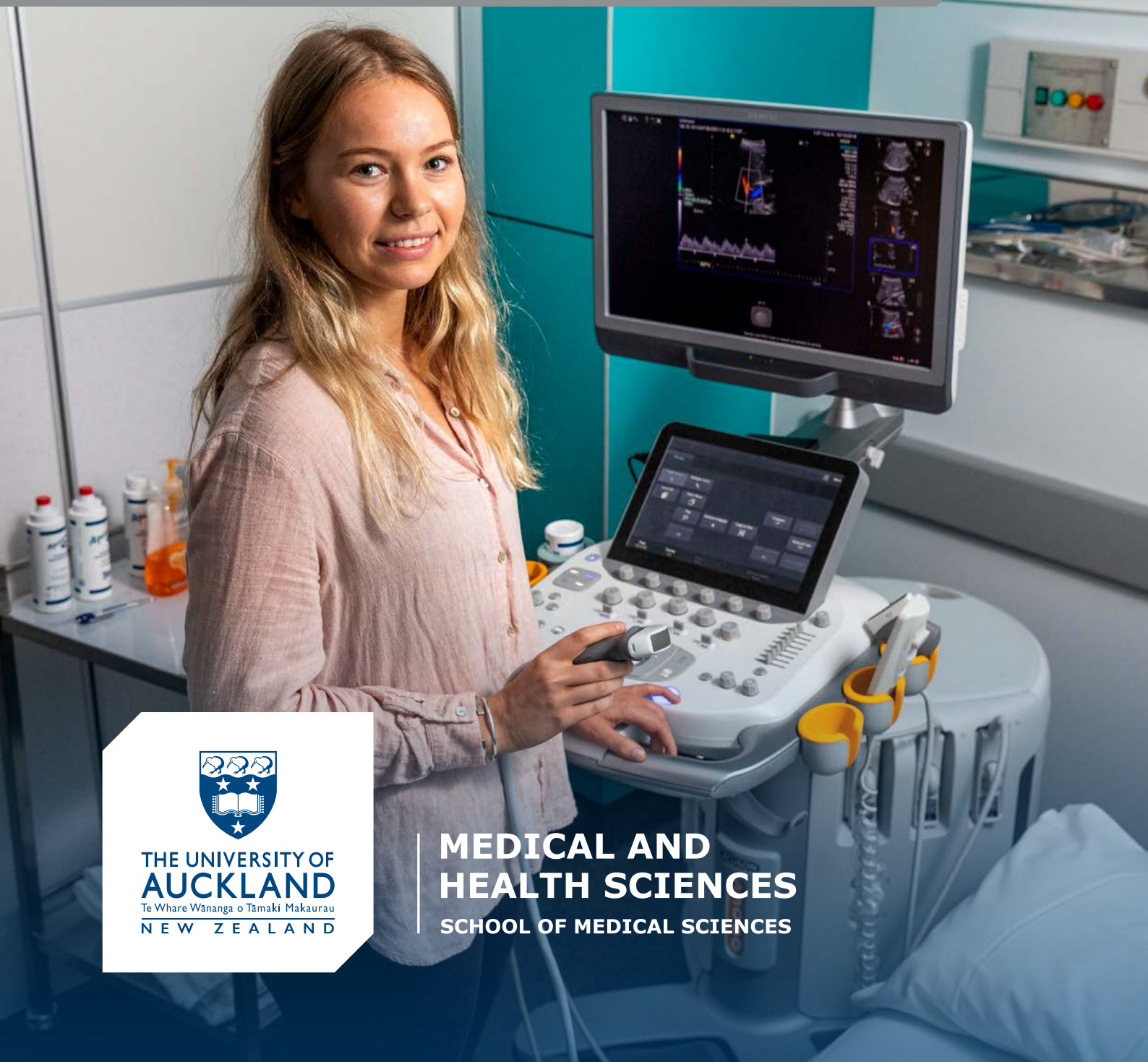


Medical Imaging

Postgraduate Handbook 2020



THE UNIVERSITY OF
AUCKLAND
Te Whare Wananga o Tamaki Makaurau
NEW ZEALAND

**MEDICAL AND
HEALTH SCIENCES**
SCHOOL OF MEDICAL SCIENCES

Welcome to Medical Imaging at the University of Auckland

On behalf of the Medical Imaging academic staff, I would like to welcome you to the University of Auckland postgraduate programmes. Welcome to the University's interactive learning and research community. We are eager to have your participation online and in person as you pursue higher learning. In particular we want to invite you to bring your professional experience as the basis for further study and to be inspired by what is possible as you seek to push back the frontiers by gaining new knowledge and discovering new knowledge that will advance your profession and ultimately contribute to better health outcomes for New Zealanders.

“Excellence is the gradual result of always striving to do better.”

– Pat Riley

“The secret of joy in work is contained in one word – excellence. To know how to do something well is to enjoy it.”

– Pearl S Buck

Our goal is to promote a safe environment for learning that encourages deep learning, an ongoing curiosity and a desire to move the profession forward. We want you to be challenged by what you learn and to challenge the status quo in the hope of advancing Medical Imaging to better serve those who undergo Medical Imaging investigations.

I encourage you to utilise the excellent resources the department has to offer, to engage with the staff in order to make the most of your education experience and to find as many ways as possible your postgraduate education can add value to your own experience, work place and your life experience.

Best wishes,

Professor Maurice Curtis
Head of Department of
Anatomy and Medical Imaging



Contents

What is Medical Imaging?	1
About the Department of Anatomy and Medical Imaging	2
The Medical Imaging Team	3
Our postgraduate programmes	4
Specialisations	6
Postgraduate Certificate in Health Sciences (Medical Imaging)	6
Postgraduate Certificate in Health Sciences (Mammography)	7
Postgraduate Diploma in Health Sciences (Medical Imaging)	10
Postgraduate Diploma in Health Sciences (Medical Imaging – Nuclear Medicine pathway)	12
Postgraduate Diploma in Health Science (Magnetic Resonance Imaging)	14
Postgraduate Diploma in Health Science (Ultrasound)	15
Course descriptions	17
Course schedule 2020	20
Eligibility for entry, timeframes and regulations	21
Postgraduate Certificate in Health Sciences	21
Postgraduate Diploma in Health Sciences	22
Master of Health Sciences	23
Admission, enrolment and fees	25
New students	25
Apply and enrol online	26
How to apply and enrol online	27
Fees and funding	30
Changing programmes	30
Changing course enrolment	30
The University of Auckland resources and facilities	31
Support for postgraduate study	33
Supporting websites	34
Degree planner	35
Graduation	36
Important dates	37



LECTURE THEATRE 1 - AMRF AUDITORIUM

What is Medical Imaging?

Medical Imaging Technologists (MITs) can work in a variety of roles within Medical Imaging including general x-ray, CT scanning, mammography, ultrasound, MRI and nuclear medicine.

The study of Medical Imaging involves knowledge of human anatomy, physiology and pathology, positioning and imaging techniques, physics and radiation physics, as well as how to use x-ray equipment alongside the safety issues related to the use of radiation equipment and radioactive materials.

Medical Imaging is a patient-centred profession. The role involves acting as an advocate for patients, displaying a high level of professionalism and functioning as part of the multidisciplinary team. Technologists are required to perform high-quality diagnostic imaging procedures and ensure holistic patient care. The role of the Medical Imaging Technologist (MIT) is ever-changing with the introduction of more complex technologies, increased demand on clinical imaging and educational opportunities.

Medical Imaging postgraduate study is available for those working professionally in Medical Imaging departments and also for other interested professionals who wish to broaden their knowledge base of Medical Imaging. Postgraduate qualifications are required for professional registration purposes in the imaging technology sub-specialties of Magnetic Resonance Imaging (MRI), Ultrasound and Nuclear Medicine.

Medical Imaging

Medical Imaging is the practice of obtaining diagnostic images and providing imaging guidance in interventional procedures, using a range of technologies. It is performed by Medical Imaging Technologists, historically known as radiographers. These health practitioners are required to combine scientific skills and knowledge with patient care into their working practice. In New Zealand, these practitioners are required to be registered with the Medical Radiation Technologists Board (MRTB) in order to be eligible to practise clinically and hold an Annual Practising Certificate (APC).

New Zealand Graduates

The New Zealand qualification required for registration as a Medical Imaging Technologist is a Bachelor of Health Science (Medical Imaging), Bachelor of Applied Science (Medical Imaging) or Bachelor of Medical Imaging. In 2019, a Bachelor of Medical Imaging (Honours) degree was introduced at the University of Auckland. This programme is the first undergraduate Medical Imaging programme to be offered by a university in New Zealand and the only degree to offer an honours option in Medical Imaging.



Mammography

Mammographers are qualified MITs specialising in diagnostic and/or BreastScreen Aotearoa (BSA) breast imaging services. This career pathway is also suitable for radiotherapists wishing to enter diagnostic imaging and work within BSA. Mammography is a challenging but rewarding clinical environment to participate in and is highly patient-focused. Mammographers require a sound understanding of the technical aspects of imaging breast anatomy and pathology, whilst addressing the emotional requirements of client care and communication.

Magnetic Resonance Imaging (MRI)

Magnetic Resonance Imaging (MRI) Technologists use very high-field strength magnets to obtain diagnostic images of the human body. These images provide information to assist doctors in diagnosing a wide range of neurological, musculoskeletal and body pathologies. MRI Technologists usually obtain an undergraduate degree in Medical Imaging first, before completing specialist postgraduate study and training in MRI. They should have an interest in physics as well as anatomy and pathology to ensure images of optimal quality are obtained, in addition to good people skills, as they have responsibility for the safety and care of patients in the MRI environment. These technologists work primarily in mid-to-large sized hospitals and private radiology departments.

Nuclear Medicine

A career in Nuclear Medicine is people-orientated and provides exposure to health sciences and computer technology. Compared to other modalities, Nuclear Medicine is unique in that it uses radioactive tracers to provide both structural and physiological information on almost any organ of the body to assist with the diagnosis and treatment of disease.

Ultrasound

Sonographers are health professionals who utilise their knowledge of human anatomy, pathophysiology, technology and physics in order to obtain diagnostic images, which assist in the diagnosis of disease and foetal abnormalities. Sonographers are employed in hospitals, universities and private clinics. They may also run their own business. Sonography is a highly sought after career, with New Zealand-trained sonographers in demand around the world. A career in ultrasound requires highly developed people skills, and a commitment to lifelong learning.

About the Department of Anatomy and Medical Imaging

The Department of Anatomy and Medical Imaging makes a major contribution to general courses in biomedical science teaching and offers specialist courses in the anatomical and imaging sciences. It comprises the disciplines of Anatomy and Medical Imaging and forms part of the School of Medical Sciences of the Faculty of Medical and Health Sciences.

The department also delivers the only postgraduate programmes in New Zealand for the Medical Imaging profession.

The research activities of staff are similarly wide ranging and multidisciplinary, extending from the molecular level, through biological structure, to studies on the whole body.

The department is widely recognised for several outstanding developments, including:

- The initiation of a state-of-the-art Biomedical Imaging Research Unit
- An internationally recognised human brain bank for neuroscience research
- A fully integrated facility that underpins anatomy, radiology and pathology teaching on the human body
- Auckland Medical Research Foundation (AMRF)
- Medical Sciences Learning Centre - Whakaaro Pai
- A broad range of high quality histology techniques Histology Laboratory.

Address

Department of Anatomy and Medical Imaging
Faculty of Medical and Health Sciences
University of Auckland
85 Park Road, Grafton
Auckland 1142, New Zealand

Medical Imaging Website

www.fmhs.auckland.ac.nz/medical-imaging



The Medical Imaging Team

Programme Director (interim)



Dr Beau Pontré

Senior Lecturer: Medical Imaging Physics

Phone: +64 9 923 8304

Email: b.pontre@auckland.ac.nz

Physics



Dr Samantha Holdsworth

Senior Lecturer: Medical Imaging Physics

Email: s.holdsworth@auckland.ac.nz

Magnetic Resonance Imaging (MRI)



Adrienne Young

Professional Teaching Fellow

Medical Imaging Postgraduate Programmes Coordinator

Phone: +64 9 923 2806

Email: aj.young@auckland.ac.nz

Ultrasound



Karen Wallis

Professional Teaching Fellow

Email: karen.wallis@auckland.ac.nz



Shelley Park

Professional Teaching Fellow

Medical Imaging Postgraduate Clinical Coordinator

Phone: +64 9 923 9513

Email: shelley.park@auckland.ac.nz



Adriana Mijatovic

Professional Teaching Fellow

Email: adriana.mijatovic@auckland.ac.nz

Medical Imaging



Tracey Pieterse

Professional Teaching Fellow

Medical Imaging Undergraduate Clinical Coordinator

Phone: +64 9 923 6100

Email: tracey.pieterse@auckland.ac.nz



Cathy Sorensen

Professional Teaching Fellow

Email: cathy.sorensen@auckland.ac.nz



Heather Gunn

Professional Teaching Fellow

Email: h.gunn@auckland.ac.nz

Mammography



Rhonda-Joy Sweeney

Professional Teaching Fellow

Email: r.sweeney@auckland.ac.nz



Catherine Lyman

Professional Teaching Fellow

Email: c.lyman@auckland.ac.nz

Nuclear Medicine



Karen Wiki

Professional Teaching Fellow

Email: k.wiki@auckland.ac.nz



Dr Jill Yielder

Honorary Senior Lecturer (Medical Imaging)

Email: j.yielder@auckland.ac.nz



Loren Katchel

Academic Casual Staff (Clinical Specialist)

Our postgraduate programmes

Postgraduate Certificate in Health Sciences (Medical Imaging)

Includes:

- CT pathway
- Image Evaluation pathway

Postgraduate Certificate in Health Sciences (Mammography)

Postgraduate Diploma in Health Sciences (Medical Imaging)

Includes:

- Nuclear Medicine pathway
- Image Evaluation pathway

Postgraduate Diploma in Health Sciences (Magnetic Resonance Imaging)

Postgraduate Diploma in Health Sciences (Ultrasound)

All of these programmes are predominantly comprised of courses selected from Medical Imaging (MEDIMAGE) and/or Clinical Imaging (CLINIMAG). These courses present the state-of-the-art in each discipline, are research-led and supported by the cutting-edge clinical and educational facilities offered in the faculty.

All MEDIMAGE and CLINIMAG courses are worth 15 points and are available only by distance learning (with the exception of the on-campus ultrasound course CLINIMAG 709). All of these courses are fully online and delivered via the University's learning management system CANVAS. They incorporate a range of learning approaches including videos, webpages and digital resources from the Philson library.

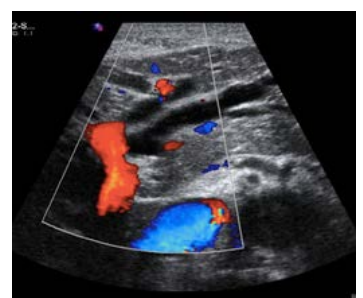
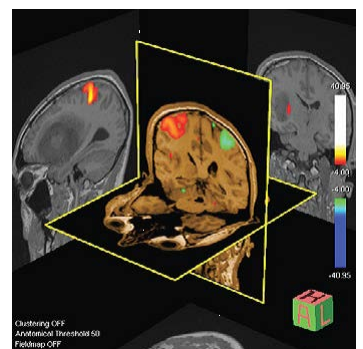
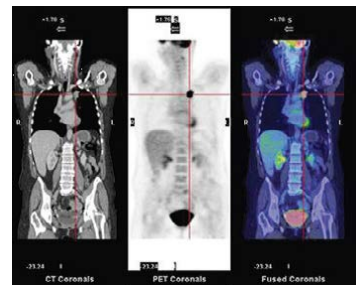
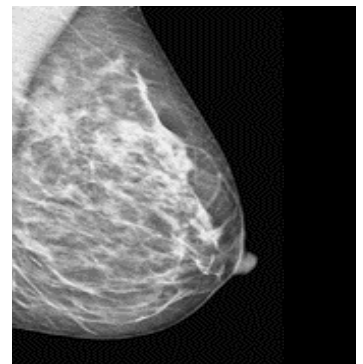
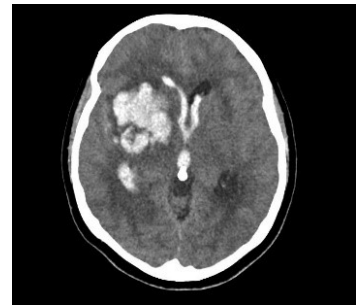
A Medical Imaging orientation workshop is offered at the beginning of each semester for those students new to the University and some courses may include 1-2 day block courses. These are on-campus events and while not compulsory, attendance is highly recommended.

A major feature of postgraduate study is a requirement for self-directed learning. This is achieved through assignments, reading, seminar presentations and online discussions. Study at postgraduate level means making a commitment to both professional and personal development as well as to new and challenging academic work. Postgraduate study is about investigating, analysing, critically evaluating, reflecting and responding to the challenges posed by practice and the academic environment.

A clinical competency assessment requirement must be successfully completed for the specialty modalities of Mammography, MRI, Nuclear Medicine, and Ultrasound. For the postgraduate diploma programmes, this will enable registration with the Medical Radiation Technologists Board (MRTB) in the appropriate scope of practice.

The faculty also offers the following research degrees, which may be of interest to students who have already completed some postgraduate study:

- Master of Health Sciences – MHSc
- Doctor of Philosophy – PhD





Catherine Lyman

Catherine is a Professional Teaching Fellow in the Medical Imaging programme, providing specialist expertise in the field of Computed Tomography (CT).

"I have been a Medical Imaging Technologist for 19 years, teaching postgraduate students at the University of Auckland since 2014. I have a particular interest in CT, completing a Postgraduate Certificate (Computed Tomography) at the University of Bradford, England in 2009 and working in various associated clinical roles since then. With the introduction of the new BMedImag(Hons) programme at the University of Auckland in 2019, I am looking forward to inspiring the next generation of Medical Imaging Technologists."

"My passion is high quality CT imaging, as this contributes to the best outcomes for patients. Holistic patient care is also a vital and rewarding part of being a Medical Imaging Technologist."

"My approach to teaching and learning is based on the concept that students more readily engage with material that has relevance to their clinical practice. I also feel that it is important that students engage in a community of practice so I encourage them to learn with and from one another."

"My knowledge and professional expertise is a result of my years of study, teaching and clinical experience. I continue to work clinically which ensures that my teaching is relevant and current. This clinical work keeps me abreast of imaging developments and new clinical practices, which helps me to teach current best practice and the latest technology."

"Attending international and national conferences and study events also maintains my level of knowledge of this rapidly evolving modality and ensures that my teaching is informed and evidence-based. The ongoing advances in Medical Imaging technology make learning so interesting!"

Postgraduate Certificate in Health Sciences (Medical Imaging)

Our PGCertHSc (Medical Imaging) programme

This programme is designed for Medical Imaging Technologists (MITs) seeking to extend their understanding of Medical Imaging and contribute to the improvement of clinical health services by implementing their knowledge and expertise within Medical Imaging services. Upon completion of the PGCertHSc (Medical Imaging) students can progress to the PGDipHSc (Medical Imaging).

Students may choose to follow a CT or Image Evaluation pathway as seen in the tables to the right, or to develop a more personalised pathway to suit their individual needs. Please email the Medical Imaging team to confirm your proposed pathway meets the programme requirements.

The Medical Imaging team

Email: medicalimaging@auckland.ac.nz

Many students complete a postgraduate certificate while looking for a clinical training position in MRI, ultrasound or nuclear medicine. These pathways provide the opportunity for students to demonstrate to potential employers their enthusiasm and aptitude for training in these modalities. In addition, should the student obtain a clinical training position within 5 years of completion of this certificate, the courses may be credited towards their postgraduate diploma programme.

To be eligible for admission to this programme, the student needs to have completed an undergraduate qualification in Medical Imaging.

Graduate profile

The following six themes represent the capabilities that the Medical Imaging discipline seeks to foster in all of its PGCertHSc (Medical Imaging) graduates. The development of these capabilities does not come all at once, but rather is expected to build from year to year. Each course is not expected to contribute to all capabilities, but each course will have its own goals and learning outcomes that relate to the overall development of this profile.

- Disciplinary knowledge and practice:** Graduates will be able to demonstrate an extended understanding of theory, practice and research, and apply this in a range of complex or advanced Medical Imaging clinical contexts.
- Critical thinking:** Graduates will be able to synthesise and critically evaluate ideas and information from multiple sources to develop coherent and evidence-based arguments, and inform their clinical decision-making.
- Solution seeking:** Graduates will be able to creatively and systematically address a range of clinical problems, and develop and justify practical and innovative solutions.
- Communication and engagement:** Graduates will be able to work effectively in teams and engage with diverse groups by communicating professionally using multiple formats.
- Independence and integrity:** Graduates will be able to work autonomously and ethically, demonstrating self-management, reflection, insight and personal accountability in a wide range of professional situations.
- Social and environmental responsibility:** Graduates will be able to ensure the safety and care of the patient while demonstrating respect for the principles underpinning the Treaty of Waitangi, as well as diversity, equity and sustainability within a global healthcare environment.

Schedule of courses

PGDipHSc (Medical Imaging)

Course Code	Course Name	S1	S2
MEDIMAGE 701	Imaging Anatomy and Pathology	■	■
MEDIMAGE 702	Professional Issues in Medical Imaging	■	■
At least 15 points from the following courses: MEDIMAGE 707-722, CLINIMAG 701-718		Dependent on student choice	
Up to 15 points from courses listed in the Master of Health Sciences Schedule			

PGDipHSc (Medical Imaging – CT pathway)

Course Code	Course Name	S1	S2
MEDIMAGE 701	Imaging Anatomy and Pathology	■	■
MEDIMAGE 702	Professional Issues in Medical Imaging	■	■
MEDIMAGE 710*	CT Imaging Technology	■	
CLINIMAG 717*	CT Clinical Applications		■

PGDipHSc (Medical Imaging – Image Evaluation pathway)

Course Code	Course Name	S1	S2
MEDIMAGE 701	Imaging Anatomy and Pathology	■	■
MEDIMAGE 702	Professional Issues in Medical Imaging	■	■
MEDIMAGE 711*	MSK Trauma Image Evaluation	Availability dependent on student numbers	
MEDIMAGE 712*	MSK Pathology Image Evaluation		
MEDIMAGE 718*	Acute Chest Image Evaluation		
MEDIMAGE 719*	Paediatric Image Evaluation		

*Students choose any two of these courses to complete the PGCertHSc (Medical Imaging – Image Evaluation pathway)

PGDipHSc (Medical Imaging – pre-MRI pathway)

Course Code	Course Name	S1	S2
MEDIMAGE 701	Imaging Anatomy and Pathology	■	■
MEDIMAGE 702	Professional Issues in Medical Imaging	■	■
MEDIMAGE 714	Fundamentals of Clinical MRI	■	■
MEDIMAGE 715	MRI Technology		■

PGDipHSc (Medical Imaging – pre-ultrasound pathway)

Course Code	Course Name	S1	S2
MEDIMAGE 701	Imaging Anatomy and Pathology	■	■
MEDIMAGE 702	Professional Issues in Medical Imaging	■	■
MEDIMAGE 716	Fundamentals of Clinical Ultrasound	■	■
MEDIMAGE 717	Ultrasound Imaging Technology	■	

For more information:

www.auckland.ac.nz/medical-imaging

Postgraduate Certificate in Health Sciences (Mammography)

Our PGCertHSc (Mammography) programme

This programme provides a combination of academic and clinical elements ensuring graduates from this programme meet the mammography competencies as defined by the New Zealand Medical Radiation Technologists Board (MRTB).

Graduates of the PGCertHSc (Mammography) will be able to provide high level expertise in breast imaging and may contribute to national breast screening programmes. They will also be able to progress to further study in Medical Imaging.

For admission to this programme, the student must satisfy the Programme Director that they are employed in an appropriate clinical training position. It is the responsibility of the student to obtain this position. Appropriate supervision of the student must also be provided by a qualified and experienced member of staff who is registered in the Medical Imaging Scope of Practice and holds a current Annual Practising Certificate (APC).

This qualification is a New Zealand Medical Radiation Technologists Board (MRTB) approved pathway for:

- Radiation Therapists to practise in Mammography
- Return to work pathway for Medical Imaging Technologists to return to work in Mammography only (Please note this pathway must be approved by the Board before study is commenced)

Workplace clinical requirements

In order to develop the necessary technical, clinical and diagnostic skills, students must be exposed to a large number and wide range of mammographic examinations. Completion of the training period will demand that the student has experienced a minimum of 300 clinical hours.

Additionally, the minimum total number of mammographic examinations to be recorded is 300, of which no fewer than 200 must be performed without assistance.

Assessment of clinical competency will also occur in the student's workplace throughout the duration of their enrolment within this programme until the completion of CLINIMAG 708 (Mammographic Clinical Practice). Students will not be able to compensate an inadequate clinical assessment with excellent academic work.

Graduate profile

The following six themes represent the capabilities that the Medical Imaging discipline seeks to foster in all of its PGCertHSc (Mammography) graduates. The development of these capabilities does not come all at once, but rather is expected to build from year to year. Each course is not expected to contribute to all capabilities, but each course will have its own goals and learning outcomes that relate to the overall development of this profile.

Graduate Profile: PGCertHSc (Mammography)

1. **Disciplinary knowledge and practice:** Graduates will be able to demonstrate specialist knowledge in the field of mammography and be able to apply relevant theory and research to clinical practice.
2. **Critical thinking:** Graduates will be able to synthesise and critically evaluate ideas and information from multiple sources to develop coherent and evidence-based arguments, and inform their clinical decision-making.
3. **Solution seeking:** Graduates will be able to creatively and systematically address a range of clinical problems, and develop and justify practical and innovative solutions.
4. **Communication and engagement:** Graduates will be able to work effectively in teams and engage with diverse groups by communicating professionally using multiple formats.
5. **Independence and integrity:** Graduates will be able to work autonomously and ethically, demonstrating self-management, reflection, insight and personal accountability in a wide range of professional situations.
6. **Social and environmental responsibility:** Graduates will be able to ensure the safety and care of the patient while demonstrating respect for the principles underpinning the Treaty of Waitangi, as well as diversity, equity and sustainability within a global healthcare environment.

Schedule of courses

PGDipHSc (Mammography)

Course Code	Course Name	S1	S2
MEDIMAGE 702	Professional Issues in Medical Imaging	■	■
MEDIMAGE 707	Mammographic Technology	■	
CLINIMAG 708	Mammographic Clinical Practice		■
15 points from courses listed in the Master of Health Sciences Schedule		Dependent on student choice	

For more information:

www.fmhs.auckland.ac.nz/mammography



Left: Clinical Supervisor Fathima Okoroigwe working with student Aleisha Rackley at BreastScreen Waitematā Northland



Fathima Okoroigwe

Postgraduate Certificate in Health Sciences (Mammography) graduate Fathima Okoroigwe works at BreastScreen Waitematā Northland and is a Clinical Supervisor for the University of Auckland.

“My first experience with mammography was in 2001, in Singapore. I was asked to train as there was a shortage of MITs able to perform mammograms. In 2007, I was offered a position in a dedicated mammography centre in Johannesburg. This was an enlightening experience, as we were one of the first private radiology practices in South Africa to perform digital mammography and tomosynthesis.

“I was fortunate to work with a radiologist who was passionate about breast imaging. As a result, I realised that a mammogram was more than screening and obtaining four images. We as mammographers have a great responsibility to the women we image to make a scary, uncomfortable experience one they will return for. After over 10 years of being a full-time mammographer, I still find mammography interesting and technically challenging.

“I have always enjoyed teaching, and opted to do a Clinical Supervision course as part of my Postgraduate Certificate in Health Sciences (Mammography) at the University of Auckland. In 2017, I followed this with a Postgraduate Certificate in Clinical Education!

“Three years ago I became a Clinical Supervisor for BreastScreen Aotearoa, and I find this role very interesting as I watch my student grow and develop, much like watching a baby bird leave the nest! I enjoy establishing a relationship with my student, helping them develop the confidence to seek feedback and become more reflective in their practice. It’s very fulfilling knowing that you have contributed to teaching someone a skill to use throughout their career.

“I often feel as a supervisor that we teach and learn at the same time. I find the University of Auckland’s online supervisor support website very helpful, as I can refresh my memory about specific clinical assessment criteria. I often refer to the library resources as this keeps my knowledge updated and helps me provide relevant support to my student. The Medical Imaging staff have also proven to be very supportive!”



Kim Lewis

Postgraduate Diploma in Health Sciences (Medical Imaging) graduate Kim Lewis works as a Medical Imaging Technologist and clinical tutor for the Taranaki District Health Board.

"I was looking for a good way of getting CPD points and to increase my knowledge of radiography. I was specifically interested in image evaluation papers so I chose to study at the University of Auckland because they provided these in a distance learning environment and I could study while working. The best thing about this programme is the teaching staff. Everyone is friendly, approachable and helpful. They listen to concerns, are always supportive, and they answer all questions no matter how silly the questions feel!"

"Doing this study has really improved my job satisfaction; the papers are very relevant to my clinical practice and I have a far greater understanding of what I am looking at on images. When working in a very small remote hospital, I would frequently be asked by the GPs my opinion on images so I wanted to increase my knowledge so I could give a more

informed opinion. This increased level of knowledge has also proved useful when working with students. Being able to guide them to find the answers to their questions and pointing out abnormalities on images that may otherwise have been overlooked has been valuable to their education also.

"Doing these papers has also increased my confidence to make decisions on my own, such as bringing particular studies to the attention of the doctors when necessary. I am also able to better advocate for my patients either by not doing examinations that are unnecessary, discussing what examinations may be better given the indications, or even adding additional views to ensure the correct diagnosis.

"I am very interested in research and encouraging other radiographers to get involved. I hope in the future there will be more scope for radiographers to get into leadership areas, using their research skills to improve radiology services and help improve patient outcomes. As such, I am continuing with further study and have started my Master's degree with the intention of pursuing a PhD after that!"

Postgraduate Diploma in Health Sciences (Medical Imaging)

PGDipHSc (Medical Imaging)

This programme is designed for Medical Imaging Technologists (MITs) seeking to extend their understanding of Medical Imaging.

Graduates of the PGDipHSc (Medical Imaging) will be prepared to contribute to the improvement of clinical health services offered to the New Zealand public by implementing their knowledge and expertise within Medical Imaging. Graduates will also be able to advance to Masters level study and contribute to the development of Medical Imaging services through research.

Graduate profile

The following six themes represent the capabilities that the Medical Imaging discipline seeks to foster in all of its PGDipHSc (Medical Imaging) graduates. The development of these capabilities does not come all at once, but rather is expected to build from year to year. Each course is not expected to contribute to all capabilities, but each course will have its own goals and learning outcomes that relate to the overall development of this profile.

- Disciplinary knowledge and practice:** Graduates will be able to demonstrate an extended understanding of theory, practice and research, and apply this in a range of complex or advanced Medical Imaging clinical contexts.
- Critical thinking:** Graduates will be able to synthesise and critically evaluate ideas and information from multiple sources to develop coherent and evidence-based arguments, and inform their clinical decision-making.
- Solution seeking:** Graduates will be able to creatively and systematically address a range of clinical problems, and develop and justify practical and innovative solutions.
- Communication and engagement:** Graduates will be able to work effectively in teams and engage with diverse groups by communicating professionally using multiple formats.
- Independence and integrity:** Graduates will be able to work autonomously and ethically, demonstrating self-management, reflection, insight and personal accountability in a wide range of professional situations.
- Social and environmental responsibility:** Graduates will be able to ensure the safety and care of the patient while demonstrating respect for the principles underpinning the Treaty of Waitangi, as well as diversity, equity and sustainability within a global healthcare environment.

PGDipHSc (Medical Imaging)

Course Code	Course Name	S1	S2
MEDIMAGE 701	Imaging Anatomy and Pathology	■	■
MEDIMAGE 702	Professional Issues in Medical Imaging	■	■
60 points from MEDIMAGE 703-722, CLINIMAG 701-718		Dependent on student choice	
30 points from courses listed in the Master of Health Sciences Schedule		Dependent on student choice	

PGDipHSc (Medical Imaging – Image Evaluation pathway)

Course Code	Course Name	S1	S2
MEDIMAGE 701	Imaging Anatomy and Pathology	■	■
MEDIMAGE 702	Professional Issues in Medical Imaging	■	■
MEDIMAGE 711	MSK Trauma Image Evaluation	■	
MEDIMAGE 712	MSK Pathology Image Evaluation		■
MEDIMAGE 718	Acute Chest Image Evaluation	These course will not be offered in 2020	
MEDIMAGE 719	Paediatric Image Evaluation		
30 points from courses listed in the Master of Health Sciences Schedule		Dependent on student choice	

For more information:

www.auckland.ac.nz/medical-imaging



Rachel Barrass

Postgraduate Diploma in Health Sciences (Medical Imaging) graduate Rachel Barrass works as a Nuclear Medicine Technologist at Specialist Radiology & MRI in Auckland.

“I chose to become a Nuclear Medicine Technologist because I liked the varied aspects of Nuclear Medicine as a modality, allowing a good combination of lab and image processing work whilst still having plenty of patient contact.”

“The University of Auckland is the only university which provides a Nuclear Medicine postgraduate qualification in New Zealand. With its great reputation I knew it would offer a fantastic learning environment. I have particularly liked that the academic programme is relevant to the clinical setting and that all of the courses aided and complemented my clinical learning.”

“All of the lecturers and support staff whom I encountered during my study were extremely helpful, approachable and friendly. I used the Student Services learning advisers for help and advice on improving future assignments. I found this to be extremely helpful and I would recommend other students take advantage of this service. I also couldn’t have asked for a more supportive, knowledgeable Clinical Supervisor.”

“This qualification has enabled me to be a confident and competent Nuclear Medicine Technologist. I intend to focus on consolidating my existing knowledge base, then maybe consider further study in the future.”

Postgraduate Diploma in Health Sciences (Medical Imaging – Nuclear Medicine pathway)

PGDipHSc (Medical Imaging – Nuclear Medicine pathway)

This programme provides a combination of academic and clinical elements ensuring graduates from this programme will be eligible for registration with the regulatory body, the New Zealand Medical Radiation Technologists Board (MRTB).

Graduates of the PGDipHSc (Medical Imaging – Nuclear Medicine pathway) will be prepared to contribute to the improvement of clinical health services offered to the New Zealand public by implementing their knowledge and expertise within Medical Imaging, specifically within Nuclear Medicine. Graduates will also be able to advance to Master's level study and contribute to the development of Medical Imaging services through research.

For admission to this programme, the student must satisfy the Programme Director that they are employed in an appropriate clinical training position. It is the responsibility of the student to obtain this position. Appropriate supervision of the student must also be provided by a qualified and experienced member of staff who is registered in the Nuclear Medicine Scope of Practice and holds a current Annual Practising Certificate (APC).

Workplace clinical requirements

In order to develop the necessary technical, clinical and diagnostic skills, trainees must be exposed to a large number and wide range of Nuclear Medicine examinations. By completion of the training period the requirement is that the student has experienced a minimum of 2000 clinical hours.

Additionally, the minimum total number of Nuclear Medicine examinations to be recorded is 1000, of which no fewer than 500 must be performed without assistance. Within the Nuclear Medicine pathway, there is also a requirement for familiarisation and competency of processes and procedures additional to imaging. These are predominantly laboratory based and include a significant focus on quality assurance and radiation safety.

Assessment of clinical competency will also occur in the student's workplace throughout the duration of their enrolment within this programme. Students will not be able to compensate an inadequate clinical assessment with excellent academic work.

A final clinical competency assessment, Structured Observation and Assessment of Practice (SOAP), must be performed at the student's workplace and passed. Successful completion of this qualification will enable registration with the MRTB in the Nuclear Medicine Scope of Practice.

Graduate profile

The following six themes represent the capabilities that the Medical Imaging discipline seeks to foster in all of its PGDipHSc (Medical Imaging - Nuclear Medicine pathway) graduates. The development of these capabilities does not come all at once, but rather is expected to build from year to year. Each course is not expected to contribute to all capabilities, but each course will have its own goals and learning outcomes that relate to the overall development of this profile.

1. **Disciplinary knowledge and practice:** Graduates will be able to demonstrate specialist knowledge in the field of nuclear medicine and be able to apply relevant theory and research to clinical practice.

2. **Critical thinking:** Graduates will be able to synthesise and critically evaluate ideas and information from multiple sources to develop coherent and evidence-based arguments, and inform their clinical decision-making.
3. **Solution seeking:** Graduates will be able to creatively and systematically address a range of clinical problems, and develop and justify practical and innovative solutions.
4. **Communication and engagement:** Graduates will be able to work effectively in teams and engage with diverse groups by communicating professionally using multiple formats.
5. **Independence and integrity:** Graduates will be able to work autonomously and ethically, demonstrating self-management, reflection, insight and personal accountability in a wide range of professional situations.
6. **Social and environmental responsibility:** Graduates will be able to ensure the safety and care of the patient while demonstrating respect for the principles underpinning the Treaty of Waitangi, as well as diversity, equity and sustainability within a global healthcare environment.

Schedule of courses

PGDipHSc (Medical Imaging – Nuclear Medicine pathway)

Course Code	Course Name	S1	S2
MEDIMAGE 701	Imaging Anatomy and Pathology	■	■
MEDIMAGE 702	Professional Issues in Medical Imaging	■	■
MEDIMAGE 720	Fundamentals of Clinical Nuclear Medicine		■
MEDIMAGE 708	Nuclear Medicine Technology	These courses will not be offered in 2020	
CLINIMAG 705	Nuclear Medicine Clinical Applications		
CLINIMAG 706	Nuclear Medicine Specialised Clinical Applications	■	
CLINIMAG 716	Nuclear Medicine Clinical Practice	■	■
15 points from courses listed in the Master of Health Sciences Schedule		Dependent on student choice	

For more information

www.fmhs.auckland.ac.nz/nuclear-medicine



Caitlin McLean

Postgraduate Diploma in Health Sciences (MRI) student
Caitlin McLean works as a trainee MRI Technologist at
Ascot Radiology, Auckland.

“In 2018 the University of Auckland opened up the postgraduate MRI diploma to individuals with significant health science backgrounds. Due to my previous qualifications in exercise science and rehabilitation I was eligible to enrol in the course, and I was fortunate enough to be offered a clinical training position at Ascot Radiology.

“MRI is a complex imaging modality which has always fascinated me, and I saw this as an excellent opportunity to challenge myself and extend my education in this evolving clinical field. I was drawn to the familiarity of UoA, as it is where I completed previous undergraduate and postgraduate studies. Additionally, the postgraduate MRI diploma has an excellent reputation and is widely recognised internationally.

“The academic programme has aligned well with my clinical training thus far. I have found the MRI-specific papers particularly beneficial, and the knowledge gained has been integral for developing my confidence manipulating sequence parameters and making sound clinical decisions.

“The online format allows for a self-directed, flexible approach to study, so you can organise your coursework around your clinical training and personal life in a way that suits you best. The online conferences with teaching staff were extremely helpful and supplemented the coursework nicely.

“The course coordinators and supporting staff are friendly, helpful and provide an extremely supportive environment for students undertaking the qualification. The orientation at the Grafton campus provided a great opportunity to meet teaching staff and other students on the course, as well as learn how to navigate the online learning portal.

“At the end of this qualification I hope to be a competent and confident MRI technologist. I look forward to extending my clinical skillset and workplace roles, and would eventually like to help tutor future MRI students in the clinical setting.”

Postgraduate Diploma in Health Sciences (Magnetic Resonance Imaging)

Our PGDipHSc (Magnetic Resonance Imaging) programme

This programme provides a combination of academic and clinical elements ensuring graduates from this programme will be eligible for registration with the regulatory body, the New Zealand Medical Radiation Technologists Board (MRTB).

Graduates of the PGDipHSc (Magnetic Resonance Imaging) will be prepared to contribute to the improvement of clinical health services offered to the New Zealand public by implementing their knowledge and expertise within Medical Imaging, specifically within MRI. Graduates will also be able to advance to Master's level study and contribute to the development of Medical Imaging services through research.

For admission to this programme, the student must satisfy the Programme Director that they are employed in an appropriate clinical training position. It is the responsibility of the student to obtain this position. Appropriate supervision of the student must also be provided by a qualified and experienced member of staff who is registered in the Magnetic Resonance Imaging Scope of Practice and holds a current Annual Practising Certificate (APC).

Workplace clinical requirements

In order to develop the necessary technical, clinical and diagnostic skills, trainees must be exposed to a large number and wide range of MRI examinations. By completion of the training period the requirement is that the student has experienced a minimum of 2000 clinical hours.

Additionally, the minimum total number of MRI examinations to be recorded is 1000, of which no fewer than 500 must be performed without assistance.

Assessment of clinical competency will also occur in the student's workplace throughout the duration of their enrolment within this programme. Students will not be able to compensate an inadequate clinical assessment with excellent academic work.

A final clinical competency assessment, Structured Observation and Assessment of Practice (SOAP), must be performed at the student's workplace and passed. Successful completion of this qualification will enable registration with the MRTB in the Magnetic Resonance Imaging Scope of Practice.

Maximise your chances of obtaining an MRI clinical training position

To obtain a training position, you need to approach MRI Team Leaders of the District Health Boards and/or private radiology facilities in your area who provide MRI services to see if any training positions are available. These positions are also often advertised on websites such as seek.co.nz or kiwihealthjobs.com

We offer Medical Imaging practitioners the opportunity to enrol in a PGCertHSc (Medical Imaging) and complete four courses that may then be credited towards the MRI diploma should you succeed in obtaining a training position within five years. This option demonstrates to potential employers your enthusiasm and aptitude! For further information on this pathway, please see pg. 6.

Graduate profile

The following six themes represent the capabilities that the Medical Imaging discipline seeks to foster in all of its PGDipHSc (Magnetic Resonance Imaging) graduates. The development of these capabilities does not come all at once, but rather is expected to build from year to year. Each course is not expected to contribute to all capabilities, but each course will have its own goals and learning outcomes that relate to the overall development of this profile.

- Disciplinary knowledge and practice:** Graduates will be able to demonstrate specialist knowledge in the field of magnetic resonance imaging (MRI) and be able to apply relevant theory and research to clinical practice.
- Critical thinking:** Graduates will be able to synthesise and critically evaluate ideas and information from multiple sources to develop coherent and evidence-based arguments, and inform their clinical decision-making.
- Solution seeking:** Graduates will be able to creatively and systematically address a range of clinical problems, and develop and justify practical and innovative solutions.
- Communication and engagement:** Graduates will be able to work effectively in teams and engage with diverse groups by communicating professionally using multiple formats.
- Independence and integrity:** Graduates will be able to work autonomously and ethically, demonstrating self-management, reflection, insight and personal accountability in a wide range of professional situations.
- Social and environmental responsibility:** Graduates will be able to ensure the safety and care of the patient while demonstrating respect for the principles underpinning the Treaty of Waitangi, as well as diversity, equity and sustainability within a global healthcare environment.

Schedule of courses

PGDipHSc (Magnetic Resonance Imaging)

Course Code	Course Name	S1	S2
MEDIMAGE 701	Imaging Anatomy and Pathology	■	■
MEDIMAGE 702	Professional Issues in Medical Imaging	■	■
MEDIMAGE 714	Fundamentals of Clinical MRI*	■	■
MEDIMAGE 715	MRI Technology		■
MEDIMAGE 721	MRI Safety (recommended)	■	
CLINIMAG 710	MRI Clinical Applications	■	
CLINIMAG 711	MRI Specialised Clinical Applications		■
CLINIMAG 712	MRI Clinical Practice	■	■

**As this course is a pre-requisite for all of the other MRI-specific courses, it is expected that students complete this in the first semester of their programme of study*

For more information

Postgraduate Diploma in Health Sciences (Ultrasound)

Our PGDipHSc (Ultrasound) programme

This programme provides a combination of academic and clinical elements ensuring graduates from this programme will be eligible for registration with the regulatory body, the New Zealand Medical Radiation Technologists Board (MRTB).

Graduates of the PGDipHSc (Ultrasound) will be prepared to contribute to the improvement of clinical health services offered to the New Zealand public by implementing their knowledge and expertise within Medical Imaging, and specifically within ultrasound. Graduates will also be able to advance to Master's level study and contribute to the development of Medical Imaging services through research.

For admission to this programme, the student must satisfy the Programme Director that they are employed in an appropriate clinical training position. It is the responsibility of the student to obtain this position. Appropriate supervision of the student must also be provided by a qualified and experienced member of staff who is registered in the Ultrasound Scope of Practice and holds a current Annual Practising Certificate (APC).

The Ultrasound programme is designed to be completed part-time and by distance learning, with the exception of CLINIMAG 709 (Principles of Clinical Ultrasound) which requires on-campus attendance.

For those interested in pursuing a career in ultrasound and who are NOT Medical Imaging Technologists, please refer to the University of Auckland website for more information: www.fmhs.auckland.ac.nz/ultrasound

Workplace clinical requirements

In order to develop the necessary technical, clinical and diagnostic skills, trainees must be exposed to a large number and wide range of Ultrasound examinations. By completion of the training period the requirement is that the student has experienced a minimum of 2000 clinical hours. Additionally, the minimum total number of Ultrasound examinations to be recorded is 2000, of which no fewer than 1000 must be performed without assistance.

Assessment of clinical competency will also occur in the student's workplace throughout the duration of their enrolment within this programme. Students will not be able to compensate an inadequate clinical assessment with excellent academic work.

A final clinical competency assessment, Structured Observation and Assessment of Practice (SOAP), must be performed at the student's workplace and passed. Successful completion of this qualification will enable registration with the MRTB in the Ultrasound Scope of Practice.

Maximise your chances of obtaining an ultrasound clinical training position

To obtain a training position, you need to approach Ultrasound Team Leaders of the District Health Boards and/or private radiology facilities in your area who provide ultrasound services to see if any training positions are available. These positions are also often advertised on websites such as seek.co.nz and kiwihealthjobs.com

We offer Medical Imaging practitioners and graduates from other health science related fields such as biomedical science, or an allied health profession, the opportunity to enrol in a Postgraduate Certificate in Health Sciences and complete four courses that may then be credited towards the ultrasound diploma should you succeed in obtaining a training position within five years. This option demonstrates to potential employers your enthusiasm and aptitude! For further information, please see pg. 6.

Graduate profile

The following six themes represent the capabilities that the Medical Imaging discipline seeks to foster in all of its PGDipHSc(Ultrasound) graduates. The development of these capabilities does not come all at once, but rather is expected to build from year to year. Each course is not expected to contribute to all capabilities, but each course will have its own goals and learning outcomes that relate to the overall development of this profile.

- Disciplinary knowledge and practice:** Graduates will be able to demonstrate specialist knowledge in the field of ultrasound and be able to apply relevant theory and research to clinical practice.
- Critical thinking:** Graduates will be able to synthesise and critically evaluate ideas and information from multiple sources to develop coherent and evidence-based arguments, and inform their clinical decision-making.
- Solution seeking:** Graduates will be able to creatively and systematically address a range of clinical problems, and develop and justify practical and innovative solutions.
- Communication and engagement:** Graduates will be able to work effectively in teams and engage with diverse groups by communicating professionally using multiple formats.
- Independence and integrity:** Graduates will be able to work autonomously and ethically, demonstrating self-management, reflection, insight and personal accountability in a wide range of professional situations.
- Social and environmental responsibility:** Graduates will be able to ensure the safety and care of the patient while demonstrating respect for the principles underpinning the Treaty of Waitangi, as well as diversity, equity and sustainability within a global healthcare environment.

Schedule of courses

PGDipHSc (Ultrasound)

Course Code	Course Name	S1	S2
MEDIMAGE 701	Imaging Anatomy and Pathology	■	■
MEDIMAGE 702	Professional Issues in Medical Imaging	■	■
MEDIMAGE 716	Fundamentals of Clinical Ultrasound*	■	■
MEDIMAGE 717	Ultrasound Imaging Technology	■	
CLINIMAG 709	Principles of Clinical Ultrasound OR	■	■
CLINIMAG 719	Ultrasound Abdominal Clinical Applications	■	■
CLINIMAG 713	Ultrasound Clinical Applications in Obstetrics and Gynaecology		■
CLINIMAG 715	Ultrasound Clinical Practice	■	■
CLINIMAG 720	Ultrasound Specialised Clinical Applications	■	

**As this course is a pre-requisite for all of the other ultrasound-specific courses, it is expected that students complete this in the first semester of their programme of study*

For more information

www.fmhs.auckland.ac.nz/ultrasound



Emma Tansey

Postgraduate Diploma in Health Sciences (Ultrasound) student Emma Tansey works as a trainee sonographer at Auckland City Hospital.

“Sonography is invaluable in the diagnostic pathway, combining specialised knowledge, problem solving and clinical practice in a demanding and enjoyable environment. Studying ultrasound has allowed me to advance my career through further education, developing new skills in a progressive and rewarding field.”

“I chose to study at the University of Auckland as it is highly regarded in tertiary education, providing high quality lecturers and a collaborative learning environment. The combination of hands on and theoretical learning offers a great balance between clinical practice and academic study.”

“The coursework is interesting and relevant, developing the essential skills and knowledge required to enter the workplace, through training using real life clinical scenarios. The University provides access to a wealth of easily accessible resources including an image database to support the learning and research processes.”

“Enthusiastic and encouraging staff, encompassing the highly knowledgeable teaching of lecturers and clinical tutors from a variety of healthcare facilities and backgrounds, provides a current and well-rounded learning experience.”

“The 12-week intensive course with small, intimate group sizes provided a personalised learning experience which supported me in developing a foundation of core skills. I have thoroughly benefitted from the encouraging and supportive classes and developed valuable friendships with like-minded students.”

“Ultrasound is a field I am passionate about and I hope to use this qualification as a baseline to set up my career, with the potential option for further specialisation at a later stage.”

Course descriptions

Offering of courses in each semester is dependent on sufficient student enrolment numbers and is therefore subject to change by the School of Medical Sciences.

Enrolment information explained

Prerequisite

A course that you must pass before you can start to study in this course.

Restriction

A course which is restricted against another course because the learning objectives, content, and/or assessment are so similar to the other course that you cannot gain credit for both courses towards a certificate, diploma, or degree.

Corequisite

A course that should be taken in the same semester as another unless it has previously been satisfactorily completed.

Department consent required

Before you can enrol in this course you must obtain permission to do so from the department. Contact your faculty student centre if you need help or advice. Refer to pg. 25 for further details.

MEDIMAGE 701

Imaging Anatomy and Pathology

Students will develop an integrated understanding of anatomy and pathology as it applies to medical imaging in the clinical context. The course introduces the principles of medical science at whole body, organ, tissue, cellular and subcellular levels and includes the fundamentals of anatomy, physiology and pathophysiology of the major systems of the human body in relation to specific regions and pathologies.

MEDIMAGE 702

Professional Issues in Medical Imaging

Students will investigate the concept of professional practice, leading to an exploration of current professional issues relevant to medical imaging including role development and advanced practice. The course will provide students with the knowledge to interact with individuals from a variety of backgrounds both ethically and with respect for their beliefs and values. The course also addresses medico-legal issues, decision-making and effective communication within the clinical setting.

MEDIMAGE 707

Mammographic Technology

Provides students with an in-depth understanding of mammographic technology and its application. The course addresses the scientific principles of the modality including image formation, technical parameters, radiation safety specific to mammography, image quality, artefacts and quality assurance. Equipment developments and new and evolving techniques will be examined.

MEDIMAGE 708

Nuclear Medicine Technology

Provides students with an in-depth understanding of Nuclear Medicine technology and its application. The course addresses scientific principles of the modality relating to standard clinical practice including image quality and quality assurance, Single Photon Emission Computed Tomography (SPECT), SPECT/CT, Positron Emission Tomography (PET) and PET/CT.

Prerequisite: MEDIMAGE 720

MEDIMAGE 710

CT Imaging Technology

Provides students with an in-depth understanding of CT technology and its application. The course addresses the scientific principles of the modality including image formation and reconstruction, technical parameters, radiation safety and dose reduction, image quality, artefacts, quality assurance and contrast agents. Equipment developments and new and evolving techniques will be examined.

MEDIMAGE 711

Musculoskeletal Trauma Image Evaluation

Provides students with the knowledge to evaluate radiographs of common musculoskeletal trauma in the clinical setting. Using a systematic method of image interrogation and a critical approach, students will develop the ability to provide a preliminary clinical image evaluation of common musculoskeletal trauma radiographs.

MEDIMAGE 712

Musculoskeletal Pathology Image Evaluation

Provides students with the knowledge to evaluate radiographs of common musculoskeletal pathologies in the clinical setting. Using a systematic method of image interrogation and a critical approach, students will develop the ability to provide a preliminary clinical image evaluation of common musculoskeletal pathology radiographs.

MEDIMAGE 714

Fundamentals of Clinical MRI

Provides a fundamental understanding of MRI technology and applications and addresses scientific principles of the modality including resonance and relaxation, image contrast, spatial encoding and digital image formation. Students will examine components of the clinical environment including MRI equipment, contrast agents, bio-effects and safety. In addition, students will analyse standard imaging protocols of the lumbar spine, knee and brain and normal and abnormal MR imaging appearances of these areas.

MEDIMAGE 715

MRI Technology

Provides an in-depth understanding of MRI technology and its applications and addresses scientific principles of the modality relating to standard clinical practice including pulse sequences, image quality and quality assurance, technical parameters and trade-offs, image optimisation, artefacts, parallel imaging, scanning at 3T, diffusion and MR angiography.

Prerequisite: MEDIMAGE 714

Restriction: MEDIMAGE 703, 704

MEDIMAGE 716

Fundamentals of Clinical Ultrasound

Provides a fundamental understanding of ultrasound technology and applications. Students will examine components of the clinical environment including transducer technology, quality assurance, bio-effects and safety. In addition, students will analyse standard imaging techniques and normal and abnormal imaging appearances of the renal tract, pelvis and first trimester of pregnancy.

MEDIMAGE 717

Ultrasound Imaging Technology

Provides students with the advanced scientific principles of ultrasound and their application. The course addresses Doppler principles, artefacts and instrumentation, electronic array technology, contrast agents, 3D and 4D scanning, equipment developments and new and evolving techniques.

Prerequisite: MEDIMAGE 716

MEDIMAGE 718

Acute Chest Image Evaluation

Provides students with the knowledge to evaluate acute chest radiographs in the clinical setting. Using a systematic method of image interrogation and a critical approach, students will develop the ability to provide a preliminary clinical image evaluation of common acute chest radiographs.

MEDIMAGE 719

Paediatric Image Evaluation

Provides students with the knowledge to evaluate radiographs of common paediatric trauma and pathologies in the clinical setting. Using a systematic method of image interrogation and a critical approach, students will develop the ability to provide a preliminary clinical image evaluation of common paediatric radiographs.

MEDIMAGE 720

Fundamentals of Clinical Nuclear Medicine

Provides a fundamental understanding of Nuclear Medicine technology and applications and addresses scientific principles of the modality including radioactivity, radiation detection and decay, dosimetry and radiopharmacy. Students will examine components of the clinical environment including equipment, laboratory procedures, bio-effects and radiation safety. In addition, students will analyse standard imaging protocols, normal and altered biodistribution and imaging appearances of the skeletal system.

MEDIMAGE 721

MRI Safety

Extends students' understanding of the underlying physical principles related to a range of MRI safety issues. The course will provide students with the opportunity to explore these safety issues in detail and to apply this knowledge in critically evaluating current policies and practices. New and emerging safety topics will also be examined.

CLINIMAG 705

Nuclear Medicine Clinical Applications

Addresses normal and altered radiopharmaceutical biodistribution appearances, protocol selection and development, and clinical applications associated with the endocrine, respiratory, gastrointestinal, hepatobiliary, genitourinary and central nervous systems.

Prerequisite: MEDIMAGE 720

CLINIMAG 706

Nuclear Medicine Specialised Clinical Applications

Addresses normal and altered radiopharmaceutical biodistribution appearances, and protocol selection and development, associated with cardiovascular, lymphatic and oncological applications in Nuclear Medicine. Students will also examine non-imaging radionuclide investigations and therapeutic applications associated with current and evolving Nuclear Medicine techniques.

Prerequisite: MEDIMAGE 720

CLINIMAG 707

CT Clinical Practice

Addresses normal and abnormal computed tomography (CT) imaging appearances, technique evaluation and adaptation, and includes reflection on clinical practice relating to CT. The course will ensure students develop the knowledge, competencies, skills and attitudes needed to demonstrate mastery in academic and professional capability in CT practice.

Prerequisite: MEDIMAGE 710

CLINIMAG 708

Mammographic Clinical Practice

Addresses normal and abnormal mammographic imaging appearances, technique evaluation and adaptation, and includes reflection on clinical practice relating to mammography. The course will ensure students develop the knowledge, competencies, skills and attitudes needed to demonstrate mastery in academic and professional mammographic practice.

Prerequisite: MEDIMAGE 707

CLINIMAG 709

Principles of Clinical Ultrasound

Provides a fundamental understanding of ultrasound technology and applications. Students will integrate physical principles of ultrasound including transducer technology, quality assurance, bio-effects and safety, and apply these to clinical practice. In addition, they will analyse standard imaging techniques, normal and abnormal imaging appearances of the abdomen, pelvis and lower leg veins and perform examinations of these areas.

Corequisite: MEDIMAGE 716

Restriction: CLINIMAG 719

CLINIMAG 710

MRI Clinical Applications

Addresses normal and abnormal imaging appearances, protocol selection and development, and applications associated with standard neurological, musculoskeletal and body MRI examinations.

Prerequisite: MEDIMAGE 714

Restrictions: CLINIMAG 701, 702

CLINIMAG 711

MRI Specialised Clinical Applications

Addresses complex scientific principles of MRI relevant to a range of specialised applications. Students will examine advanced pulse sequences and specialised procedures including breast MR, enterography, MR angiography, functional MRI and cardiac MRI. Techniques such as perfusion, spectroscopy, diffusion tensor imaging (DTI) and tractography will be investigated in addition to new and evolving techniques.

Prerequisite: MEDIMAGE 714

Restriction: CLINIMAG 702

CLINIMAG 712

MRI Clinical Practice

Develops the knowledge, competencies, skills and attitudes needed to demonstrate mastery in both academic and professional capability in MRI practice.

Prerequisite: Departmental approval required



Dr Beau Pontré, leading a physics tutorial

CLINIMAG 713

Ultrasound Clinical Applications in Obstetrics and Gynaecology

Addresses normal and abnormal ultrasound imaging appearances, in addition to adaptation of scanning techniques relating to gynaecology and obstetrics ultrasound imaging. Students will develop theoretical knowledge and reflect on competencies, skills and attitudes required for mastery in academic and professional ultrasound practice.

Prerequisite: MEDIMAGE 716

Restriction: CLINIMAG 703

CLINIMAG 715

Ultrasound Clinical Practice

Develops the knowledge, competencies, skills and attitudes needed to demonstrate mastery in both academic and professional capability in ultrasound practice.

Prerequisite: Departmental approval required

CLINIMAG 716

Nuclear Medicine Clinical Practice

Develops the knowledge, competencies, skills and attitudes needed to demonstrate mastery in both academic and professional capability in Nuclear Medicine practice.

Prerequisite: Departmental approval required

CLINIMAG 717

CT Clinical Applications

Addresses normal and abnormal Computed Tomography (CT) imaging appearances, protocol selection and modification, and application to clinical practice.

The course will ensure students develop the knowledge, skills and attitudes needed to demonstrate both academic and professional clinical decision making capability in CT practice.

Restriction: CLINIMAG 707

MEDIMAGE 710 is recommended as a prerequisite course, although not required.

CLINIMAG 719

Ultrasound Abdominal Clinical Applications

Addresses normal and abnormal ultrasound imaging appearances, scanning techniques and applications associated with abdominal ultrasound examinations. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical decision making and clinical competence.

Prerequisite: MEDIMAGE 716

Restriction: CLINIMAG 704, 709, 714

CLINIMAG 720

Ultrasound Specialised Clinical Applications

Addresses normal and abnormal ultrasound imaging appearances, scanning techniques and applications associated with musculoskeletal, vascular, small parts and paediatric ultrasound examinations. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical decision making and clinical competence.

Prerequisite: MEDIMAGE 716

Restriction: CLINIMAG 704, 714

Course schedule 2020

Course Code	Course Name	S1	S2	Course Coordinator
MEDIMAGE 701	Imaging Anatomy and Pathology	■	■	Adrienne Young
MEDIMAGE 702	Professional Issues in Medical Imaging	■	■	Rhonda-Joy Sweeney
MEDIMAGE 707	Mammographic Technology	■		Rhonda-Joy Sweeney
MEDIMAGE 708	Nuclear Medicine Technology	Next offered in 2021		Beau Pontré
MEDIMAGE 710	CT Imaging Technology	■		Catherine Lyman
MEDIMAGE 711	Musculoskeletal Trauma Image Evaluation	■		Heather Gunn
MEDIMAGE 712	Musculoskeletal Pathology Image Evaluation		■	Heather Gunn
MEDIMAGE 713	Special Studies	As required		
MEDIMAGE 714	Fundamentals of Clinical MRI	■	■	Adrienne Young
MEDIMAGE 715	MRI Technology		■	Samantha Holdsworth
MEDIMAGE 716	Fundamentals of Clinical Ultrasound	■	■	Adriana Mijatovic
MEDIMAGE 717	Ultrasound Imaging Technology	■		Samantha Holdsworth
MEDIMAGE 718	Acute Chest Image Evaluation	Next offered in 2021		Heather Gunn
MEDIMAGE 719	Paediatric Image Evaluation	Next offered in 2021		Heather Gunn
MEDIMAGE 720	Fundamentals of Clinical Nuclear Medicine		■	Adrienne Young
MEDIMAGE 721	MRI Safety	■		Adrienne Young
CLINIMAG 705	Nuclear Medicine Clinical Applications	Next offered in 2021		Shelley Park
CLINIMAG 706	Nuclear Medicine Specialised Clinical Applications	■		Shelley Park
CLINIMAG 707	CT Clinical Practice	As required		Catherine Lyman
CLINIMAG 708	Mammographic Clinical Practice		■	Rhonda-Joy Sweeney
CLINIMAG 709	Principles of Clinical Ultrasound	■	■	Karen Wallis
CLINIMAG 710	MRI Clinical Applications	■		Shelley Park
CLINIMAG 711	MRI Specialised Clinical Applications		■	Shelley Park
CLINIMAG 712	MRI Clinical Practice	■	■	Shelley Park
CLINIMAG 713	Ultrasound Clinical Applications in Obstetrics and Gynaecology		■	Cathy Sorensen
CLINIMAG 715	Ultrasound Clinical Practice	■	■	Karen Wallis
CLINIMAG 716	Nuclear Medicine Clinical Practice	■	■	Shelley Park
CLINIMAG 717	CT Clinical Applications		■	Catherine Lyman
CLINIMAG 719	Ultrasound Abdominal Clinical Applications	■	■	Adriana Mijatovic
CLINIMAG 720	Ultrasound Specialised Clinical Applications	■		Cathy Sorensen

This course schedule lists all courses that will be offered in 2020 (subject to sufficient student numbers)

Postgraduate Certificate in Health Sciences

Postgraduate certificates can be used to give students a postgraduate qualification in an area of interest or in which they have some professional involvement. The PGCertHSc (Medical Imaging) and PGCertHSc (Mammography) programmes offer courses suitable for registered Medical Imaging Technologists who wish to advance their career and/or own professional development. Within the Medical Imaging specialisation, students can choose their own combination of courses to suit their professional needs or follow prescribed pathways in CT or Image evaluation.

Often students begin with this qualification if they have been out of study for some time or they just want to see what postgraduate study is all about. It is also the recommended initial qualification for non-university and overseas graduates.

Any course offered by the faculty can also be taken as a Certificate of Proficiency (COP). Students sometimes enrol in a course as a COP if they wish to take only one or two courses and know that they definitely will not be returning to the University to take up any further study in that particular area. COP courses cannot be reassigned into research Master's degrees, and there are point limits and time limits for reassigning COPs into other postgraduate programmes. If you are considering enrolling in a course as a COP then you are advised to seek advice from either the department that offers the course or the Faculty Student Centre (see pg. 26).

Eligibility

To gain admission to the Mammography or Medical Imaging specialisations a student needs to have completed an undergraduate degree in Medical Imaging or an equivalent qualification, and hold current registration with the New Zealand Medical Radiation Technologists Board or as a Medical Radiation Technologist in their country of domicile. In addition, for the PGCertHSc (Mammography), the student must have adequate access to clinical work to undertake the programme in circumstances approved by the University of Auckland.

Entry to the PGCertHSc (Mammography) programme is restricted to students who have already obtained a relevant clinical training position in a University of Auckland approved Radiology/Medical Imaging/BreastScreen Aotearoa department.

Duration and points value

Postgraduate certificates consist of 60 points of taught courses (usually four courses). Students in full-time work or with family responsibilities are advised to consider completing the programme over two years.

Points required:	60
Time to complete:	Within one semester if enrolled full-time, within two years in enrolled part-time
Start semester:	One or Two

This programme has a total enrolment clause of 90 points. This is the maximum number of points you can enrol in (including failed or withdrawn courses) towards this programme.

End of study extension

If further time is required to complete the programme of study, an end of study extension may be requested under specific circumstances.

Please seek advice from:

fmhs@auckland.ac.nz regarding the application process for withdrawals, late deletions and suspensions of study.

Regulations

Detailed information on admission criteria, programme structure and content, and the schedule of courses can be found in the Calendar Regulations for the Postgraduate Certificate in Health Sciences.

www.auckland.ac.nz/pgcerthsc-regulations

Students who successfully complete a postgraduate certificate may go on to complete a postgraduate diploma by completing a further 60 points (usually four courses).

Transfer Credits and Reassignments

Transfer credits (credit from another tertiary institution) may not be awarded for a Postgraduate Certificate.

With the approval of the Head of Department, courses may be reassigned to a Postgraduate Certificate. Up to two COPs may be reassigned provided that the enrolment in the postgraduate qualification is no later than three semesters from the initial enrolment in the course(s) reassigned from a COP. This must be applied for at the time of admission to the postgraduate certificate programme.

Please note that all regulations should be read in conjunction with the General Regulations – Postgraduate Certificates.

Postgraduate Diploma in Health Sciences

Postgraduate diplomas can be used to give students a postgraduate qualification in an area of interest or in which they have some professional involvement. The PGDipHSc (MRI), PGDipHSc (Ultrasound) and PGDipHSc (Medical Imaging) programmes offer courses suitable for registered Medical Imaging Technologists who wish to advance their career and/or own professional development. Within the Medical Imaging specialisation, students can choose their own combination of courses to suit their professional needs or follow prescribed pathways in Nuclear Medicine or Image Evaluation.

The PGDipHSc (MRI), PGDipHSc (Ultrasound) and PGDipHSc (Medical Imaging – Nuclear Medicine pathway) programmes provide a route to registration for Magnetic Resonance Technologists, Sonographers and Nuclear Medicine Technologists in New Zealand. These programmes have been accredited by the New Zealand Medical Radiation Technologists Board (MRTB).

Eligibility

To gain admission to the Magnetic Resonance Imaging, Ultrasound or Medical Imaging specialisations a student needs to have completed an undergraduate degree in Medical Imaging or an equivalent qualification, and hold current registration with the New Zealand Medical Radiation Technologists Board or as a Medical Radiation Technologist in their country of domicile. In addition, the student must have adequate access to clinical work to undertake the programme in circumstances approved by the University of Auckland.

Entry to the PGDipHSc (MRI), PGDipHSc (Ultrasound) and PGDipHSc (Medical Imaging – Nuclear Medicine pathway) programmes is restricted to students who have already obtained a relevant clinical training position in a University of Auckland-approved Radiology/ Medical Imaging department.

Duration and points value

Points required:	120
Time to complete:	Within one year if enrolled full-time, within four years if enrolled part-time
Start semester:	One or Two

This programme has a total enrolment clause of 160 points. This is the maximum number of points you can enrol in (including failed or withdrawn courses) towards this programme.

The Postgraduate Diploma may be awarded with Distinction or Merit where a student's overall grade is sufficiently high.

End of study extension

If further time is required to complete the programme of study, an end of study extension may be requested under specific circumstances.

Please seek advice from:

fmhs@auckland.ac.nz regarding the application process for withdrawals, late deletions and suspensions of study.

Regulations

Detailed information on admission criteria, programme structure and content, and the schedule of courses can be found in the Calendar Regulations for the Postgraduate Diploma in Health Sciences.

www.auckland.ac.nz/pgdiphsc-regulations

Students who successfully complete a University of Auckland Postgraduate Certificate in Health Sciences (or its equivalent) may go on to complete a Postgraduate Diploma in Health Sciences by completing a further 60 points (usually four courses). Students must apply to credit their certificate courses to this diploma - please request this when applying online.

Transfer credits, cross-credits and reassignments

Transfer credits

Transfer credits (credit from another tertiary institution) may be awarded for a maximum of 30 points provided that the enrolment in the postgraduate qualification at the University of Auckland is no later than three semesters from the initial enrolment in the course(s) for which credit is to be given. This must be applied for at the time of admission to the postgraduate diploma programme. Transfer credit will not be given for courses from completed qualifications.

Credit from a postgraduate certificate

In the case of a student who has completed a Postgraduate Certificate for which credit is granted to a Postgraduate Diploma, admission to the Postgraduate Diploma must take place within five years of completion of the Postgraduate Certificate.

In addition, the requirements for the postgraduate diploma must be completed within:

One semester of admission	If enrolled full-time
Two years of admission	If enrolled part-time

Reassignments

With the approval of the Head of Department, courses may be reassigned to a Postgraduate Diploma. Up to two courses may be reassigned provided that the enrolment in the postgraduate qualification is no later than three semesters from the initial enrolment in the course(s) reassigned from a COP. This must be applied for at the time of admission to the postgraduate diploma programme. Please note that all regulations should be read in conjunction with the General Regulations - Postgraduate Diplomas.

Master of Health Sciences – MHSc

The regulations for this degree are to be read in conjunction with all other relevant statutes and regulations including the Academic Statutes and Regulations.

Admission

In order to be admitted to this programme, a student needs to have completed the requirements for the Postgraduate Diploma in Health Sciences or its equivalent with an average grade of B or higher and not exceed 160 points for the total enrolment for this degree.

A 120 point thesis or research portfolio may be started on 1 March, 15 July or 1 December and must be completed within 2 years if enrolled part time.

Research Masters

120 points: HLTHSCI 796 Thesis

OR

120 points: HLTHSCI 797 Research Portfolio

OR

90 points: HLTHSCI 793 Research Portfolio

AND

30 points from courses listed in the Master of Health Sciences Schedule

Taught Masters

- 60 points: HLTHSCI 790 Dissertation
- 60 points from the courses listed in the Master of Health Sciences Schedule

Contact

Medical Imaging Masters Advisor

Dr Beau Pontré

Email: b.pontre@auckland.ac.nz

Thesis, dissertation or research portfolio?

This is usually decided in consultation with an academic supervisor/adviser as part of the discussion on a suitable topic and research question.

The aim of the research, whether a thesis, dissertation or research portfolio, is to give you the opportunity to research a health issue and the following skills will be learned in the context of your specific project:

- Identifying and accessing the resources necessary to undertake the research
- Reviewing and analysing relevant literature
- Choosing a research methodology appropriate to the problem and scope of the study (depending on whether the project is a dissertation, thesis or portfolio) and rigorously applying that methodology whether it be qualitative, quantitative or conceptual
- Reporting the project by covering purpose, backgrounds, method, findings, conclusions, and recommendations
- Interpreting the findings and identifying the wider implications of the project especially for healthcare in New Zealand
- Identifying and addressing ethical issues

Scope of a thesis

A thesis generally constitutes 120 points and is a formal body of academic research which should display the following:

- It should constitute an investigation designed to analyse a proposition, problem area, or concept.
- It should display a critical approach to the topic.
- Relevant research literature will be reviewed and will make clear the parameters used for including literature and the search strategy.
- The planning and execution of the research or analysis should be competent.
- The findings of the research or the outcomes of the analysis should be clearly described, supported by appropriate argument and suitably documented.
- The implications for future research should be discussed.
- The thesis should meet standards of technical

accuracy in writing and presentation, readability, debate and analytical thinking.

- Its length may vary, but is expected to be about 40,000 - 50,000 words, including tables, figures and references; appendices can be additional. Length will vary with the nature of the topic, the methodology used and the credit point value.

Scope of a dissertation

A dissertation, at 60 points, may also be a formal academic research work, though with lesser workload and expectation than a thesis. It may also be a critical review or a comprehensive proposal for a research that may involve a pilot study, or analysis of data that has already been collected. On completion of a dissertation students should have demonstrated they understand, can interpret and critique research.

The topic of a dissertation is preferably uncomplicated by requirements such as ethics approval or sample recruitment.

The expectations of a dissertation are:

- The dissertation should comprise a coherent and competently organised document.
- The rationale for the study should be clear, with a soundly constructed research question and objectives identified clearly.
- Relevant research literature will be reviewed, and will make clear the parameters used for including literature and the search strategy.
- Implications of the study and recommendations for theory and/or practice and for future research will be specified.
- The final document will meet standards of technical accuracy in writing and presentation, readability, debate and analytical thinking.
- Its length may vary but is expected to be about 20,000 words in length, including tables, figures and references; appendices are additional.



Lisa Mittendorff

Master of Health Sciences student
Lisa Mittendorff works as a Senior MRI Technologist at Mercy Radiology in Auckland. Lisa's first involvement with the University of Auckland was as a Clinical Supervisor.

"My Master's research is investigating MRI safety and the relationship between MRI safety education and MRI technologists' ability to practise in a safe and confident manner. I have been a registered Medical Radiation Technologist for 30 years, of which 23 years have been spent exclusively in the MRI department. I decided to study this topic because over this period of time I have seen the role of the MRI technologist evolving and there is now the need to undertake a higher level of clinical decision making in daily clinical practice. This research is important because the MRI technologist is at the frontline when it comes to making decisions and having responsibility for the safe care of the patient in the MRI environment.

"I chose to complete my Master's degree at the University of Auckland because it is a leading University and I was honoured to be invited to continue my studies here. I value the support and encouragement of my supervisors, and the online study environment enables me to continue working while completing my degree which was an essential factor in my decision.

"I anticipate that my research will provide insight into how confident MRI Technologists in New Zealand and Australia currently feel when making clinical decisions related to MRI safety and to identify whether or not current educational opportunities are meeting their needs. If not, I intend to make recommendations for future improvement. On a personal note, I hope that completing this research will provide opportunities to being involved in new areas complementary to my clinical practice, such as teaching or further research."

New students

Admission

For information regarding application for admission in 2020, students should visit the University of Auckland website:

www.auckland.ac.nz/applynow

All students need to upload the official documents listed below with their application.

- Verification of legal name, date of birth and citizenship status: passport, birth certificate or certificate of citizenship. If names have been changed, for example through marriage, such documentation must be provided.
- Verification of admission qualifications: your highest qualification, e.g., hospital training certificate, polytechnic diploma, polytechnic degree, or university degree.
- If you hold a polytechnic diploma or university or polytechnic degree you must send in an official academic transcript.
- For Mammography, MRI, Nuclear Medicine and Ultrasound students, a completed clinical training position agreement form is required.

Admission with an undergraduate degree

Students with an undergraduate degree may apply for either the Postgraduate Certificate in Health Sciences or Postgraduate Diploma in Health Sciences.

Students must have an undergraduate qualification in Medical Imaging to be admitted to the Medical Imaging and Mammography specialisations, although students with an undergraduate qualification in radiation therapy will also be considered for the Mammography specialisation.

A range of backgrounds including allied health professionals will be considered for admission to the Ultrasound, MRI and Nuclear Medicine specialisations. For more information contact: medicalimaging@auckland.ac.nz

Admission without an undergraduate degree

The University of Auckland may allow MITs to enrol in a postgraduate programme without an undergraduate degree if they have a health professional qualification and at least two years clinical practice.

Admission with a postgraduate diploma

Students with a postgraduate diploma having achieved a grade point average of B or higher may apply for the Master of Health Science.

What's the difference between admission and enrolment?

They are two separate processes. First you must be admitted to the University (through the admission process) and then you can enrol in the individual courses you want to take.

New students – do this first:

Submit the online Application for Admission: www.auckland.ac.nz/applynow

Once you have met the entry requirements for the programme you have applied for, go online and accept the University's offer of a place. Within about 30 minutes you should be able to enrol yourself in courses online.

When should I enrol?

Students can enrol from **1 November** for the following academic year. New students can enrol once they have gained admission and accepted their offer of a place.

Enrol early and get into the courses you want. You can change your mind after you have enrolled, but be aware of the deadlines for you to make changes to your enrolment.

The deadline for adding and dropping courses is the second Friday of the semester.

If you miss the deadlines, changes to your enrolment become **'late enrolments'** and **'withdrawals'**. Certain fees or regulations may apply.

Enrolment

Once you have gained admission to the programme of your choice, you should enrol for your courses online for future semesters:

www.studentservices.auckland.ac.nz/uoa/

Help and guidance on the enrolment process can be found on:

www.auckland.ac.nz/enrolment

Applying for an enrolment concession

For some courses you may be asked to apply for an enrolment concession. Please follow these step-by-step instructions:

1. Sign into Student Services Online.
2. Click on the 'Enrol' icon.
3. Click on the 'Enrolment Cart' button.
4. Add required courses to your enrolment cart.
5. Click the 'Validate choice(s)' button to check for enrolment errors.
6. Review enrolment error messages. You may be able to apply for an enrolment concession for courses showing an enrolment error. Click 'Return to Enrolment Cart'.
7. Re-select your class(es).
8. Read the Terms and Conditions and then select 'I Accept'.
9. Click on the green 'Confirm Enrolment' button to complete your enrolment request.
10. The Concessions button will be activated if you are able to submit an enrolment concession request for the listed course(s).
11. Click the green 'Concessions' button to apply for an enrolment concession. The 'Apply for a concession' page will appear, showing the course(s) that can be submitted.
12. Click on the 'select' button to change from 'no' to 'yes' to select a course and apply for an enrolment concession.
13. Select the concession reason that matches your circumstances from the drop-down list.
14. Enter any additional comments to support your application in the space provided (not required).
15. Click the green 'Submit' button. Your concession request has been submitted to the faculty for review.

View progress or withdraw an enrolment concession request:

1. Sign into Student Services Online (SSO).
2. From the home page quick link menu, click 'Concession Requests'.
3. Select the term (semester) of the course your request applies to.

What happens next?

The faculty will review your request, make a decision and let you know the outcome by email. The final status of your request will also show in Student Services Online.

Apply and enrol online

Returning students

Returning students wishing to progress to another qualification should apply online, for example, students who have completed a postgraduate certificate wishing to progress to a postgraduate diploma.

Change of address

It is important that students notify the University of any change of address as soon as possible. Please update your personal details through Student Services Online (Update My Details): www.studentservices.auckland.ac.nz/uoa

Postgraduate office contact details

For general enquiries and information on postgraduate study matters contact the Faculty Student Centre.

Faculty Student Centre

Faculty Student Centre

Faculty of Medical and Health Sciences
The University of Auckland
Private Bag 92019, Auckland 1142, New Zealand

Phone: +64 9 923 2760

Fax: +64 9 308 2380

Email: fmhs@auckland.ac.nz

Website: www.fmhs.auckland.ac.nz/postgrad

Physical address:

Building 503, Ground floor
Faculty of Medical and Health Sciences
85 Park Road, Grafton, Auckland

Applying to study at the University of Auckland is a four-step process:

1. Apply for admission to the University
2. Send required documentation to the University of Auckland
3. Accept an Offer of Place
4. Enrol in the course

Apply for a place in a programme(s)

Go to www.auckland.ac.nz

Click on the 'Apply for admission to study' at the top of the page

Complete the online application for a place in your programme of choice before the closing date.

For assistance, please phone the student helpdesk on: 0800 61 62 65

You will receive an acknowledgement of your application asking you to provide specific verified documentation before your application can be assessed. It will also tell you how to access the University's Student Services Online system to complete the next steps.

Offer

Your application will be assessed and if successful, you will receive an 'Offer of a place in a programme'. To accept the offer and view your application status online go to:

www.studentservices.auckland.ac.nz/uoa

Accept

Accept or decline your offer of a place in a programme online.

Enrol in your choice of courses

Enrol in your chosen courses via the online Student Services Online system:

www.studentservices.auckland.ac.nz/uoa/sso-enrol-in-course

**Congratulations! You are now a student
at the University of Auckland**

How to apply and enrol online

This guide will help you to complete the online Application for Admission to the University of Auckland.

- To begin your application, please apply online via: www.apply.auckland.ac.nz.

<p>Have you applied or registered before? Have you applied or registered before?</p> <p>Please use your student ID number, or email address and password to log in. If you do not remember your login details please phone 0800 61 62 63 or email onelogon@auckland.ac.nz</p>	OR	<p>Is this your first time applying with us?</p> <p>Click, 'Sign up for a new account' below the Password entry field. Proceed through to the 'Register for a new account' page to start entering in your personal details and set up your log in details for future access.</p>
---	----	---

- To complete your Application for Admission please ensure you have provided all your personal information required and details of your academic history and qualifications.
- The next step is to complete the **Programme Selection**. Please choose the following:

* denotes mandatory fields

Application for Admission: Select Programme

1 2 3 4
Programme Selection Supplementary Information Review Declaration

Use this page to select the programme you wish to apply for. Depending on the programme requirements, you may be requested to provide additional information.

Select programme

* Programme type:

* Programme name:

Important: Click [here](#) for more information on this programme.

Major / specialisation

* Major or specialisation:

Important: Click [here](#) for additional information on the Advanced Nursing major/specialisation.

The Postgraduate Certificate in Health Sciences programme specialising in Advanced Nursing, is aimed at registered nurses seeking to advance their knowledge and skills. It is intended to give nurses the core generic skills and knowledge essential for advanced nursing practice in a specialist area, and preparation for research.

Click [here](#) for information on fees.

* Do you intend to study full or part-time? Fulltime Part-time

* Start term:

* Campus:

Scholarships

* Do you hold or have you been offered a [scholarship](#) or award from the University of Auckland? Yes No

Save and Exit
Next

Programme type:
e.g., Postgrad Diploma/Certificate.

Programme name:
e.g., PG Diploma in Health Sciences, PG Certificate in Health Sciences, Certificate of Proficiency.

Major or specialisation: e.g., Medical Imaging, Mammography, MRI or Ultrasound*.

Select Part-time.

Start term: Choose the appropriate term.

Campus: Select 'Unspecified within New Zealand'.

Copyright © The University of Auckland A to Z Directory | Site map | Accessibility | Copyright | Privacy | Disclaimer | Feedback on this page

***Note:** You must have a Medical Imaging undergraduate qualification to select Medical Imaging. You must have a clinical training position to select Mammography, MRI or Ultrasound. All other students must select Health Science as their specialisation.

1. Go to the next page and complete the Supplementary Information section:

This page contains links to any supplementary information required to support your application. Forms are accessible to you now but can only be uploaded once you have submitted your application.

Programme specific requirements

Intended courses

Please list your intended courses. To get started select 'Add intended course'

Add Intended Course

Term: Choose the appropriate term.

Subject: Select the subject you intend to study from the drop down list, e.g., Clinical Imaging or Medical Imaging.

Course name: Select the appropriate course from the drop down list. This is an indication only. This does not mean you are enrolled.

One

Add Intended Course

Programme specific question

What is your Nursing Council of New Zealand Registration Number?

* Please provide a brief work history in the last 5 years.

Add answer

Add answer

Specific questions: Answer all questions.

Additional information

Important: Statistical information collected and used by the University of Auckland.

* How did you find out about the University of Auckland?

Courses and Careers Day

Save and Exit

Previous

Next

Copyright © The University of Auckland A to Z Directory | Site map | Accessibility | Copyright | Privacy | Disclaimer | Feedback on this page

WON

APRU

2. Complete the remainder of the application. Once all sections are complete you will be able to submit your application. On the summary page you can update any sections if necessary.
3. Click on the declaration. **Read** and make sure you understand the declaration. You must select **I agree** to be able to submit your application.
4. Click on the **Submit** button. You will receive an acknowledgement email from us within two working days.

What happens next? See next page.

What happens next?

1. Check your email

The acknowledgement email will be sent to the email address you registered your application with. It will include a list of specific certified documents (and, in some cases, other requirements) necessary to assess your application.

This email will also include your Student ID number. Check your application status by signing into your online **Application for Admission > Your applications** via www.apply.auckland.ac.nz

2. What supporting documents are required?

The following requested documents are required in order for us to accurately assess your application for admission, as you will be entering formal postgraduate level study at the University. You will be required to submit the following:

- Recent (no older than six months), professional, colour passport-size ID photo. You can upload your ID photo from your **Application for Admission > Things you need to do** list.
- Proof of your academic credentials such as all your official academic transcripts, official programme completion certificates e.g., your completion certificate when you graduated such as a copy of your current MRTB Annual Practice Certificate. You can upload these also from your **Application for Admission > Things you need to do** list. A certified hard copy of these documents may be required in future for auditing purposes.
- Proof of your identity such as a **certified** hard copy of the photo page of your passport. New Zealand and Australian applicants may alternatively provide a **certified** hard copy of their birth certificate or Citizenship Certificate. If you hold a foreign passport, please ensure you provide **certified hard** copies of any relevant visas (e.g., New Zealand Residence Visa). **You will not be able to upload these.** For more information see 'How do I submit copies of my identity documents?' below.

For full details please check your online **Application for Admission > Things you need to do** via www.apply.auckland.ac.nz

3. Assessment of your application and offer of place

This may take three to four weeks during peak admission periods. You will be notified of the outcome of your application by email.

You can check the status of your Application for Admission at any time by signing into your online **Application for Admission > Your applications** www.apply.auckland.ac.nz

4. Accept your offer of place online

Sign into your Application for Admission at www.apply.auckland.ac.nz and select Accept.

Congratulations! You are now a student at the University of Auckland. All communication from now will be to your University email.

You can start enrolling into your course(s).

How do I obtain certified copies of documents?

Staff at the Student Information Centre are able to make hard copies and certify documents for admission purposes.

Alternatively, if you are in New Zealand, a Justice of Peace (JP), Solicitor or Notary Public can certify hard copies of your documents. A certified document is a copy of the original endorsed with the statement "Original sighted. Certified true copy", and where the full details of the certifier are included.

Please ensure that your certified documents reach us as soon as possible to ensure smooth processing of your application.

How do I submit copies of my identity documents?

You can submit hard copies of your identity documents (e.g., passport, birth certificates etc) by post or in person. Our contact details are below:

By post:

Applications and Admissions
The University of Auckland
Private Bag 92019
Auckland 1142
New Zealand

In person:

AskAuckland Central
Application and Enrolments
24 Princes Street
City Campus
Entrance past the General Library
from Alfred Street

Open: Monday to Friday
8am-6pm

Closed: on public holidays

If you are unable to source and submit any of your academic transcripts that have been requested for assessment, it is important that you notify us as soon as possible, outlining what you are unable to submit and why, by emailing: admission@auckland.ac.nz.

Fees and funding

Fees

Information about fees is listed in the University of Auckland Calendar and is available at:

www.auckland.ac.nz/uoa/fp-tuition-fees

Under government-to-government reciprocal agreements, students from Australia who are resident in New Zealand enrolled in a graduate programme pay the same fees as New Zealand students. For other international students the fees vary between faculties. Contact the University of Auckland International Office for further details.

University awards, scholarships and grants

The University of Auckland offers postgraduate students a wide range of awards, scholarships, and research grants.

For more information on funding:

www.auckland.ac.nz/uoa/cs-postgraduate-research-funding

For information on internal scholarship opportunities, see the University of Auckland Scholarships and Awards website:

www.auckland.ac.nz/scholarships
or email: scholarships@auckland.ac.nz

For information on a range of external awards, see the Universities NZ website:

www.universitiesnz.ac.nz

For a list of upcoming scholarships closing soon, see "Scholarship closing dates":

www.auckland.ac.nz/scholarships-closing

University of Auckland Masters, Honours and PGDip Scholarships

The University of Auckland masters, honours and PGDip scholarships are highly competitive and as such are rewarded to the very highest achieving students.

In the recent past the GPA of successful recipients has been around 7.5 or above (assessed by the Scholarships GPA over the last two years of full-time graded study, or equivalent.). Māori and Pacific Island students are encouraged to also apply for the University of Auckland Māori and Pacific Graduate Scholarships.

Changing programmes

Students enrol in the programme specific to their clinical specialisation. If for any reason a change of programme is required, students must first contact the Medical Imaging Programme Coordinator by email at:

medicalimaging@auckland.ac.nz

When a decision to change programmes has been approved, the student needs to apply to do so on Student Services Online (SSO) at the following link:

www.studentservices.auckland.ac.nz

Apply to change your programme

To change your programme at the University of Auckland, you simply apply for the new one online. This applies to students who are changing from a postgraduate certificate to postgraduate diploma programme when a clinical training position is secured.

If you receive and accept an offer of place for the new programme, you should withdraw from your current programme by contacting the Faculty student centre.

www.auckland.ac.nz/uoa/cs-ss-faculty-student-centres

Apply to change your plan

If you want to change your plan (major, minor or specialisation) but not your programme (degree, diploma or certificate), please contact your faculty student centre. This applies to students who are enrolled in the Postgraduate Diploma (Medical Imaging) or a generic postgraduate diploma in Health Sciences and need to change specialisation when securing a clinical training position.

Faculty Student Centre

Ground floor, Building 503,
Faculty of Medical and Health Sciences,
85 Park Road, Grafton, Auckland

Phone: +64 9 923 2760

Fax: +64 9 308 2380

Email: fmhs@auckland.ac.nz

Changing course enrolment

Deletions

If you drop (delete) a course by the deadline, we'll refund your fees for the course and it will not appear on your academic record.

Deadline for Deletions

Semester One courses: Friday 13 March 2020

Semester Two courses: Friday 31 July 2020

Withdrawals

A withdrawal is when you drop a course after the deadline.

If you are considering withdrawing from a course, think this decision through carefully and seek help and advice before proceeding.

If you withdraw from a course, please be aware that:

- You will not receive a refund of fees for the course(s) you withdraw from.
- The course will remain on your academic record as a Withdrawal (W), which is counted as a 0 (zero) when your GPA is calculated.
- The course you withdraw from is counted as a failed course for purposes such as student allowance applications and satisfactory progress regulations.

Deadlines for Withdrawals

Semester One courses: 15 May 2020

Semester Two courses: 2 October 2020

Late Deletion

Late Deletion is available to students who are unable to continue with their study because of exceptional circumstances such as illness, injury or events beyond their control. Applications must include independent evidence to verify the circumstances.

Circumstances that would not normally qualify for late deletion are situations that were known at the point of enrolling, were due to personal choice (e.g., financial circumstances, accepting a job offer) or Grade Point Average concerns.

Please contact the Medical Imaging Programme Coordinator by email:

Email: fmhs@auckland.ac.nz

The Medical Imaging Programme Coordinator can explain how this process may impact on your programme and progression - you will not be required to explain your circumstances.

The University of Auckland resources and facilities

We encourage all students, especially those new to postgraduate study, to access the excellent supports available, such as the library and learning services, to help them succeed in their studies. Cultural support is also offered through MAPAS.

Libraries and Learning Services

Philson Library Medical and Health Sciences

The Philson Library is located on the first floor, Building 503 on the Grafton Campus. The collection of print and electronic resources supports student learning and research; staff will assist you to find the information you need. There are computers, borrowable laptops, and printer/photocopiers available in the library along with group and individual study spaces.

For full contact details and opening hours go to: www.library.auckland.ac.nz/about-us/libraries/philson

To borrow or access resources from the Philson Library students need a current University Campus Card. For more information see: www.auckland.ac.nz/uoacs-id-cards

Self help

The University Libraries and Learning Services Study tab has a wealth of information that students can access. The site offers academic skills development modules on academic communication and research skills such as time management, effective reading, assignment and thesis writing, academic English, seminar presentations, thesis proposals, and research methods.

www.library.auckland.ac.nz

Te Fale Pouāwhina offers services, academic development and leadership training for Māori and Pacific students.

For specific resources in the Medical and Health Sciences including Medical Imaging go to the Libraries and Learning Services website, select: **Library > Subject Guides > Medical & Health Sciences**

Research and study help

Learning and Teaching Development advisers are available to assist students with their learning. You can contact them if you further need assistance after you have worked through the online help available in Canvas.

Please complete the 'Ask Us' form on the library website and your request will be forwarded to the faculty advisers:

Dulcie Brake and Tricia Bingham FMHS Learning and Teaching Development Advisers

www.forms.auckland.ac.nz/en/public/library/ask-us.html

Flexible Service – distance students

A flexible service is available to students of the Faculty of Medical and Health Sciences. You may request books or journal articles to be sent to you, whether or not they are held in a University of Auckland Library.

For more information:

www.library.auckland.ac.nz/flexible-service

Intercampus requests

The Intercampus service allows you to obtain books or photocopies of articles held in other libraries within the University of Auckland, e.g., General Library.

Search the Catalogue for the item you require, click on the 'Request' tab and fill in the appropriate details. Flexible students should select 'Flexible – Medical' as the pickup location (after registration, see Flexible Service above).

Interloan requests

To obtain books or journal articles not held in a University of Auckland Library, fill in the online form:

www.library.auckland.ac.nz/interloans

Note: Electronic delivery of articles to students by email can only be made to their University of Auckland email address.

If you have questions about library resources or academic skills please contact the Philson Library. Staff will either answer your question directly or refer it to an advisor.

Philson Library Building 530 Grafton Campus

Phone: +64 9 923-5532

Ask a Librarian

www.library.auckland.ac.nz/ask-a-librarian

Associate Membership

Access to the library is suspended for students enrolled in a programme of study who are not enrolled in a course. If you would like access, you may pay to be an Associate Member.

For more information including fees see:

www.library.auckland.ac.nz

Click **About > Membership > Associate Membership**

Copy and print service

Photocopying and printing services are available in the Philson Library and the Grafton Information Commons. Your Campus Card is your photocopying/printing card. An EFTPOS machine for loading money onto an ID card is located in the Grafton Information Commons. The cost is 10 cents per A4 copy, or 20 cents per A4 colour copy.

Grafton Information Commons

Offers more than 80 computers which provide access to a wide range of software and internet resources. In addition there are scanners, printer/photocopiers, a HelpDesk Service, and a range of casual seating.

After hours

Students and staff will need to carry their Campus Cards at all times to allow entry and internal movement around the Grafton Campus buildings and facilities. However, public access to the café and library will continue to remain available during normal opening hours.

The Atrium main entrance is open Monday to Friday at 7am and its closure depends on the library hours. During weekends it is open according to the library.

Students may be in the building when the library or Information Commons is open or if they have scheduled teaching or tests. Postgraduates may have access outside of these times if permission is obtained from a supervisor, however nobody may be here alone at any time.

AskAuckland

Do you have questions about postgraduate study?

Find the answers 24/7 on AskAuckland.

Visit: www.askauckland.ac.nz



AMRF Medical Sciences Learning Centre - Whakaaro Pai

University of Auckland Systems

Username and password

All students have a username and password, in addition to your Student ID number.

Your username and password allow you to:

- Log in to computers in the Library, Information Commons and computer labs.
- Access Library electronic resources off-campus, i.e., databases, e-journals and course readings.
- Access the internet on campus.
- Use the Copy and Print Service (CAPS) on campus.
- Access Student email.
- Access Canvas and Student Services Online (SSO).
- Access to your electronic clinical portfolio.

Student email

Each student is allocated an email address. Your address is your username then the electronic campus email address:

e.g., jbon007@aucklanduni.ac.nz

To access your email from the University of Auckland website, click 'Students', then under the heading 'My tools', click 'Student email'.

www.auckland.ac.nz

Note: All official University communications go to your University (electronic campus) email. Check it regularly or redirect to your preferred email address, e.g., home or work.

Student Services Online

Student Services Online is the University's academic management system which students access online.

Student Services Online allows you to apply for admission to the University, enrol in classes, update your details and much more.

Website:

www.studentservices.auckland.ac.nz/uoa

Phone: 0800 61 62 63

Email: studentinfo@auckland.ac.nz

Use Student Services Online to:

- Find out about courses available.
- View your programme requirements.
- Enrol in and delete courses.
- Keep contact details updated.
- View your academic records.
- Apply for graduation.
- Change your programme.

Student Services Online has video tutorials and an online Help function, to guide you through using the various features.

AMRF Medical Sciences Learning Centre - Whakaaro Pai

The AMRF Medical Sciences Learning Centre is a purpose-built and architecturally-designed facility for undergraduate, graduate and postgraduate education in anatomy, radiology and pathology.

The centre combines the Faculty of Medical and Health Science's anatomy and pathology museums and contains a wide range of

anatomical models and specimens covering all body systems, more than 1,100 pathology specimens and an extensive online radiology and pathology image database.

Student Advice Hub

We're here to help!

Unfortunately, life and studies sometimes don't run as smoothly as you hope. The Student Advice Hub is where you can access AUSA's advocacy, welfare and representation services when things go wrong. We offer free and confidential support to all students and are independent from the University. Our staff can help you with:

- Academic complaints and study problems
- Debt or funding issues
- Housing and tenancy queries
- Employment issues and much more!

Visit us at the Student Advice Hub in Old Choral Hall at City Campus in rooms G15 or G09. You can also contact us or make an appointment at:

Phone: 09 923 7294

Email: advocacy@ausa.org.nz

www.ausa.org.nz

Support for postgraduate study

Orientation to study for new Medical Imaging students

Each semester the Medical Imaging team in conjunction with the Libraries and Learning Services runs an on-campus orientation workshop for new students. All students who are new to study at the University of Auckland are strongly advised to attend. There is no charge associated with the orientation days.

The Medical Imaging Team sessions include:

- Logistics for getting started
- Online learning tools
- Clinical competency requirements
- Electronic Clinical Portfolios

The Student Learning Services sessions include topics such as:

- Managing your postgraduate studies
- Achieving your academic potential
- Understanding expectations for postgraduate writing
- Reviewing the literature
- Academic integrity

The library sessions include:

- Accessing library resources
- Using the library catalogue
- Finding electronic articles
- Searching databases to find information for your assignments
- Referencing

One-day Medical Imaging orientation workshops will be held for new students prior to the first week of each semester.

- Semester 1, 2020: Friday 28 February
- Semester 2, 2020: Friday 17 July

Academic integrity course

As a student of the University of Auckland, you are a member of a distinguished academic community. The University is committed to providing all the support you need to understand what working to a high level of academic integrity means for you. University-level work requires that you acknowledge all sources according to the referencing requirements of your subject.

The University of Auckland offers an Academic Integrity course to help you understand the high level of academic integrity expected of you. All students new to the University are required to complete the course.

For more information:

www.auckland.ac.nz/academic-integrity

English Language Enrichment (ELE)

ELE provides opportunities for any student enrolled at the University of Auckland to improve their academic English. At ELE on the City Campus you can use English language resources, get advice about your English, and join language learning groups. Visit whenever you like and for as long as you like.

Language Exchange (LEX) enables you to find others who can help you improve your spoken English, and ELE Online provides language learning materials, including vocabulary, grammar and pronunciation tools to help improve your academic English.

You can access these resources anytime, anywhere with your University username and password.

Email: sls.ele@auckland.ac.nz

www.library.auckland.ac.nz/ele

Student Learning Services

Student Learning Services (SLS) offers academic development workshops relevant to all phases of undergraduate and postgraduate study. Topics include strategies for succeeding at university, writing academic essays, reading and note-taking, critical thinking, developing academic English skills, research techniques and thesis writing. SLS also has a Māori and Pacific programme: Te Fare Pouāwhina.

Find workshop details and book online at:

www.library.auckland.ac.nz/booking

Student Learning Advisers are available for individual or small group advisory sessions.

Contact the Student Learning Services Helpdesk to book an advisory session:

Student Learning Services

Building 503 Room 113
Philson Library, 85 Park Road, Grafton

Phone: +64 9 923 9269 or 923 8850

Email: slc@auckland.ac.nz

www.library.auckland.ac.nz/student-learning/

Māori and Pacific Admission Scheme (MAPAS)

Admission/Retention/Academic and Pastoral Support

MAPAS is a supportive programme that provides admission, academic and pastoral support for Māori and Pacific students who are studying within the Faculty of Medical and Health Sciences. Our goal is to support the transition and retention of MAPAS students while on their cultural and academic journey, helping them to successfully complete and graduate.

www.fmhs.auckland.ac.nz/mapas

Student Disability Services

The Learning Disabilities Programme provides learning assessments, recommendations for special exam conditions and academic development opportunities to University of Auckland students.

The Learning Disabilities (LD) Programme supports students with specific learning and/or other invisible disabilities such as: dyslexia, dyspraxia, Autism Spectrum Disorder, attention deficit disorders and mental health conditions.

www.auckland.ac.nz/disability-services

Student representation

Postgraduate Medical Imaging students are represented on the Medical Imaging Postgraduate Board of Studies. Students are encouraged to nominate who they would like to represent them.

The 2020 Medical Imaging student representative is Bridgette Place. If you have any queries or issues that you would like presented to the Medical Imaging team or Board of Studies on your behalf, please email Bridgette.

Bridgette Place

Email: bpla537@aucklanduni.ac.nz

Supporting websites

The University home page

Access to a computer is essential for all postgraduate students. So is knowing your way around the University's website. Take some time to familiarise yourself with it at:

www.auckland.ac.nz

Students

If you click on Students in the top navigation bar, you can access most of the generic information you will need.

Our Faculty of Medical and Health Sciences website

www.fmhs.auckland.ac.nz

Important information for postgraduate students

Click **Study with us** on the teal menu bar, for general information about studying at the University of Auckland.

For details of individual MEDIMAGE and CLINIMAG courses including learning outcomes, assessment overview and required textbooks where applicable:

www.fmhs.auckland.ac.nz/pg-all-courses

The Medical Imaging study options website

www.auckland.ac.nz/medical-imaging

Go to our website for more information about our programmes.



Moana Tipene

Postgraduate Diploma in Health Sciences (MRI) student Moana Tipene works as a trainee MRI Technologist at Mid-Central District Health Board in Palmerston North.

“Ever since finishing my undergraduate studies, I knew that MRI was the modality that I wanted to pursue as I believe it is the way of the future. The technology behind it is ever-changing, and the amazing images that we produce are getting better and better with advancing technology.

“I chose to study at the University of Auckland as the MRI programme offered here is well-renowned. I also like that there are support groups there such as MAPAS (Māori and Pacific Admission Scheme) that can help in many aspects of your study such as essay writing.

“I hope that this qualification will eventually take me around the world. I also hope that by gaining this postgraduate qualification I can inspire other Māori to pursue a career in Medical Imaging and/or further their studies in Medical Imaging.”

Degree Planner

See the Faculty of Medical and Health Sciences Student Centre for degree planning advice

A postgraduate pathway for: _____
 (Student's name and ID number)

Pathway endorsed by: _____

Postgraduate Certificate in Health Sciences (PGCertHSc) 60pts – 2 years part time

Combine to make 60 points		
		1.5 pts

Postgraduate Diploma in Health Sciences (PGDipHSc) 120pts – 4 years part time

Combine to make 120 points		
		1.5 pts

Master of Health Sciences (MHSc) 120pts + PGDipHSc*

Option 1	Research Masters Thesis (120 pts) <i>or</i> Research Portfolio (120 pts)
Option 2	Research Masters Research Portfolio (90 pts) <i>and</i> 30 pts of courses
Option 3	60 pts of courses <i>and</i> Dissertation (60 pts)

* B Grade average (GPAs) required to progress to Masters

If completing a Master of Health Sciences with a Thesis or Research Portfolio, then a research course is a prerequisite.

For more information about courses and course dates, see our website: www.fmhs.auckland.ac.nz/medical-imaging

For more information about enrolment contact the Faculty Student Centre: fmhs@auckland.ac.nz

For individual advice on course selection, email the Medical Imaging Programme Coordinator: medicalimaging@auckland.ac.nz

It is the student's responsibility to check that the final programme complies with University Regulations. The Faculty of Medical and Health Sciences Student Centre is the final authority on all programme regulations.

Graduation

When you have successfully completed the requirements for a postgraduate diploma or masters programme, you are invited to apply to graduate online. There are two graduations each year, one in autumn in early May, and one in spring in November. More information:

www.auckland.ac.nz/graduation

Certificate completion

Students do not attend a graduation ceremony on completion of a postgraduate certificate – the certificate needs to be requested from **Graduation Office**, City Campus, by emailing a completed AS-39B form to:

Email: graduation@auckland.ac.nz



Right, above: Medical Imaging student graduation, Autumn 2019

Right, below: Medical Imaging student graduation, Spring 2018



Important dates

Closing date for applications 2020*	
Semester 1 admission	Friday 17 January
Semester 2 admission	Friday 3 July
<i>*Late applications will be accepted on a case-by-case basis</i>	
Academic year 2020*	
Semester One – 2020 (Semester code: 1203)	
Medical Imaging Postgraduate Student Orientation	Friday 28 February
Semester One begins	Monday 2 March
Mid-semester break	Friday 10 – Monday 27 April
ANZAC Day	Monday 27 April
Graduation	Monday 4, Wednesday 6, Friday 8 May
Queen's Birthday	Monday 1 June
Lectures end	Friday 5 June
Study break/exams	Study Break: Monday 8 – Wednesday 10 June Exams: Thursday 11 June – Monday 29 June
Semester One ends	Monday 29 June
Inter-semester break	Tuesday 30 June – Friday 17 July
Semester Two – 2020 (Semester code: 1205)	
Medical Imaging Postgraduate Student Orientation	Friday 17 July
Semester Two begins	Monday 20 July
Mid-semester break	Monday 31 August – Friday 11 September
Graduation	Tuesday 22 September
Lectures end	Friday 23 October
Labour Day	Monday 26 October
Semester Two ends	Monday 16 November
Semester One – 2021	
Semester One begins	Monday 1 March

**Start/finish dates vary for some programmes.*

Medical Imaging contacts

For academic or general Medical Imaging programme enquiries contact:
medicalimaging@auckland.ac.nz

For Medical Imaging clinical programme enquiries contact:
MIclinical@auckland.ac.nz

Faculty of Medical and Health Sciences Student Centre

Ground floor, Building 503
Faculty of Medical and Health Sciences
85 Park Road, Grafton
Auckland

Phone: +64 9 923 2760

Fax: 0800 61 62 64

Email: fmhs@auckland.ac.nz

Open: 8.30am-4.30pm, Monday to Friday, all year round (except public holidays, Christmas Eve, and the day after Easter Monday)

Postal Address

The University of Auckland
Private Bag 92019
Auckland 1142, New Zealand

www.fmhs.auckland.ac.nz



**THE UNIVERSITY OF
AUCKLAND**
Te Whare Wānanga o Tāmaki Makaurau
NEW ZEALAND