

PROGRAMME REGULATIONS

Programme Schedule

Bachelor of Health Science (Medical Imaging)

To be read in conjunction with the [Bachelors Generic Regulations](#).

1. Programme Schedule

This Programme Schedule applies to the Bachelor of Health Science in Medical Imaging (BHSc) (Level 7, credits 360).

2. Programme Specific Admission

2.1 Specific Admission

To be admitted to this programme, all applicants must meet the following requirements in addition to the requirements set out in the Bachelor Generic Regulations:

- a. Provide evidence that the applicant will be at least 17 years of age on or before the first day of the semester in which study for the degree is to commence; and
- b. a completed self-declaration of medical condition(s), if any, that may prevent full participation in the programme and/or prevent registration with a regulatory authority (as applicable); and
- c. Applicants must give their consent to undergo a process of Safety Checking as set out in the Children's (Requirements for Safety Checks of Children's Workers) Regulations 2015 ("the Regulations"). This checking process will include:
 - I. Providing 2 forms of identification, and evidence of any name changes (if any);
 - II. Consent to Unitec undertaking a Police Vet check, or a Criminal Record Check (as required), and advise Unitec of any current charges or pending court matters;
 - III. Providing a chronological summary of his or her work history, if any, for the preceding 5 years and the name of any professional organisations and/or licensing authorities and/or registration authorities that the student is a member of or been licensed by and that is relevant to the proposed placement (if required);
 - IV. Providing the names of 2 referees who may be contacted by Unitec or your placement provider (if required);
 - V. Attending a face to face interview (if required) for the purposes of a risk assessment carried out in accordance with section 32 of the Act and the underlying regulations.

Applicants are also required to consent to the above information gathered as part of the Safety Check to be shared with a host institution for the purposes of a practicum placement.

- d. Be able to participate in all clinical aspects of the programme of study; and
- e. Have at least 12 NCEA credits at level 3 in each of English or a Literacy approved subject, Mathematics and one Science subject (Physics preferred); or
- f. Have a grade of C or better in the New Zealand University Bursaries Examinations in each of English, Mathematics and one Science subject, or equivalent.
- g. Applicants from a non-English speaking background must have an overall IELTS (Academic) score of at least 6.5, with no band score lower than 6.0, or a TOEFL score of 575, or equivalent.

3. Discretionary Admission

Applicants may be granted Discretionary Admission if they have, for example

- a. a minimum total of 72 NCEA credits at level 2 in their four best subjects; or
- b. a maximum total of 12 in New Zealand Sixth Form Certificate in their four best subjects, or equivalent; or
- c. have a recognised medical imaging qualification, for example DCR(R), ACBD, NZCBD or NDMDI.

4. Selection Criteria

When the number of eligible applicants for admission exceeds the number of places available, the following selection criteria will be applied

- a. Demonstrate academic achievement in excess of the admission requirements
- b. Demonstrate suitability for Medical Imaging as stated in a confidential reference preferably from either an employer or a school principal;
- c. Have previous life experience appropriate to Medical Imaging
- d. Demonstrate knowledge of Medical Imaging and motivation to work in the profession
- e. Demonstrate academic achievement in science subjects preferably physics, mathematics and biology.

Applicants who meet the maximum number of listed criteria will be the preferred candidates.

5. Selection Process

Relevant Academic Authority will select and offer places to students.

All eligible applicants will be interviewed.

6. Requirements for the Award of the Qualification

6.1 Bachelor of Health Science (Medical Imaging)

To be awarded the Bachelor of Health Science (Medical Imaging), a student must successfully complete 360 credits, accumulated in the pattern set out in Table 1 from the courses as set out in Table 2

and

meet the clinical requirements set out in 6.3.

Table 1: Credit Accumulation

Course Level	Number of Credits
Level 5	A minimum of 120 credits
Level 6	A minimum of 120 credits
Level 7	A minimum of 120 credits

6.2 Course Details

Table 2: Courses for Bachelor of Health Science (Medical Imaging)

Compulsory courses are shown in bold text.

Elective courses are shown in *italics*.

Level	Course No.	Course Name	Credits	Pre-requisites	Co-requisites
Level 5: 8 Compulsory					
5	HEAL5250	Clinical Practice 1	15	HEAL5256 & First Aid Certificate	HEAL6256
5	HEAL5251	Structural Osteology and Arthrology	15	HEAL5421	
5	HEAL5253	Imaging Science I	15	HEAL5255	
5	HEAL5254	Professional Practice 1	15		
5	HEAL5255	Radiation Physics	15		
5	HEAL5256	Radiographic Imaging I	15		
5	HEAL5421	Anatomy and Physiology	15		
Level 6: 8 Compulsory					
6	HEAL6250	Anatomy II	15	HEAL 5251	

Level	Course No.	Course Name	Credits	Pre-requisites	Co-requisites
6	HEAL6251 ¹	Clinical Practice II	30	HEAL5252 & HEAL5022 & HEAL5251	HEAL6256
6	HEAL6252	Imaging Science II	15	HEAL5253	
6	HEAL6253	Pathology	15	HEAL5251	
6	HEAL6254	Professional Practice II	15	HEAL5254	
6	HEAL6255	Radiation Protection	15		
6	HEAL6256	Radiographic Imaging II	15	HEAL5250 & HEAL5256	HEAL5250
6	HEAL6257	Clinical Practice II	45	HEAL5256 & HEAL6256	
6	HEAL6171	Special Topic ¹	15		
Level 7: Compulsory					
7	HEAL7173	Principles of Image Interpretation	15	HEAL6256 & HEAL6253 & HEAL6250	HEAL7150
7	HEAL7174	Principles of Research	15		HEAL7158
7	HEAL7175	Specialist Applications	30	HEAL6252	
7	HEAL7177	Radiographic Pathology	15	HEAL6253	
7	HEAL7178	Clinical Practice III	45	HEAL6251 or HEAL6257	
7	HEAL7176	Special Topic ¹	15		

¹ Courses subject to Transition Regulations

6.3 Clinical requirements

Clinical experience required for the degree is included and assessed in the clinical practice courses. The assessment for these courses is competency based.

In addition to meeting the clinical experience requirements, to be awarded the degree, students are also required to complete additional clinical experience to meet the competencies required for registration with the Medical Imaging Technologists Board at the completion of the programme.

6.4 Enrolment periods

- a. The normal enrolment period for the degree is three years. It is at the discretion of the Clinical Manager of the relevant radiology department as to whether a student's clinical placement can be extended beyond this time.
- b. Where a candidate is prevented by ill health, or other cause, from completing the degree requirements within the maximum period of enrolment, the relevant Academic Authority may approve suspension of enrolment for up to a maximum of 12 months.
- c. Relevant Academic Authority will only grant continuation of clinical access to students who successfully complete relevant prior courses.

7. Assessment

7.1 Assessment basis

- a. All written assessment, excluding the provision in 6.1.b, is achievement based using an 11-point grading system.
- b. Assessment in clinical courses is competency based.

7.2 Calculation of course grades

- a. Course grades for all non-clinical courses will be determined by the mathematical aggregation of weighted assessment grades and reported according to the following scale:

Table 3: Course Grades

Grade	Percentage	Result
A+	90 – 100	Pass
A	85 – 89	Pass
A-	80 – 84	Pass
B+	75 – 79	Pass
B	70 – 74	Pass
B-	65 – 69	Pass
C+	60 – 64	Pass
C	55 – 59	Pass
C-	50 – 54	Pass
D	40 – 49	Fail
E	0 – 39	Fail

- b. Course grades for clinical practice courses are competency based and will be specified as follows:

Table 4: Competency Based Assessment System

M	Merit Pass	Credits Earned
P	Pass	Credits Earned
NC	Not Yet Competent	No Credits Earned

- c. Students may be awarded one of the following grades for a course if they meet the criteria described.

Table 5: Grade Criteria

Grade	Meaning	Criteria
CR	Credit Recognition	The student has applied for and been awarded a credit recognition from another qualification
DEF	Deferred	The course result has been deferred
R	Restricted Pass	The student has been awarded a restricted pass subject to clause 7.3 of this schedule
W	Withdrawn	If a student withdraws from a course after the 10% date of the course is completed and up to or at the 75% date of the course. No credits earned.
DNC	Did Not Complete	If a student has either withdrawn after 75% of the scheduled course duration; or not attempted a compulsory item of assessment within a course. No Credits earned.

7.3 Conditions applying to restricted passes

- A restricted pass is not available for any course which is a pre-requisites or co-requisites for any other course, nor for courses at Level 7.
- Restricted passes will not be given for clinical practice courses.

7.4 Resits and Resubmissions

- Resits and resubmissions of failed summative assessment items may be allowed at the discretion of the designated academic staff member or delegated committee.
- Only one failed assessment item in each course may be re-attempted.
- An assessment item may not be re-attempted more than once.
- If a fail grade is awarded, the candidate shall receive a copy of the assessed work and the original shall be held.
- The re-sit and/or resubmission date will be determined by the designated academic staff member or delegated committee.
- Eligible students may only re-sit/re-submit following a failed examination on payment of the published fee.

7.5 Assessment Regulations

These Assessment Regulations apply to:

- HSDV 5140 Contemporary Issues in Aotearoa New Zealand
- HSDV 5421 Anatomy and Physiology
- HSDV 5144 Introduction to Practice
- HSDV 6144 Introduction to Research

- HSDV 6240 Law and Ethics
- HSDV 6241 Tauhōkai Waiora: Māori Health and Development
- HSDV 7340 Advanced Research

To be eligible to pass these courses, students MUST submit all assessment items.

7.5.1 Submission and late submission of work

- Applications for extensions must be made in line with the Special Assessment Circumstances policy.
- Any assessment that is submitted late (and does not have a prior approved extension or Special Assessment Circumstance application) will be penalised by a deduction of 10% per day of the student's assignment mark, up to five (5) days, inclusive of weekends.
- No assignments will be accepted five (5) days (inclusive of weekends) after the due date and a student will receive a DNC grade thereafter.

7.5.2 Resits and resubmissions

- Resits and resubmissions will be defined in the specific course descriptors (as below):
 - Students may request a resubmission for **one failed assessment per common semester or shared course**.
 - Students may only resubmit either assignment 1 or 2.** Where the assignment is an e-portfolio, students may resubmit only the failed entry(ies).
 - Assessments that are handed in late or any DNC assessments will not be eligible for resubmission.
 - Requests for a resubmission must be made in writing within five (5) days (inclusive of weekends) upon students receiving their assessment mark and feedback.
 - Students will be notified by the Course Leader (on behalf of the Programme Management Committee) of the outcome of their request and new submission date (if applicable).
 - Any assessment resubmitted is entitled to receive a maximum of a C-grade (50%)
- The maximum grade for any resubmission assessment is C- (50%). In all cases the grade achieved on the resubmission will be the grade used in calculating the overall course grade.

7.5.3 Conditions applying to Restricted Pass

- Relevant Academic Authority may award a "restricted pass" in a Course which was narrowly failed and where it considers that marginal failure is compensated by good overall performance.
- No more than one restricted pass may be granted to any student for level 5 and level 6 courses.
- Restricted passes will not be awarded for level 7 course/s.
- A student may decline the award of a restricted pass by notifying the Head of Centre in writing no later than 20 working days from notification of the results.

7.5.4 Assessment in Te Reo

Students wishing to complete assessments using Te reo Māori must inform their Course Co-ordinator within the first week of the first semester in which the course is delivered. The method of assessment to be used in such circumstances will be approved by the relevant Academic Authority.

8. Completion

The completion period is 5 years, unless an extension has been approved by the relevant Academic Authority.

9. Exclusions

Any student who, over the period covered by the last four semesters of his or her studies at Unitec, including relevant study at other institutions, has not achieved a Pass Grade in Courses equivalent to one half or more of the Credits in which he or she has been enrolled over that period, shall be excluded from enrolment in assessed Courses in any Programme, and shall not be permitted to re-enrol in any Programme without the prior permission of the relevant Academic Authority.

10. Transitional Arrangements / Modified Programmes of Study

10.1 Entry for Registered Medical Imaging Technologists

Registered Medical Imaging Technologists (Diagnostic) admitted to the degree will be entitled to apply for credits recognition. Credit recognition may be granted under the following three circumstances, on the provisions of appropriate evidence:

- Education gained from a programme leading to registration as a diagnostic Medical Imaging Technologist;
- Experience as a diagnostic Medical Imaging Technologist since registration;
- Approved formal education undertaken after registration.

The number and level of credits will be influenced by such factors as date of qualification, duration and content of the programme leading to registration, post registration medical imaging experience, post registration qualifications.

10.1.1 Graduates from programmes leading to registration as a Diagnostic Medical Imaging Technologist

- Graduates from programmes leading to registration as a Diagnostic Medical Imaging Technologist, may apply for credit for their programme of study to the maximum specified in Table 6.

Table 6: Maximum Credits Recognition

Qualification	Maximum Credits Recognition
National Diploma In Medical Diagnostic Imaging	300
New Zealand Conjoint Board Diploma	240

Qualification	Maximum Credits Recognition
Australasian Conjoint Board Diploma	240
Diploma of the College of Radiographers	240
Fijian School of Medicine, Diploma in Diagnostic Radiography	240
Fiji School of Medicine, Bachelor of Medical Imaging Science	285

- b. In the event a programme applicant does not hold a valid NZ MRTB practicing certificate, all applications for clinical practice related credit assessment will be declined.
- c. The applicants clinical ability will in turn be evaluated on the commencement of BHSc (MI) programme study, this in the clinical setting. Based upon that evaluation the applicant will be required to enrol in an appropriate clinical course* either in year one, two or three of the programme. The enrolled student is then expected to progress incrementally through the remaining clinical courses.
- d. Upon finally completing course HEAL7178 Clinical Practice Three the student will become eligible to apply for any remaining clinical course Credit recognition.

* The determination of an 'appropriate clinical course' will be made by the relevant Academic Authority and draw upon clinical evaluation feedback and a recommendation from the BHSc Clinical Co-ordinator.

10.2 Post-registration clinical experience

Diagnostic Medical Imaging Technologists with clinical experience gained since registration may apply for further unspecified credit. The following will be used as a guide to gaining this credit:

Table 7: Work Experience

Work Experience ¹	Maximum Unspecified Credits Recognition
2 years full time equivalent	6
3 years full time equivalent	12
4 years full time equivalent	18
5+ years full time equivalent	24

¹ Work experience must have been gained within the last 10 years

10.3 Courses covered by Transition Regulations

The following courses are available to students who for any reason require accumulation of further credits. Enrolment in these courses will be managed on a case by case basis:

- HEAL6171 Special Topic
- HEAL7176 Special Topic.

11. General Provisions

11.1 Indemnity insurance

Students must carry indemnity insurance against any claims that may arise out of clinical practice.

11.2 Legislative and professional requirements

Students are expected to work within appropriate and current legislation and professional requirements relating to health, including the Privacy Act, Health and Disability Commissioners Act, Protection of Personal Rights and Property Act, Accident Rehabilitation and Compensation Insurance Act, Health and Safety Employment Act, Radiation Protection Act, Radiation Protection Regulations, Code of Ethics and BHSc (MI) Code of Conduct.

12. Commencement

These regulations came into force Semester 2, 2020.