

BROADCAST TECHNICIAN

JOB DESCRIPTION

A broadcast technician looks after radio and television broadcasting equipment and transmitters. S/he carries out regular maintenance work as well as repairs equipment when they are damaged.

MAIN TASKS

- advising management/clients on broadcasting equipment suited to their needs
- ordering parts and equipment
- checking and installing equipment on arrival
- training users to operate the broadcasting equipment
- regularly checking that all broadcasting equipment is in perfect order
- repairing broadcasting equipment when they break down or malfunction
- providing links between the studio, transmitters and satellites
- if transmission is from an outside location, setting up and packing down broadcasting testing equipment

PREFERRED PERSONAL TRAITS AND SKILLS

Broadcast technicians should be methodical, safety-conscious and have good eyesight (not being colorblind is crucial as many wires are color-coded). They should be able to work well under pressure especially when trouble-shooting, and have good communication skills.

Broadcast technicians should also enjoy keeping up with the latest developments in electronics, broadcasting signals, basic mechanics and computer broadcasting equipment. They must be adaptable in order to make use of new technology.

QUALIFICATIONS REQUIRED

The basic qualification is a Certificate or Diploma in Engineering majoring in electronics, computer engineering or telecommunications. Some companies may employ you without a paper qualification on the provision you study at the same time. In good economic times, large companies such as ASTRO sponsored fresh school leavers to work and study at the same time.

ACUPUNCTURIST

(also Chinese Medicine Practitioner)

JOB DESCRIPTION

An acupuncturist diagnoses and treats patients according to Chinese medical practices, with emphasis on balancing 'qi' - the life force or energy in all living things. Therapies used include needle acupuncture, the heating of acupuncture points (moxibustion), massage, exercise, diet recommendations and herbal treatments.

TASKS

- diagnose health problems
- discussing problems and suggested treatment with patients
- locates the relevant acupuncture points on the body
- inserts the needles
- administer massage, moxibustion (heat), cupping (suction),
- prescribes medication, dietary needs, exercise regimens

PREFERRED PERSONAL TRAITS AND SKILLS

Acupuncturists need to have concern for others and be patient and gentle. They also need to be responsible, accurate and observant, and able to inspire confidence in others. Good ethical character and a willingness to abide by a set of rules and ethics are also important. An acupuncturist should have good hand-eye coordination.

QUALIFICATIONS REQUIRED

There are a number of acupuncture training courses available in Malaysia and overseas, especially in China and Taiwan. However, most are not publicized, the best way to find out about them is to enquire at Chinese Clan Associations or to ask practicing acupuncturists where they studied.

LAND SURVEYOR (also geodetic surveyor, engineering surveyor)

JOB DESCRIPTION

Land surveyors measure and map the position of features found on the earth's surface such as waterways and slopes.

MAIN TASKS

- meeting with clients and other professionals to determine the scope of the survey
- studying existing land records, survey information and maps on the area to be surveyed
- assessing what further information is needed to carry out the survey
- measuring land features using instruments such as Global Positioning System (GPS) equipment
- delineating boundaries
- preparing maps and plans
- designing and managing land development projects such as mining or construction ventures
- preparing resource consent applications, including environmental impact assessments

PREFERRED PERSONAL TRAITS AND SKILLS

Land surveyors must appreciate natural landscapes and be able to visualize/realize the potential for all types of land. They should be meticulous, good at problem solving and communicating with people. A good knowledge of mathematics, physics, and land survey computer software is important, as is the ability to understand maps and graph drawing. Land surveyors also need to be familiar with legislation concerning land and resource use. Last but not least, they should be fit with good eyesight.

QUALIFICATIONS REQUIRED

A Bachelor of Surveying or equivalent is required to become a registered land surveyor.

TECHNICAL MANAGER

JOB DESCRIPTION

A technical manager is responsible for the safety, quality and performance of equipment and technology in a factory.

MAIN TASKS

- regularly checking to see that existing technology is safe and efficient
- looking at ways to increase the productivity of existing equipment
- keeping up with the latest technical developments
- purchasing new equipment and/or parts if necessary
- ensuring that equipment is well maintained
- ensuring that end-users are trained when new equipment is purchased or a machine upgraded

PREFERRED PERSONAL TRAITS AND SKILLS

Technical managers must be observant, patient and calm under any circumstance. They should be able to work independently and as a team, have sound planning skills, and be able to keep up-to-date with the latest developments in their field. The ability to motivate staff is useful.

QUALIFICATIONS REQUIRED

This is not an entry-level position. Technical managers need to have management experience in developing a product or manufacturing process. They should preferably also have a diploma and/or degree in mechanical engineering.

QUANTITY SURVEYOR (also building estimator)

JOB DESCRIPTION

Quantity surveyors calculate the amount and cost of materials and labor needed for a construction project. They also oversee financial contract administration throughout the course of a project.

MAIN TASKS

- meeting with clients to discuss their needs and restrictions
- studying architects' and engineers' building plans
- advising on the quantity of building materials to be used and its costs
- certifying progress claims and payments to contractors against work completed
- preparing financial accounts

PREFERRED PERSONAL TRAITS AND SKILLS

Quantity surveyors need to be honest and responsible as this is a position, which abused, could lead to the loss of large sums of money for the client. An eye for detail, strong mathematical, planning, and negotiating skills are important, as is, the ability to get along with clients and sub-contractors. Quantity surveyors should also take the initiative to keep up with the latest developments in building methods and materials, local by-laws and work safety practices.

QUALIFICATIONS REQUIRED

A certificate, diploma or degree in quantity surveying is necessary to work as a quantity surveyor. A driver's license and first aid skills may come in handy.

SCHOOL TEACHER

JOB DESCRIPTION

A school teacher teaches students, up to the age of seventeen, in private or public schools.

MAIN TASKS

- planning lessons and activities for the year, based on a set curriculum
- teaching designated subjects
- helping to inculcate civic sense in students
- helping students develop self-confidence and social skills
- helping to instill discipline in children
- assessing students' work and keeping records of marks
- writing reports for parents
- attending PTA meetings
- in some cases, working closely with the Welfare Department, counselors, physiotherapists and/or psychologists to assist students with special needs

PREFERRED PERSONAL TRAITS AND SKILLS

School teachers must love educating and interacting with students. They should be approachable yet firm, and have excellent communication skills. Specialized knowledge in a field is important, as is the ability to simplify and relate lessons to students' lives. An open mind, dedication and persistence should make students more receptive to a teacher. Last but not least, teachers should have an incredible amount of mental, emotional and physical stamina.

QUALIFICATIONS REQUIRED

Teachers need to train at a Maktab Perguruan/teachers' training college to obtain a teaching certificate. Alternatively, they can take a diploma/bachelor in education at an institute of higher learning or a degree specializing in any subject taught at schools such as history or art.

MODEL

(also commercial actor)

JOB DESCRIPTION

Models display and promote clothes or other goods to increase demand for them. They may do this on a catwalk or for other visual media such as television, magazines, billboards and websites.

TASKS

- discussing required poses and movements.
- in the case of a commercial, discussing the part to be played and learning his/her lines
- rehearsing his/her designated part
- sitting for make-up and hair stylists
- dressing in the clothing to be displayed or photographed
- modeling learn scripts and dialogue for television auditions or drama work

PREFERRED PERSONAL TRAITS AND SKILLS

Models should be confident, enjoy playing roles, and looking good. They need to be fit, have good posture, and performance skills. A good memory is useful. Being punctual and able to get along with a wide variety of people is important.

QUALIFICATIONS REQUIRED

There are no specific educational requirements for models. Some agencies may require potential models to do a course in modeling and grooming, and others may have height requirements. Prior experience in dancing and drama is useful.

MARINE BIOLOGIST

(also fisheries scientist, marine ecologist, aquatic biologist)

JOB DESCRIPTION

Marine biologists study organisms that live in the sea (both plants and animals). They also study marine ecology i.e. the relationship of underwater organisms with each other and their environment.

MAIN TASKS

- planning field trips in the sea
- studying underwater plants and animals individually, as well as how they relate to each other
- studying marine biodiversity
- identifying and classifying marine life
- examining samples in a laboratory
- carrying out field and laboratory experiments to test hypotheses
- studying impact of pollution on marine life
- reporting findings in articles and reports

PREFERRED PERSONAL TRAITS AND SKILLS

Marine biologists should love the sea. Ideally, they enjoy swimming, diving and boating. An eye for detail and an innate curiosity about anything and everything underwater is important. As scientists, marine biologists need sound analytical and statistical skills. Computing skills will also come in handy. Marine biologists must have good hand-eye coordination. They also need to be reasonably fit to do field work.

QUALIFICATIONS REQUIRED

Marine biologists need a Bachelor of Science (BSc) and a Master of Science, or a Doctorate before they can work. Prior experiences in laboratory work, fish farming and aquaculture will come in useful.

ZOOLOGIST

(also animal scientist, environmental manager, wildlife conservationist)

JOB DESCRIPTION

Zoologists study animals - where they live, how they live, how they interact with each other and their surroundings.

MAIN TASKS

- studying and identifying different species of animals including genetic make-up and diseases
- studying the relationship between animals and their environment
- presenting findings in reports and articles
- creating conservation techniques and advising local authorities on how to manage species sustainably
- working out ways to control crop pests
- working out ways to improve and manage food species

PREFERRED PERSONAL TRAITS AND SKILLS

Zoologists should have a strong desire to understand the animal world. They should be observant, inquiring, practical and patient. In conducting research, a rigorous work ethic as well as an open mind will come in useful. Zoologists need sound computing and communication skills. They should also be reasonably fit.

QUALIFICATIONS REQUIRED

The basic requirement for zoologists is a Bachelor of Science in zoology or ecology. Employers usually prefer some postgraduate research experience in addition to a degree. Prior experience working with wild animals or in conservation or laboratory work will be valued.