

ACT Radiation Council

Prerequisites for Use Licences

Radiation Protection Act 2006

Prerequisites

Applicants seeking a licence to use radiation sources, under the *Radiation Protection Act 2006*, must meet certain requirements prior to the issuing of a Use Licence.

All applicants will be required to submit documentary evidence to substantiate having met the prerequisites listed in this document. Documentary evidence of training, knowledge and/or experience could be a certificate of successful completion of a recognised course. Recognised courses can include courses which have been approved in another jurisdiction, such as:

- NSW: Approved Courses:
www.epa.nsw.gov.au/your-environment/radiation/radiation-user-licence/user-licence-introduction/user-licence-current-safety-courses
- VIC: Recognised Training Courses:
www2.health.vic.gov.au/public-health/radiation/licensing/use-licences-employees/sector-specific-information
- QLD: Approved Radiation Safety Courses:
www.health.qld.gov.au/healthsupport/businesses/biomedical-technology-services/medical-physics/radiation-safety-training

Medical

| Occupation | Radiation Source(s) | Prerequisites |
|--|--|---|
| Bone Mineral Density Operator | Use Radiation Apparatus for Dual Energy X-Ray Absorptiometry | <ul style="list-style-type: none"> • Training, knowledge and/or experience in radiation safety with respect to bone mineral density apparatus. |
| Chiropractors | Chiropractic General X-Ray Unit | <ul style="list-style-type: none"> • Must be registered as a Chiropractor with the Australian Health Practitioner Regulation Agency (AHPRA). • Training, knowledge and/or experience in the safe use of X-ray apparatus for chiropractic examinations. |
| Dermatologists | Superficial/Orthovoltage Radiotherapy X-Ray Unit | <ul style="list-style-type: none"> • Must be registered as a medical practitioner with a specialty in dermatology with the Australian Health Practitioner Regulation Agency (AHPRA). • Training, knowledge and/or experience in the safe use of Superficial/Orthovoltage X-ray unit |
| Nuclear Medicine Specialists | Unsealed Radioactive Material used in Nuclear Medicine Medical Diagnostic Imaging Units | <ul style="list-style-type: none"> • Must be registered as a specialist nuclear medicine physician with Australian Health Practitioner Regulation Agency (AHPRA). • Must have successfully undertaken Advanced Training in Nuclear Medicine as overseen by the Joint Specialist Advisory Committee in Nuclear Medicine (JSAC). |
| Nuclear Medicine Specialist / Radiologists | Unsealed Radioactive Material used in Nuclear Medicine Medical Diagnostic Imaging Units | <ul style="list-style-type: none"> • Must be registered as a medical practitioner with a specialty in radiology with the Australian Health Practitioner Regulation Agency (AHPRA). • Must have successfully undertaken Advanced Training in Nuclear Medicine as overseen by the Joint Specialist Advisory Committee in Nuclear Medicine (JSAC). |

Medical (Continued)

| Occupation | Radiation Source(s) | Prerequisites |
|--------------------------------|--|--|
| Nuclear Medicine Technologists | Unsealed Radioactive Material used in Nuclear Medicine | <ul style="list-style-type: none"> Must be registered as a nuclear medicine technologist with the Australian Health Practitioner Regulation Agency (AHPRA). |
| | Computed Tomography (CT) Scanner used for nuclear medicine technology (inc. SPECT/CT, PET) | <ul style="list-style-type: none"> Must be registered as a nuclear medicine technologist with the Australian Health Practitioner Regulation Agency (AHPRA) Training, knowledge and/or experience in the use of diagnostic CT for nuclear medicine. |
| | Computed Tomography (CT) Scanner used for diagnostic radiography and nuclear medicine technology | <ul style="list-style-type: none"> Must be registered as a nuclear medicine technologist with the Australian Health Practitioner Regulation Agency (AHPRA) Training, knowledge and/or experience in the use of diagnostic CT. |
| Ophthalmologists | Ophthalmic Strontium-90 Applicator | <ul style="list-style-type: none"> Must be registered as a medical practitioner with a specialty in ophthalmology with the Australian Health Practitioner Regulation Agency (AHPRA). Training, knowledge and/or experience in the safe use of Sr-90 applicators. |
| Pathologists | Blood Irradiator | <ul style="list-style-type: none"> Must have successfully completed in-house training in the use of blood irradiation equipment. |
| Radiation Oncologists | Medical Therapeutic Radiation Sources | <ul style="list-style-type: none"> Must be registered as a medical practitioner with a specialty in radiation oncology with the Australian Health Practitioner Regulation Agency (AHPRA). |
| Radiation Therapists | Medical Therapeutic Radiation Sources | <ul style="list-style-type: none"> Must be registered as a radiation therapist with the Australian Health Practitioner Regulation Agency (AHPRA). |

Medical (Continued)

| Occupation | Radiation Source(s) | Prerequisites |
|--|----------------------------------|--|
| Radiologists | Medical Diagnostic Imaging Units | <ul style="list-style-type: none"> Must be registered as a medical practitioner with a specialty in radiology with the Australian Health Practitioner Regulation Agency (AHPRA). |
| Medical Specialists (including Cardiologist, Vascular Surgeon, Orthopaedic Surgeon, Urologist) | Medical Fluoroscopic X-Ray Unit | <ul style="list-style-type: none"> Must be registered as a medical specialist with the Australian Health Practitioner Regulation Agency (AHPRA). Training, knowledge and/or experience in radiation safety with respect to fluoroscopic X-ray equipment. |

Dental

| Occupation | Radiation Source(s) | Prerequisites |
|--|---|--|
| Dentists Dental Hygienists Dental Therapists Oral Health Therapists | General Dental X-Ray Sources <i>(including Intra-Oral X-Ray Units, Panoramic X-Ray Units and Cephalometric X-Ray Units)</i> | <ul style="list-style-type: none"> Must be registered as a dental practitioner with the Australian Health Practitioner Regulation Agency (AHPRA). |
| Dentists | Specialist Dental X-Ray Sources <i>(including Dental 3D Volumetric or CBCT X-Ray Units)</i> | <ul style="list-style-type: none"> Must be registered as a dental practitioner with the Australian Health Practitioner Regulation Agency (AHPRA). Must be able to demonstrate successful completion of recognised radiation safety training knowledge and/or experience with respect to dental 3D volumetric x-ray apparatus (CBCT). |
| Dental Assistants Dental Nurses | General Dental X-Ray Sources <i>(including Intra-Oral X-Ray Units, Panoramic X-Ray Units and Cephalometric X-Ray Units)</i> | <ul style="list-style-type: none"> Training, knowledge and/or experience in dental assisting with radiography, such as Certificate IV in Dental Assisting – Radiography (HLT45015). |

Veterinary

| Occupation | Radiation Source(s) | Prerequisites |
|---------------------|--|---|
| Veterinary Nurses | Veterinary General X-Ray Unit | <ul style="list-style-type: none"> Must have successfully completed a Certificate IV course in Veterinary Nursing. |
| Veterinary Surgeons | General Veterinary X-Ray Apparatus | <ul style="list-style-type: none"> Must be currently registered with the ACT Veterinary Practitioners Board. |
| | Specialist Veterinary X-Ray Apparatus <i>(including Fluoroscopic Apparatus and Computed Tomography)</i> | <ul style="list-style-type: none"> Must be currently registered with the ACT Veterinary Practitioners Board. Training, knowledge and/or experience in radiation safety with respect to fluoroscopic and/or computed tomography X-ray equipment. |
| | Unsealed Radioactive Material used in Veterinary Nuclear Medicine | <ul style="list-style-type: none"> Must be currently registered with the ACT Veterinary Practitioners Board. Training, knowledge and/or experience in radiation safety with respect to unsealed radioactive material. |

Other

| Occupation | Radiation Source(s) | Prerequisites |
|--------------------------|---|--|
| Borehole Loggers | Borehole Logging Radiation Sources | <ul style="list-style-type: none"> Must have successfully completed in-house training in the use of borehole logging equipment. |
| Forensic Radiographers | Medical General X-Ray Unit Medical Fluoroscopic X-Ray Unit Computed Tomography (CT) Scanner | <ul style="list-style-type: none"> Training, knowledge and/or experience in radiation safety relevant to the type of equipment that will be used. |
| Industrial Radiographers | Industrial Radiography Sealed Source Apparatus Industrial Radiography X-Ray Unit | <ul style="list-style-type: none"> Training, knowledge and/or experience in radiation safety with respect to industrial radiography. |

Other (Continued)

| Occupation | Radiation Source(s) | Prerequisites |
|---|--|---|
| Medical Physicists | Medical Diagnostic Radiation Sources | <ul style="list-style-type: none"> • Training, knowledge and/or experience in Medical Physics (e.g. accredited by the Australasian College of Physical Scientists and Engineers in Medicine (ACPSEM)). |
| Portable Nuclear Moisture/Density Gauge Operators | Portable Nuclear Moisture/Density Gauges | <ul style="list-style-type: none"> • Training, knowledge and/or experience in radiation safety with respect to portable nuclear moisture/density gauges. |
| Radiochemists Radiopharmacists | Unsealed Radioactive Material | <ul style="list-style-type: none"> • Training, knowledge and/or experience in radiation safety appropriate to the profession. |
| Security | Security Detection Apparatus | <ul style="list-style-type: none"> • Training, knowledge and/or experience in radiation safety. |
| Service Technicians Service Engineers | Radiation Sources | <ul style="list-style-type: none"> • Must supply evidence of training in the servicing of radiation apparatus. • Training, knowledge and/or experience in radiation safety. |

Accessibility

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