

## Programme

### Qualification awarded

Bachelor of Science

### Length of the programme

48 months

### ECTS credits

240

### Level of qualification

Bachelor

### Mode

Dual

### Language

Dutch, with parts in English

### School

School of Health Care Studies

### Locations

Groningen

## B Medical Imaging and Radiation Therapy

### Profile of the programme

Medical Imaging and Radiation Therapy (MBRT) is a four-year accredited degree programme that trains students to become a Medical Imaging and Radiation Therapy professional.

The degree programme prepares students for the future. Changes in society and health care that involve a shift away from care and illness towards behaviour and health require entrepreneurship, ICT literacy, lifelong learning, language skills, knowledge of technology, multi- and interdisciplinary cooperation and research skills, in addition to professional knowledge and skills. The professional field is an important partner and is involved both in the degree programme and the development and delivery of the educational content. Applied research is a collaboration between students, lecturers, the professional field and related organisations with the aim of applying research outcomes in the professional field and in education.

Together with its international partners, the degree programme offers study programmes and exchanges for both students and lecturers. A substantial proportion of students gain experience of working abroad by means of a work placement. In this way, the degree programme ensures that working abroad becomes a realistic option for MBRT alumni. The degree programme offers students various study paths that enable them to maximise their talents. A graduation profile in Clinical Neurophysiology is also possible.

The lecturers practice blended teaching, e.g. by using Blackboard as a digital learning environment. The degree programme prioritises direct contact between students and lecturers, as this encourages a small-scale approach and lowers thresholds.

### Learning outcomes

The Medical Imaging and Radiation Therapy curriculum is based on the following seven professional roles

- Medical Imaging and Radiation Therapy Expert
- Communicator
- Collaborator
- Leader
- Health Advocate
- Scholar
- Professional

These professional roles are derived from the Canadian Medical Education Directions for Specialists (CanMEDS). This framework of professional roles provides a leading global standard for the training of medical specialists and is also applied to other forms of health care training. The framework is recognised and valid both nationally and internationally.

For each professional role, exit-level learning outcomes have been determined for the professional profile pursued by the student over the course of the degree programme.

## Programme

<b>B Medical Imaging and Radiation Therapy</b>	<b>credits</b>
Year 1	60
□ Semester 1.1	30
▫ MTVP21BV - Introduction to imaging	5
▫ MTVP21PROF1 - Professionalization 1	5
▫ MTVP21THI - Thorax and infection prevention	5
▫ MTVP21VH1 - Introduction skills	15
□ Semester 1.2	30
▫ MTVP21SD1 - Radiation expertise 1	5
▫ MTVP21VH2 - Continuation skills	15
▫ MTVP21PROF2 - Professionalization 2	5
▫ MTVP21ABB - Abdomen and movement	5
Year2	60
□ Period 2.1	32
▫ MTLB17THEMA20 - Radiation Protection	6
▫ MTLB17THEMA21 - Cardiovasculair system	5
▫ MTLB17THEMA22 - Mamma	3
▫ MTLB17THEMA26 - Workplace learning year 2, semester 1	17

▫ MTLB19THEMA25 - Professionalization and academic counsel	1
▫ Period 2.2	28
▫ MTLB17THEMA23 - Trauma	3
▫ MTLB21THEMA24 - Abdomen III	7
▫ MTLB19THEMA27 - Workplace learning year 2, semester 2	18
Year 3	60
▫ Semester 3.2	23
▫ MTLB18THEMA35 - Workplacement	8
▫ MTLB19THEMA34 - Workplace learning year 3, semester 2	15
▫ Elective	10
<i>selection of following courses</i>	
▫ MTLB19TH31CT1 - Minor Part CT1	5
▫ MTLB19TH31CT2 - Minor Part CT2	5
▫ MTLB19TH31EC1 - Minor Part EC1	5
▫ MTLB19TH31EC2 - Minor Part EC2	5
▫ MTLB19TH31MRI1 - Minor Part MRI1	5
▫ MTLB19TH31MRI2 - Minor Part MRI2	5
▫ MTLB19TH31PET1 - Minor Part PET1	5
▫ MTLB19TH31PET2 - Minor Part PET2	5
▫ MTLB19TH31RT1 - Minor Part RT1	5
▫ MTLB19TH31RT2 - Minor Part RT2	5
▫ Semester 3.1	27
▫ MTLB18THEMA28 - Pediatrics	3
▫ MTLB18THEMA29 - Cranium	3
▫ MTLB18THEMA30 - Head/neck	3
▫ MTLB18THEMA33 - Workplace learning year 3, semester 1	17
▫ MTLB19THEMA32 - Professionalization and academic counselling	1
Year 4	60
▫ Semester 4.1	15
▫ MTLB19THEMA36 - Workplace learning year 4, semester 1	15
▫	45
▫ MTLB19PO - Bachelor Thesis	30
▫ MTLB19THEMA37 - Workplace learning year 4, semester 2	15

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