

EMERGING OCCUPATIONS



Prepared by the Planning, Research and
Monitoring Unit



What are Emerging Occupations

An emerging occupation is one that has evolved from an existing occupation or a new job that has been created in response to consumer demand or technological advances.

What indication does emerging occupations give?

Emerging occupations help to give an indication of the type of career choices persons can make based on labour market demands.

Here are some occupations that have emerged globally.

Logistics Industry



The Logistics Industry comprises establishments primarily engaged in transporting and warehousing goods as well as providing logistics services. It includes the four transportation modes - (trucking, rail, air and marine) as well as Postal Services, Couriers and Messengers, and Warehousing and Storage.



LOGISTICS ENGINEER

Organizes the purchase, transport, storage, distribution and warehousing of materials and finished goods.



MULTI-SKILL TECHNICIAN

Performs a variety of tasks at institutions, from working in labs and offices to helping individuals one-on-one.



SUPPLY CHAIN MANAGER

Manages equipment, hardware and other logistical details of a company or a company's division.



CYBER LOGISTICS MANAGEMENT SPECIALIST

Plans and manages procurement, storage and movement of goods/supplies in support of manufacturing processes, in accordance with customer demand.

Information Technology Industry



The IT Industry involves the utilization of computers, networking and other physical devices, infrastructure and processes in order to create, process, store, secure and exchange all forms of electronic data.



BIOINFORMATICS SCIENTIST

Applies Information Technology and computer science into the areas of biology



AUTOMATED MACHINE TECHNICIAN

Repairs and maintains computer controlled systems and robotic devices used within industrial and commercial facilities to reduce human intervention and maximize efficiency



VIRTUAL ASSISTANT

Provides professional, administrative, technical or social assistance to clients usually from a home office.



NURSING INFORMATICS

Integrates nursing science, computer science and information science to manage and communicate data, information, knowledge and wisdom in nursing practice.



ONLINE COMMUNITY MANAGER

Builds, grows and manages online communities, often around a brand or cause.



MOBILE APPLICATIONS DEVELOPER

Develops software for handheld devices such as personal digital assistants, enterprise digital assistants or mobile phones.



WEB CONTENT STRATEGIST

Reviews site content to ensure adherence to the content strategy and make changes as necessary.

Energy Industry



The Energy Industry involves the production or supply of energy. This industry includes companies involved in the exploration and development of oil or gas reserves, oil and gas drilling, or integrated power firms



ENERGY ENGINEER

Produces energy through natural resources, such as the extraction of oil and gas as well as from renewable sources of energy, including bio-fuel, hydro, wind and solar power.



RENEWABLE ENERGY TECHNICIAN

Installs, maintains and repairs equipment that is used to create renewable energies for public consumption.



GREEN PRODUCT DESIGNER

Designs products that use less energy and raw materials to produce and consume less energy to use.

Security Industry



The Security Industry is made up of companies that manufacture and sell security products to the world. The Industry also includes licensed security agents, as well as associations that regulate security agencies, services and products. These products include home security, as well as commercial security technology intended to protect computing systems against cyber attacks.



CYBER SECURITY ADMINISTRATOR

Designs, organizes, modifies and supports a company's computer systems.

Health Science and Wellness Industry



This industry is an aggregation and integration of sectors within the economic system that provides goods and services to treat patients with curative, preventive, rehabilitative, and palliative care.



CYTOTECHNOLOGIST

Studies cells and cellular anomalies.
Examine slides of human cells for any indication that a cell is abnormal and /or diseased.



FORENSIC NURSE

Treats patients and individuals involved in crime and sexual assault incidents. Also assists in evidence collection and death investigation.



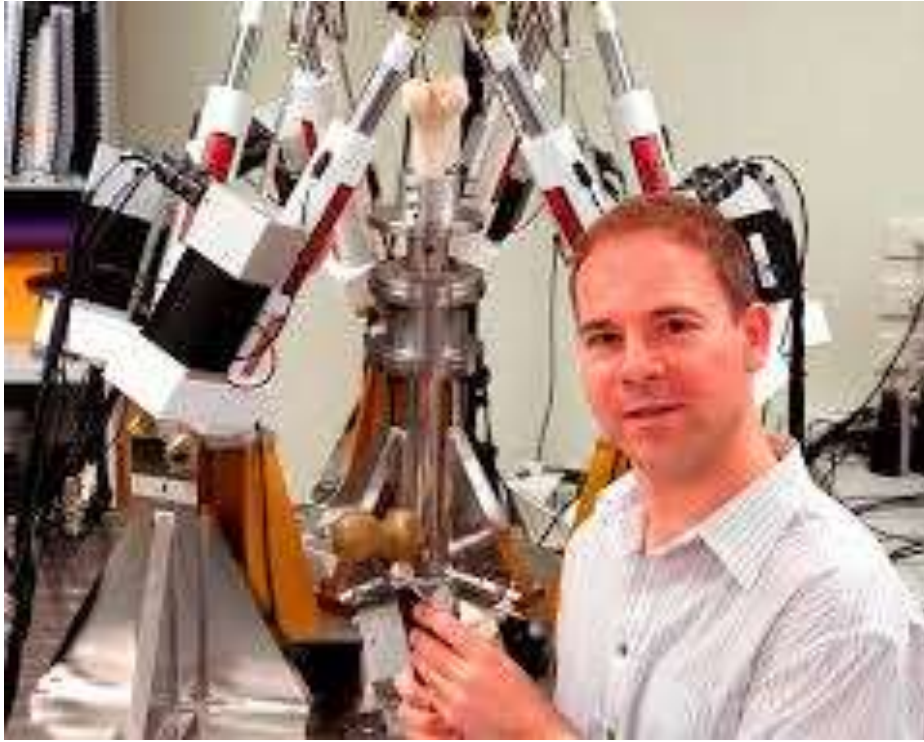
NATUROPATHIC PHYSICIAN

Combines the wisdom of nature with modern science. Utilizes “natural” modalities, including homeopathy, herbalism, acupuncture as well as diet and lifestyle counseling.

Automation Industry

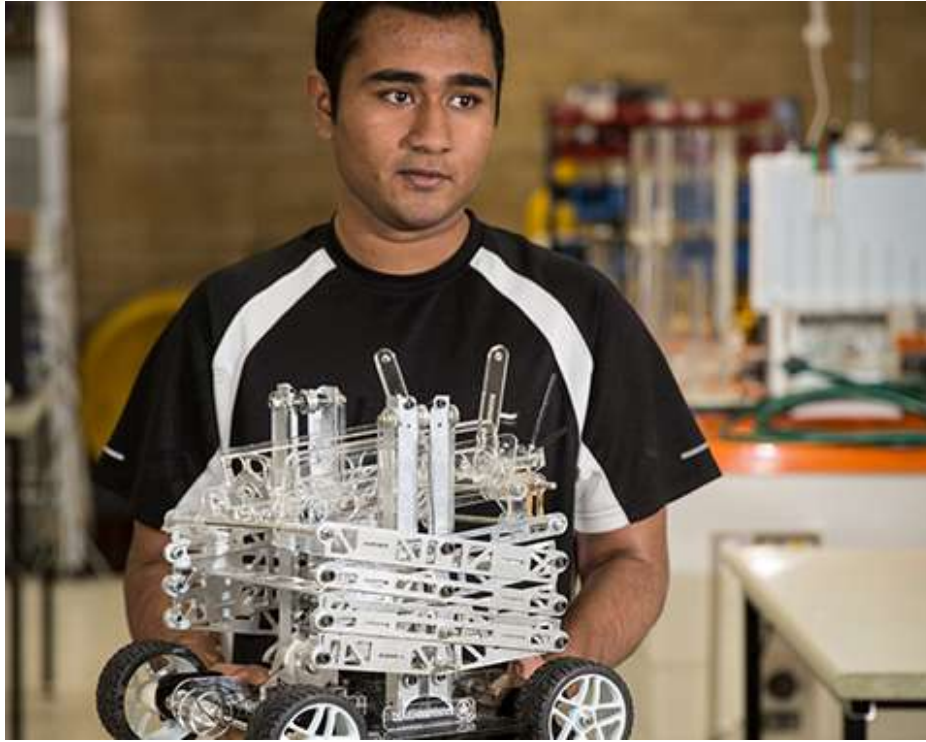


This industry involves the use of control systems, such as computers or robots and information technologies for handling different processes and machineries to replace a human being.



ROBOTICS ENGINEER

Creates robots and robotic systems that are able to perform duties that humans are either unable to or prefer not to complete.



MECHATRONICS ENGINEER

Unites various principles from several engineering disciplines to create more economic, reliable and simplified systems.