibreglass, resins and catalysts onto prepared molds or dies. Repair or modify damaged or defective glass-fibre parts. Check completed products for conformance to specifications.
- (81.4%) **Heating and Air Conditioning Mechanic:** Install, service or repair heating and air conditioning systems, in residences or commercial establishments. Repair or replace defective equipment, components or wiring. Test electrical circuits or components for continuity. Test pipe or tubing joints or connections for leaks. Reassemble and test equipment following repairs.
- (81.4%) **Waterproofing Machine Operator:** Set up, operate, or tend plating or coating machines to coat metal or plastic products with chromium, zinc, copper, cadmium, nickel or other metal to protect or decorate surfaces. Immerse objects to be coated or plated into cleaning solutions, or spray objects with conductive solutions to prepare them for plating. Remove objects from solutions at periodic intervals and observe objects to verify conformance to specifications. Monitor and measure thicknesses of electroplating on component parts in order to verify conformance to specifications, using micrometers.
- (79.5%) **Sheet Metal Worker:** Set up and operate fabricating machines, such as shears, brakes, presses and routers, to cut, bend, block and form materials. Weld, solder, bolt, rivet, screw, clip, caulk or bond component parts to assemble products, using hand tools, power tools and equipment. Determine sequence and methods of fabricating, assembling and installing sheet metal products, using blueprints, sketches or product specifications.

### Construction and Related Manufacturing

- (77.6%) **Plasterer:** Apply coats of plaster or stucco to walls, ceilings, or partitions of buildings using trowel, brush or spray gun. Create decorative texture in finish coat, using sand, pebbles or stones. Mold and install ornamental plaster pieces, panels and trim. Direct workers to mix plaster to desired consistency and to erect scaffolds.
- (76.0%) **Air Conditioning and Refrigeration Mechanic:** Draft air conditioning engineering drawings. Responsible for air conditioner engineering planning. Responsible for air conditioning, frozen equipment repair and maintenance.
- (74.9%) **Welder and Cutter (2nd and 3rd class Welder):** Use hand welding and flame-cutting equipment to weld together metal components and parts, or to cut, trim or scarf metal objects to dimensions, as specified by layouts, work orders or blueprints. Guide electrodes or torch along weld line at specified speed and angle to weld, melt, cut or trim metal. Review layouts, blueprints, diagrams or work orders in preparation for welding or cutting metal components. Inspect finished work piece for conformance to specifications.
- (71.5%) **Lift Mechanic:** Assemble, install, repair and maintain elevators, escalators, moving sidewalks and dumbwaiters. Disassemble defective units and repair or replace parts, such as locks, gears, cables and electric wiring. Read and interpret blueprints to determine the layout of system components, frameworks and foundations, and to select installation equipment. Test newly installed equipment to ensure that it meets specifications.
- (71.2%) **Floor Laying Specialist:** Sweep, scrape, sand or chip dirt and irregularities to clean base surfaces, correcting imperfections. Cut flooring material to fit around obstructions, trim excess covering materials to form tight joint. Form a smooth foundation, then roll and press sheet wall and floor covering into cement base. Smooth and finish surface.
- (70.4%) **Tile Installation Specialist:** Apply hard tile to walls, floors, ceilings and roof decks. Cut and shape tile to fit around obstacles and into odd spaces and corners, using hand and power cutting tools. Lay and set mosaic tiles to create decorative wall, mural and floor designs. Finish and dress the joints and wipe excess grout from between tiles.

### Government

- (77.2%) **Firefighter:** Control and extinguish fires, protect life and property and conduct rescue efforts. Respond to fire alarms and other calls for assistance, assess fires and report conditions. Drive and operate fire fighting vehicles and equipment. Search burning buildings to locate and rescue fire victims and administer first aid.

### Healthcare

- (76.2%) **Dental Assistant:** Prepare patient, sterilize or disinfect instruments, set up instrument trays, prepare materials or assist dentist during dental procedures. Expose dental diagnostic X-rays. Record treatment information in patient records. Assist dentist in management of medical or dental emergencies.
- (76.1%) **Medical Assistant:** Interview patients to obtain medical information and measure their vital signs, weight and height. Help physicians examine and treat patients, handing them instruments or materials, or performing such tasks as giving injections or removing sutures. Record patients' medical history, vital statistics or information such as test results, in medical records. Collect blood, tissue or other laboratory specimens; log the specimens and prepare them for testing.
- (76.0%) **Pharmacy Technician:** Assist pharmacist to prepare and dispense medication. Fill orders for unit doses and pre-packaged pharmaceuticals, and perform other related duties under the supervision and direction of a pharmacy supervisor or staff pharmacist. Keep record of drugs delivered to pharmacy, store incoming merchandise in proper locations, monitor stock needs and shortages. Clean equipment used in the performance of duties and assist in the care and maintenance of equipment and supplies. Mix pharmaceutical preparations, fill bottles with prescribed tablets and capsules, and types labels for bottles.
- (75.5%) **Electroneurodiagnostic Technologist:** Conduct electroneurodiagnostic (END) tests such as electroencephalograms. Monitor patients during tests or surgeries, using electroencephalographs (EEG), evoked potential (EP) instruments or video recording equipment. Conduct tests to determine cerebral death, the absence of brain activity or the probability of recovery from a coma. Measure visual, auditory or somatosensory evoked potentials (EPs) to determine responses to stimuli.
- (75.2%) **Pharmacy Assistant:** Record drugs delivered to the pharmacy, store incoming merchandise and inform the supervisor of stock needs. Greet customers and help them locate merchandise, answer telephone inquiries, referring callers to pharmacist when necessary. Maintain and clean equipment, work areas or shelves and restock storage areas, replenishing items on shelves. Perform clerical tasks, such as filing, compiling and maintaining prescription records, or composing.

### Manufacturing - Consumer Goods (Except Food)

- (81.7%) **Watchmaker:** Repair or replace broken, damaged or worn parts, using watchmaker's lathe, drill press and hand tools. Assemble mechanism, oil moving parts and demagnetize mechanism, using demagnetizing machine. Clean, rinse and dry parts, using watch-cleaning machine. Test accuracy of balance wheel assembly, and adjust timing regulator, using trueing callipers, watch-rate recorder and tweezers.
- (81.4%) **Sewing Machine Operator:** Operate or tend sewing machines to perform garment sewing operations, such as joining, reinforcing or decorating garments or garment parts. Draw thread through guides, tensions and needles and adjust machine functions, according to fabric type. Position item under needle, using marks on machine, clamp or template, edges of cloth or markings on cloth as guides. Select supplies, such as fasteners and thread, according to specifications or characteristics of fabric.
- (80.7%) **Upholsterer:** Make, repair and replace upholstery for household furniture or transportation vehicles, using knowledge of fabrics



### Manufacturing - Consumer Goods (Except Food)

- and methods of upholstery. Read order and apply knowledge and experience with materials to determine type and amount of material required to cover work piece. Measure and cut new covering material, using pattern, and measuring and cutting instruments. Operate sewing machine to seam cushions and join various sections of covering material. Fit, install, and secure material on work piece, using hand tools, power tools, glue, cement or staples.
- (80.0%) **Tailor:** Develop design for garment, adapt existing design for garment or copy existing design for garment. Assemble garment parts and joins parts with basting stitches, using needle and thread or sewing machine. Alter garment and joins parts, using needle and thread or sewing machine, to form finished garment. Measure customer for size, use tape measure and record measurements, draw individual pattern or alter existing pattern to fit customer's measurements. Confer with customer to determine type of material and garment style desired.
  - (78.9%) **Glazier:** Read and interpret blueprints or specifications to determine size, shape, colour, type or thickness of glass. Fabricate or install metal sashes or moldings for glass installation. Cut, fit, install, repair or replace glass or glass substitutes, such as plastic or aluminium. Cut and remove broken glass, prior to installing replacement glass.
  - (78.0%) **Textile Machine Operator:** Operate or tend textile machines that perform textile processing and manufacturing operations, such as winding, twisting, knitting, weaving and cutting. Start machine and observe operation to detect malfunctions or defects, such as breaking or twisting of material or thread. Examine and inspect cut yarn, lace or other material for defects, dirt and conformance to colour and size specifications. Record production information, such as lot or style number, yardage, number of defects and machine stops, and types of defects.
  - (75.5%) **Cabinet Maker:** Establish the specifications of articles to be constructed or repaired and plan operations based on blueprints, drawings, diagrams, oral or written instructions. Cut, shape and assemble wooden articles, or set up and operate a variety of woodworking machines to fabricate wood products, such as furniture, store fixtures, office equipment or cabinets. Match materials for colour, grain or texture, giving attention to knots or other features of the wood. Trim, sand or scrape surfaces or joints to prepare articles for finishing.
  - (74.5%) **Laser Operator:** Operate machines to cut multiple layers of fabric into parts for articles such as canvas goods, house furnishings, garments, hats or stuffed toys. Start machines, monitor operations and make adjustments as needed. Confer with co-workers to obtain information about orders, processes or problems. Adjust cutting techniques to types of fabrics and styles of garments.
  - (73.6%) **Furniture Finishing Specialist:** Shape, finish and refinish damaged, worn or used furniture, or new high-grade furniture, to specified colour or finish. Mix finish ingredients to obtain desired colours or shades. Brush, spray, or hand-rub finishing ingredients onto and into wood grain; then apply lacquer or other sealers. Smooth, shape, and touch-up surfaces treated surfaces.
  - (73.5%) **Silk Screen Processing Specialist:** Apply lettering, designs or colouring to products, using silk screen process. Select and prepare colour glaze or ink, apply to screen or pattern over drawing or plate, and print design. Read job order and examine drawing or design to determine method of making stencil; then, cut stencil by hand, using cutting tools, or photograph design on film. Catalogue and store screens for future orders.
  - (73.1%) **Pottery Maker:** Raise and shape clay into ware, such as vases, saggars and pitchers on revolving potter's wheel using hands, fingers and thumbs. Smooth surfaces of finished piece using rubber scrapers and wet sponge. Operate the potter's wheel and pull wire through base of article and wheel to separate finished piece. Verify size and form using callipers and templates.
  - (72.0%) **Glass Blower/Molder:** Shape molten glass according to patterns. Heat glass to pliable stage, using gas flames or ovens. Blow tubing into specified shapes to prevent glass from collapsing, using compressed air or own breath. Shape, bend or join sections of glass, using paddles, pressing and flattening hand tools.
  - (70.1%) **Jeweller:** Create jewellery from materials such as gold, silver, platinum and precious or semiprecious stones. Make repairs, such as enlarging or reducing ring sizes, and replacing broken clasps and mountings. Clean and polish metal items and jewellery pieces. Select and acquire metals and gems for designs.

### Manufacturing - Food

- (81.4%) **Farm Equipment Mechanic:** Diagnose, adjust, repair or overhaul farm machinery and vehicles, such as tractors, harvesters, dairy equipment and irrigation systems. Repair or replace defective parts, using hand tools, milling and woodworking machines, lathes, welding equipment, grinders or saws. Maintain, repair and overhaul farm machinery and vehicles, such as tractors, harvesters and irrigation systems. Record details of repairs made, and parts used.

## Displays careers that could require Year 12 or equivalent

### Construction and Related Manufacturing

- (82.0%) **Fibreglass Production Specialist:** Laminate layers of fibreglass on molds to form boat decks and hulls, bodies for golf carts, automobiles or other products. Mix catalysts into resins to saturate cloth and mats; spray chopped fibreglass, resins and catalysts onto prepared molds or dies. Repair or modify damaged or defective glass-fibre parts. Check completed products for conformance to specifications.
- (81.4%) **Waterproofing Machine Operator:** Set up, operate, or tend plating or coating machines to coat metal or plastic products with chromium, zinc, copper, cadmium, nickel or other metal to protect or decorate surfaces. Immerse objects to be coated or plated

### Construction and Related Manufacturing

- into cleaning solutions, or spray objects with conductive solutions to prepare them for plating. Remove objects from solutions at periodic intervals and observe objects to verify conformance to specifications. Monitor and measure thicknesses of electroplating on component parts in order to verify conformance to specifications, using micrometers.
- (79.5%) **Sheet Metal Worker:** Set up and operate fabricating machines, such as shears, brakes, presses and routers, to cut, bend, block and form materials. Weld, solder, bolt, rivet, screw, clip, caulk or bond component parts to assemble products, using hand tools, power tools and equipment. Determine sequence and methods of fabricating, assembling and installing sheet metal products, using blueprints, sketches or product specifications.
  - (74.9%) **Welder and Cutter (2nd and 3rd class Welder):** Use hand welding and flame-cutting equipment to weld together metal components and parts, or to cut, trim or scarf metal objects to dimensions, as specified by layouts, work orders or blueprints. Guide electrodes or torch along weld line at specified speed and angle to weld, melt, cut or trim metal. Review layouts, blueprints, diagrams or work orders in preparation for welding or cutting metal components. Inspect finished work piece for conformance to specifications.
  - (71.2%) **Floor Laying Specialist:** Sweep, scrape, sand or chip dirt and irregularities to clean base surfaces, correcting imperfections. Cut flooring material to fit around obstructions, trim excess covering materials to form tight joint. Form a smooth foundation, then roll and press sheet wall and floor covering into cement base. Smooth and finish surface.
  - (70.4%) **Tile Installation Specialist:** Apply hard tile to walls, floors, ceilings and roof decks. Cut and shape tile to fit around obstacles and into odd spaces and corners, using hand and power cutting tools. Lay and set mosaic tiles to create decorative wall, mural and floor designs. Finish and dress the joints and wipe excess grout from between tiles.

### Government

- (77.2%) **Firefighter:** Control and extinguish fires, protect life and property and conduct rescue efforts. Respond to fire alarms and other calls for assistance, assess fires and report conditions. Drive and operate fire fighting vehicles and equipment. Search burning buildings to locate and rescue fire victims and administer first aid.

### Healthcare

- (75.2%) **Pharmacy Assistant:** Record drugs delivered to the pharmacy, store incoming merchandise and inform the supervisor of stock needs. Greet customers and help them locate merchandise, answer telephone inquiries, referring callers to pharmacist when necessary. Maintain and clean equipment, work areas or shelves and restock storage areas, replenishing items on shelves. Perform clerical tasks, such as filing, compiling and maintaining prescription records, or composing.

### Manufacturing - Consumer Goods (Except Food)

- (81.4%) **Sewing Machine Operator:** Operate or tend sewing machines to perform garment sewing operations, such as joining, reinforcing or decorating garments or garment parts. Draw thread through guides, tensions and needles and adjust machine functions, according to fabric type. Position item under needle, using marks on machine, clamp or template, edges of cloth or markings on cloth as guides. Select supplies, such as fasteners and thread, according to specifications or characteristics of fabric.
- (80.0%) **Tailor:** Develop design for garment, adapt existing design for garment or copy existing design for garment. Assemble garment parts and joins parts with basting stitches, using needle and thread or sewing machine. Alter garment and joins parts, using needle and thread or sewing machine, to form finished garment. Measure customer for size, use tape measure and record measurements, draw individual pattern or alter existing pattern to fit customer's measurements. Confer with customer to determine type of material and garment style desired.
- (78.0%) **Textile Machine Operator:** Operate or tend textile machines that perform textile processing and manufacturing operations, such as winding, twisting, knitting, weaving and cutting. Start machine and observe operation to detect malfunctions or defects, such as breaking or twisting of material or thread. Examine and inspect cut yarn, lace or other material for defects, dirt and conformance to colour and size specifications. Record production information, such as lot or style number, yardage, number of defects and machine stops, and types of defects.
- (75.5%) **Cabinet Maker:** Establish the specifications of articles to be constructed or repaired and plan operations based on blueprints, drawings, diagrams, oral or written instructions. Cut, shape and assemble wooden articles, or set up and operate a variety of woodworking machines to fabricate wood products, such as furniture, store fixtures, office equipment or cabinets. Match materials for colour, grain or texture, giving attention to knots or other features of the wood. Trim, sand or scrape surfaces or joints to prepare articles for finishing.
- (74.5%) **Laser Operator:** Operate machines to cut multiple layers of fabric into parts for articles such as canvas goods, house furnishings, garments, hats or stuffed toys. Start machines, monitor operations and make adjustments as needed. Confer with co-workers to obtain information about orders, processes or problems. Adjust cutting techniques to types of fabrics and styles of garments.
- (73.6%) **Furniture Finishing Specialist:** Shape, finish and refinish damaged, worn or used furniture, or new high-grade furniture, to specified colour or finish. Mix finish ingredients to obtain desired colours or shades. Brush, spray, or hand-rub finishing ingredients onto and into wood grain; then apply lacquer or other sealers. Smooth, shape, and touch-up surfaces treated surfaces.

### Manufacturing - Consumer Goods (Except Food)

- (73.1%) **Pottery Maker:** Raise and shape clay into ware, such as vases, saggars and pitchers on revolving potter's wheel using hands, fingers and thumbs. Smooth surfaces of finished piece using rubber scrapers and wet sponge. Operate the potter's wheel and pull wire through base of article and wheel to separate finished piece. Verify size and form using callipers and templates.
- (72.0%) **Glass Blower/Molder:** Shape molten glass according to patterns. Heat glass to pliable stage, using gas flames or ovens. Blow tubing into specified shapes to prevent glass from collapsing, using compressed air or own breath. Shape, bend or join sections of glass, using paddles, pressing and flattening hand tools.
- (70.1%) **Jeweller:** Create jewellery from materials such as gold, silver, platinum and precious or semiprecious stones. Make repairs, such as enlarging or reducing ring sizes, and replacing broken clasps and mountings. Clean and polish metal items and jewellery pieces. Select and acquire metals and gems for designs.

### Manufacturing - Food

- (75.0%) **Baker:** Mix and bake ingredients to produce breads, rolls, cookies, cakes, pies, pastries or other baked goods. Measure or weigh flour or other ingredients to prepare batters, doughs, fillings or icings. Roll, knead, cut or shape dough to form sweet rolls, pie crusts, tarts, cookies or other products. Check equipment to ensure that it meets health and safety regulations and perform maintenance or cleaning, as necessary.

### Manufacturing - Industrial Goods

- (86.1%) **Packaging Machine Operator:** Tend or operate machine that packages product. Observe machine operations to ensure quality and conformity of filled or packaged products to standards. Sort, grade, weigh and inspect products, verifying and adjusting product weight or measurement to meet specifications. Stop or reset machines when malfunctions occur; clear machine jams and report malfunctions to a supervisor. Monitor the production line, watching for problems such as pile-ups, jams or glue that isn't sticking properly.
- (84.0%) **Framing Specialist:** Install mirrors or pictures in wooden, plastic or metal frames. Assemble frames from pre-cut material, and glue, nail, screw or staple material together, using clamps, hand tools and power tools. Place glass, picture or mirror into frame. Drill holes with portable electric drill, and bolt or screw hangers to mirror backing.
- (80.9%) **Machine Technician:** Observe machine operation to detect work piece defects or machine malfunctions, adjusting machines as necessary. Perform minor machine maintenance, such as oiling or cleaning machines, dies or work pieces, or adding coolant to machine reservoirs. Start machines and turn hand wheels or valves to engage feeding, cooling and lubricating mechanisms. Read blueprints or job orders to determine product specifications and tooling instructions and to plan operational sequences. Select, install and adjust alignment of drills, cutters, dies, guides and holding devices, using templates, measuring instruments and hand tools.
- (80.4%) **Wire Electrode Cutting Technician:** Operate wire cutting machine and process part according to the mechanical drawing. Design the mold and use mapping software to render parts. Repair and maintain the cutting machine.
- (79.2%) **Machine Assembler:** Construct, assemble or rebuild machines such as engines, turbines and similar equipment used in such industries as construction, extraction, textiles and paper manufacturing. Read and interpret assembly blueprints or specifications manuals and plan assembly or building operations. Position or align components for assembly; rework, repair or replace damaged parts or assemblies. Inspect, operate and test completed products to verify functioning, capabilities or conformance to customer specifications.
- (77.5%) **Mould Technician:** Mix materials, assemble mold parts, fill molds, stack molds to mold and cast a wide range of products. Pour, pack, spread or press plaster, concrete, liquid plastic or other materials into or around models or molds. Load or stack filled molds in ovens, dryers, or curing boxes or on storage racks or carts. Clean, finish and lubricate molds and mold parts.
- (73.7%) **Die-Casting Technician:** Set up and operate presses and forging machines to perform hot or cold forging by flattening, straightening, bending, cutting, piercing or other operations to taper, shape or form metal. Read work orders or blueprints to determine specified tolerances and sequences of operations for machine setup. Measure and visually inspect products for surface and dimension defects in order to ensure conformance to specifications, using precision measuring instruments. Observe meters and gauges to verify and record temperatures, pressures and press-cycle times. Remove finished or cured products from dies or molds, using hand tools, air hoses and other equipment; stamp identifying information on products when necessary.
- (73.6%) **Plastics Process Operator:** Operate the machinery that produces plastic products such as bottles, packaging cases or components for cars, aircraft and medical devices. Check and weigh raw plastic before feeding it into the molding machine. Check that machine settings are correct; start machine and stay alert for any indication of a problem. Record the amounts of materials used, number of items produced and any problems that have occurred. Check that products that come off the machine meet specifications, packing and labelling them and putting them in correct area for collection.

### Sales, Marketing and Retail

- (71.1%) **Merchandise Worker:** Stock shelves, racks, cases, bins and tables with merchandise. Ensure pricing labels are correct. Requisition merchandise from supplier, based on available space, merchandise on hand, customer demand or advertised specials.

### Services - Personal & Home

- (71.3%) **Dry Cleaning Machine Operator:** Operate or tend dry-cleaning machines to dry-clean industrial or household articles, such as cloth garments, suede, leather, furs, blankets, draperies. Receive and mark articles for cleaning, with identifying code numbers or names. Examine and sort into lots articles to be cleaned, according to colour, fabric, dirt content and cleaning technique required. Sort and count articles removed from dryers, and fold, wrap or hang them.
- (71.3%) **Shoe and Leather Work Specialist:** Assemble product according to specifications, utilizing sewing machine, needle and thread, or leather lacing, glue, clamps or rivets. Sew rips or patch holes by hand or machine to repair articles, such as purses, shoes and luggage. Repair and recondition products such as trunks, luggage, shoes and saddles. Fabricate articles such as purses, wallets, belts, luggage frames and shoes, using materials such as dyes, soaks, paints, stamps, or engraves leather to obtain desired effect or shape. Read prescription or specifications and measures item, using callipers, tape measures, or rule.

### Services - Publishing

- (74.7%) **Precision Printing Operator:** Perform variety of precision printing activities such as duplication of microfilm and reproduction of graphic arts materials. Operate automatic processor to develop photographs, plates or base material used in single or multicolour proofs. Set up and operate various types of camera to produce negatives, Photostats or plastic or paper printing plates. Operate offset-duplicating machine or small printing press to reproduce single or multicolour copies of line, drawings, graphs or similar materials.

## Displays careers that could require Year 11 or below

### Construction and Related Manufacturing

- (82.0%) **Fibreglass Production Specialist:** Laminate layers of fibreglass on molds to form boat decks and hulls, bodies for golf carts, automobiles or other products. Mix catalysts into resins to saturate cloth and mats; spray chopped fibreglass, resins and catalysts onto prepared molds or dies. Repair or modify damaged or defective glass-fibre parts. Check completed products for conformance to specifications.
- (81.4%) **Waterproofing Machine Operator:** Set up, operate, or tend plating or coating machines to coat metal or plastic products with chromium, zinc, copper, cadmium, nickel or other metal to protect or decorate surfaces. Immerse objects to be coated or plated into cleaning solutions, or spray objects with conductive solutions to prepare them for plating. Remove objects from solutions at periodic intervals and observe objects to verify conformance to specifications. Monitor and measure thicknesses of electroplating on component parts in order to verify conformance to specifications, using micrometers.
- (79.5%) **Sheet Metal Worker:** Set up and operate fabricating machines, such as shears, brakes, presses and routers, to cut, bend, block and form materials. Weld, solder, bolt, rivet, screw, clip, caulk or bond component parts to assemble products, using hand tools, power tools and equipment. Determine sequence and methods of fabricating, assembling and installing sheet metal products, using blueprints, sketches or product specifications.
- (74.9%) **Welder and Cutter (2nd and 3rd class Welder):** Use hand welding and flame-cutting equipment to weld together metal components and parts, or to cut, trim or scarf metal objects to dimensions, as specified by layouts, work orders or blueprints. Guide electrodes or torch along weld line at specified speed and angle to weld, melt, cut or trim metal. Review layouts, blueprints, diagrams or work orders in preparation for welding or cutting metal components. Inspect finished work piece for conformance to specifications.
- (71.2%) **Floor Laying Specialist:** Sweep, scrape, sand or chip dirt and irregularities to clean base surfaces, correcting imperfections. Cut flooring material to fit around obstructions, trim excess covering materials to form tight joint. Form a smooth foundation, then roll and press sheet wall and floor covering into cement base. Smooth and finish surface.
- (70.4%) **Tile Installation Specialist:** Apply hard tile to walls, floors, ceilings and roof decks. Cut and shape tile to fit around obstacles and into odd spaces and corners, using hand and power cutting tools. Lay and set mosaic tiles to create decorative wall, mural and floor designs. Finish and dress the joints and wipe excess grout from between tiles.

### Manufacturing - Consumer Goods (Except Food)

- (81.4%) **Sewing Machine Operator:** Operate or tend sewing machines to perform garment sewing operations, such as joining, reinforcing or decorating garments or garment parts. Draw thread through guides, tensions and needles and adjust machine functions, according to fabric type. Position item under needle, using marks on machine, clamp or template, edges of cloth or markings on cloth as guides. Select supplies, such as fasteners and thread, according to specifications or characteristics of fabric.
- (73.1%) **Pottery Maker:** Raise and shape clay into ware, such as vases, saggars and pitchers on revolving potter's wheel using hands, fingers and thumbs. Smooth surfaces of finished piece using rubber scrapers and wet sponge. Operate the potter's wheel and pull wire through base of article and wheel to separate finished piece. Verify size and form using callipers and templates.
- (72.0%) **Glass Blower/Molder:** Shape molten glass according to patterns. Heat glass to pliable stage, using gas flames or ovens. Blow tubing into specified shapes to prevent glass from collapsing, using compressed air or own breath. Shape, bend or join sections of glass, using paddles, pressing and flattening hand tools.

### Manufacturing - Industrial Goods

- (86.1%) **Packaging Machine Operator:** Tend or operate machine that packages product. Observe machine operations to ensure quality and conformity of filled or packaged products to standards. Sort, grade, weigh and inspect products, verifying and adjusting product weight or measurement to meet specifications. Stop or reset machines when malfunctions occur; clear machine jams and report malfunctions to a supervisor. Monitor the production line, watching for problems such as pile-ups, jams or glue that isn't sticking properly.
- (84.0%) **Framing Specialist:** Install mirrors or pictures in wooden, plastic or metal frames. Assemble frames from pre-cut material, and glue, nail, screw or staple material together, using clamps, hand tools and power tools. Place glass, picture or mirror into frame. Drill holes with portable electric drill, and bolt or screw hangers to mirror backing.
- (80.9%) **Machine Technician:** Observe machine operation to detect work piece defects or machine malfunctions, adjusting machines as necessary. Perform minor machine maintenance, such as oiling or cleaning machines, dies or work pieces, or adding coolant to machine reservoirs. Start machines and turn hand wheels or valves to engage feeding, cooling and lubricating mechanisms. Read blueprints or job orders to determine product specifications and tooling instructions and to plan operational sequences. Select, install and adjust alignment of drills, cutters, dies, guides and holding devices, using templates, measuring instruments and hand tools.
- (79.2%) **Machine Assembler:** Construct, assemble or rebuild machines such as engines, turbines and similar equipment used in such industries as construction, extraction, textiles and paper manufacturing. Read and interpret assembly blueprints or specifications manuals and plan assembly or building operations. Position or align components for assembly; rework, repair or replace damaged parts or assemblies. Inspect, operate and test completed products to verify functioning, capabilities or conformance to customer specifications.
- (77.5%) **Mould Technician:** Mix materials, assemble mold parts, fill molds, stack molds to mold and cast a wide range of products. Pour, pack, spread or press plaster, concrete, liquid plastic or other materials into or around models or molds. Load or stack filled molds in ovens, dryers, or curing boxes or on storage racks or carts. Clean, finish and lubricate molds and mold parts.
- (73.6%) **Plastics Process Operator:** Operate the machinery that produces plastic products such as bottles, packaging cases or components for cars, aircraft and medical devices. Check and weigh raw plastic before feeding it into the molding machine. Check that machine settings are correct; start machine and stay alert for any indication of a problem. Record the amounts of materials used, number of items produced and any problems that have occurred. Check that products that come off the machine meet specifications, packing and labelling them and putting them in correct area for collection.

### Sales, Marketing and Retail

- (71.1%) **Merchandise Worker:** Stock shelves, racks, cases, bins and tables with merchandise. Ensure pricing labels are correct. Requisition merchandise from supplier, based on available space, merchandise on hand, customer demand or advertised specials.

### Services - Personal & Home

- (71.3%) **Dry Cleaning Machine Operator:** Operate or tend dry-cleaning machines to dry-clean industrial or household articles, such as cloth garments, suede, leather, furs, blankets, draperies. Receive and mark articles for cleaning, with identifying code numbers or names. Examine and sort into lots articles to be cleaned, according to colour, fabric, dirt content and cleaning technique required. Sort and count articles removed from dryers, and fold, wrap or hang them.
- (71.3%) **Shoe and Leather Work Specialist:** Assemble product according to specifications, utilizing sewing machine, needle and thread, or leather lacing, glue, clamps or rivets. Sew rips or patch holes by hand or machine to repair articles, such as purses, shoes and luggage. Repair and recondition products such as trunks, luggage, shoes and saddles. Fabricate articles such as purses, wallets, belts, luggage frames and shoes, using materials such as dyes, soaks, paints, stamps, or engraves leather to obtain desired effect or shape. Read prescription or specifications and measures item, using callipers, tape measures, or rule.

### Services - Publishing

- (74.7%) **Precision Printing Operator:** Perform variety of precision printing activities such as duplication of microfilm and reproduction of graphic arts materials. Operate automatic processor to develop photographs, plates or base material used in single or multicolour proofs. Set up and operate various types of camera to produce negatives, Photostats or plastic or paper printing plates. Operate offset-duplicating machine or small printing press to reproduce single or multicolour copies of line, drawings, graphs or similar materials.