Bachelor's degree programmes
Biomedical Science
Dietetics and Nutrition
Occupational Therapy
Health Care and Nursing
Midwifery
Logopedics
Physiotherapy
Radiography

Master's degree programme
Mass Spectrometry and Molecular Analysis

Postgraduate Master's course
Applied Nutrition Medicine
The Department of Health Studies is actively engaged in the wide-ranging aspects of health care and medicine. We are responsible for laboratory analysis processes, support medical diagnosis and conduct research into the therapeutic methods and diagnostic techniques of the future. In therapeutic and advisory roles, we help people to improve their mobility or their ability to communicate and provide them with support in dealing with health challenges. We are committed to health promotion and preventative health care.

Our graduates meet increasing challenges in the healthcare sector with a caring attitude and professional expertise in a wide range of future-oriented career fields.

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<tr>
<td>Dietetics and Nutrition</td>
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<tr>
<td>Applied Nutrition Medicine*</td>
<td>MSc</td>
<td>Part-time</td>
<td>Bad Gleichenberg / Graz</td>
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* In cooperation with the Medical University Graz
**What you will learn:**

- Collecting sample material
- Preparing sample material for analysis
- Analysing patient samples
- Obtaining laboratory results
- Monitoring analytical processes
- Communicating professionally
- Combining theory with practice
- Gaining an insight into research processes

Theoretical knowledge is put into practice from the first semester onwards, in the form of application-oriented subjects, a 28-week internship, and research projects. It is also possible to spend a semester or complete an internship abroad.

**Organisation**

Biomedical Science is a full-time course. This means the classes are held at FH JOANNEUM over a 15 week period each semester, generally all day Monday to Friday, with the exception of internships. You receive a current timetable at the start of each semester.

**FACTS**

- Bachelor of Science in Health Studies (BSc)
- Full-time
- 6 semesters / 180 ECTS

**FH JOANNEUM Graz**

- Language of instruction: German
- 40 places per year
- Interim Head of Degree Programme: Mag. Christine Kogler
- Tuition fees: no tuition fees for students from the EU, EEA and Switzerland
- All information about deadlines, application and admission can be found online. [www.fh-joanneum.at/bio](http://www.fh-joanneum.at/bio)

**Did you know ...**

... that we have state-of-the-art infrastructure? During your studies you will make intensive use of the cell culture and molecular biology, haematology, and microbiology & histology laboratories.

**On the programme you will learn the skills needed to independently undertake biomedical analysis processes. Students benefit from a supportive study environment, optimal supervision from lecturers, and programme content designed to reflect future occupational fields.**

Julia Wieser, BSc, Graduate

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**Career prospects**

Our graduates are not only competent in biomedical analysis and diagnostics, but are also involved in current areas of research. They work at the interface between people, medicine and technology, in various specialisms including haematology, immunology, microbiology and molecular biology, as well as gene technology. Careers are open to our graduates in hospitals, university clinics, research institutions, rehabilitation clinics and sanatoriums, veterinary laboratories, plasma centres and specialist medical practices, as well as in environmental and bioanalysis institutes. It is also possible to study further on a Master’s degree programme such as Mass Spectrometry and Molecular Analysis at FH JOANNEUM.

**CURRICULUM: 180 ECTS (30 ECTS per semester)**

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Bachelor’s degree programme
DIETETICS AND NUTRITION

What is a healthy diet? That’s one of today’s hottest topics. Our students know the answer and are experts as regards the right diet for individuals in every situation of life. Why not join us in helping to make our society more healthy?

Did you know ... 
... that only dietitians and doctors are legally permitted to provide patients with active nutritional therapy? All other nutrition-related careers are exclusively concerned with prevention.

Wolfgang Gunzer, BSc MSc, Graduate

Career prospects
Potential areas of employment include not only nutritional therapy, but also health promotion and prevention. The work of preventing diet-related illness begins in early childhood, as part of prevention programmes run in advice centres for mothers, kindergartens and schools. Our graduates also provide advice on healthy diets in spa hotels and for corporate health programmes. They may also work in hospitals, rehabilitation centres, geriatric institutions, outpatient clinics and medical practices. Careers also beckon in the nutrition industry, the food and pharmaceuticals industries, and in research. Graduates can also specialise further on a relevant Master’s degree programme.

FACTS

Bachelor of Science in Health Studies (BSc)

Full-time

6 semesters / 180 ECTS

FH JOANNEUM Bad Gleichenberg

Language of instruction: German

15 places per year

Head of Degree Programme: Elisabeth Pail, MSc MBA

Tuition fees: no tuition fees for students from the EU, EEA and Switzerland

All information about deadlines, application and admission can be found online.

www.fh-joanneum.at/dio

What will you learn:
- Implementing nutritional treatment plans
- Optimising recipes and menus
- Calculating nutritional values
- Conducting nutritional therapy consultations
- Analysing aspects of diet
- Planning and implementing projects
- Conducting research
- Improving your social skills

The internships which students complete after the second semester are excellent preparation for a later career. In addition to the theory and practical skills needed by professionals in this field, you will also learn how to work together with and for patients.

Organisation
Dietetics and Nutrition is a full-time course. This means the classes are held at FH JOANNEUM over a 15 week period each semester, generally all day Monday to Friday, with the exception of internships. You receive a current timetable at the start of each semester.

“The course is the ideal preparation for immediate entry into the profession. The close relationship between science, medicine and people is a direct benefit to clients, and lays the foundations for continuing academic study with a Master’s degree programme.”

Wolfgang Gunzer, BSc MSc, Graduate
Bachelor’s degree programme

OCCUPATIONAL THERAPY

Occupational therapists change the world – especially for people who have reduced mobility following an accident or illness. The aim is to help them to manage independently at work, at school, in their leisure time and in daily life. What a great idea!

What you will learn:
- Understanding people
- Learning and analysing new activities
- Understanding the therapeutic process
- Applying therapy methods
- Reflecting on and justifying your therapeutic actions
- Rules of communication

The theoretical content of the programme is complemented by practical skills which reflect the individual steps in the occupational therapy process. The programme goes on to examine the activities typically associated with various lifecycles. Students apply their knowledge during internships from the third semester onwards.

Organisation
Occupational Therapy is a full-time course. This means the classes are held at FH JOANNEUM over an 18 week period each semester, generally all day Monday to Friday, with the exception of internships. You receive a current timetable at the start of each semester.

FACTS
- Bachelor of Science in Health Studies (BSc)
- Full-time
- 6 semesters / 180 ECTS
- FH JOANNEUM Bad Gleichenberg
- Language of instruction: German
- 24 places per year
- Head of Degree Programme: Gabriele Schwarze, MSc MAS
- Tuition fees: no tuition fees for students from the EU, EEA and Switzerland
- All information about deadlines, application and admission can be found online. www.fh-joanneum.at/erg

“Did you know ...
... that you can complete your internship either in Austria or abroad? In Europe, but also in countries including India and Kenya.”

“The degree programme sparked my interest in occupational therapy research and encouraged me to take on new challenges.”
Julia Unger, BSc MSc, Graduate

Did you know ...
... that you can complete your internship either in Austria or abroad? In Europe, but also in countries including India and Kenya.

Career prospects
Occupational therapists work not only in acute treatment and rehabilitation but also in preventative health care. Their career fields range from neurology, geriatrics, pediatrics, orthopedics and psychiatry to health promotion and prevention. Our graduates work in hospitals, rehabilitation centres, old people’s homes, outpatient centres, centres for social medicine, institutions for the disabled, nurseries, schools and research institutions or run their own practice or work as mobile therapists. Graduates can also specialise further on a relevant Master’s degree programme.

CURRICULUM: 180 ECTS (30 ECTS per semester)

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<th>1st semester</th>
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Professional and Methodological Competence: 95 ECTS
Social Communication Competence, Personal Competence: 19.5 ECTS
Scientific Competence: 27 ECTS
Internship: 46.5 ECTS
What you will learn:
- Understanding the human body
- Learning about nursing models and theories
- Applying evidence based nursing
- Nursing in different settings
- Gaining an insight into everyday nursing practice
- Developing communication strategies

The programme covers nursing research, evidence-based nursing, psychology, sociology and pedagogy, as well as subjects including aspects of organisation, law, ethics and management. Caring skills are then practiced in special training sessions set in a protective environment. This is an opportunity to also expand your social and communication skills.

Theoretical knowledge is put into practice from the first semester onwards, in the form of internships.

Organisation
Health Care and Nursing is a full-time course. This means the classes are held at FH JOANNEUM over an 18 week period each semester, generally all day Monday to Friday, with the exception of internships. You receive a current timetable at the start of each semester.

Did you know ...
... that you will undertake internships from the first to the sixth semester? Because it’s never too early to put theory into professional practice.

“Thanks to the practical nature of the course, it was soon clear what the internships and a career in the field would bring. Lectures such as Medical Fundamentals and General Pathology also gave us a direct introduction to the subject matter. Studying and working in small groups allows the lecturers to respond to our questions and requirements, and that’s a real advantage to studying at FH JOANNEUM.”

Eva-Maria Wallner, Student

Bachelor’s degree programme
HEALTH CARE AND NURSING

Looking after people, supporting them and understanding their physical requirements: this course meets international standards and enables you to offer patients and clients the best possible care in different settings.

FACTS

Bachelor of Science in Health Studies (BSc)

Full-time

6 semesters / 180 ECTS

FH JOANNEUM Graz-Ost

Language of instruction: German

72 places per year

Head of Degree Programme:
Eva Mircic, BSc, MSc

Tuition fees: no tuition fees for students from the EU, EEA and Switzerland

All information about deadlines, application and admission can be found online.

www.fh-joanneum.at/guk

“Career prospects
The course trains you in current and future professional fields in health care and nursing. After graduating, you can specialise for specific settings and target groups in accordance with the Austrian Healthcare and Nursing Act (GuKG), or enrol on a Master’s programme. Our graduates are qualified for senior healthcare and nursing positions, covering all age groups, in accordance with the GuKG. Our students go on to work in hospitals, old people’s homes, care homes, home care, hospices, rehabilitation facilities, assisted living communities, day care, outpatient clinics, advisory centres and case management, or in research.

Curriculum: 180 ECTS (30 ECTS per semester)

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<td>Internship, Practical Training 89 ECTS</td>
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Bachelor’s degree programme
MIDWIFERY

Assist women in preparing for one of the most important moments of their lives: help them during pregnancy, birth and breastfeeding and support the young family during the first year of their child’s life. You’ll gain all the experience you’ll need right from the first semester.

What you will learn:
- Thinking physiologically
- Supporting physiological processes in midwifery
- Clinical decision-making
- Science-based working
- Implementing salutogenetic principles
- Promoting health

Apart from receiving a sound training in midwifery and obstetrics, you will learn to understand and assess the psychological and social processes involved in becoming parents. Apart from receiving a sound training in midwifery and obstetrics, you will learn to understand and assess the psychological and social processes involved in becoming parents. Specialist internships in all six semesters serve to intensify and conflict management skills. Specialist internships in all six semesters serve to intensify and conflict management skills. Specialist internships in all six semesters serve to intensify and conflict management skills.

Midwifery is a full-time course. This means that breastfeeding is an important subject in teaching and research at FH JOANNEUM? That’s why the course includes analysing breastmilk.

FACTS

- Bachelor of Science in Health Studies (BSc)
- Full-time
- 6 semesters / 180 ECTS
- FH JOANNEUM Graz
- Language of instruction: German

- 20 places every two years
- Head of Degree Programme: Moenie van der Kleyn, MPH
- Tuition fees: no tuition fees for students from the EU, EEA and Switzerland
- All information about deadlines, application and admission can be found online.
- www.fh-joanneum.at/heb

Did you know ...

... that breastfeeding is an important subject in teaching and research at FH JOANNEUM? That’s why the course includes analysing breastmilk.

“The work of a midwife is based on evidence-based knowledge and practical experience. Throughout the programme at FH JOANNEUM I was able to combine the wide range of knowledge gained on the course with practical experiences, and this was the ideal preparation for a career as a midwife.”

Mag. Anna Maria Rath, BSc, Graduate

Career prospects
Midwives care for and attend pregnant women and assist in the smooth progress of their pregnancies and at birth. They provide advice on correct nutrition and appropriate lifestyle, prepare the family for the birth, and provide information about the care and development of the newborn and about breastfeeding. A key focus of a midwife’s work is the care of women giving birth in hospitals and clinics. Midwives are also increasingly employed in hospital neonatal departments and maternity wards. Another focus is on working as an independent midwife: this involves providing advice relevant for the mother-child booklet, and post-partum care of the new mother. The completion of the Midwifery programme also provides the basis for further studies in health care.

CURRICULUM: 180 ECTS (30 ECTS per semester)

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<td>Scientific Work</td>
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<td>Internship</td>
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<td>18 ECTS</td>
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Bachelor’s degree programme
LOGOPEDICS

Speech therapists work with adults and children who suffer from speech, language, voice, swallowing or hearing difficulties. They conduct a diagnostic analysis which provides the basis for the treatment. We'll teach you the theory and practice you need to work as a speech therapist.

What you will learn:

- Acquiring specialist knowledge
- Speech therapy diagnosis and treatment
- Combining theory and practice during the internship
- Working independently with patients in the teaching practice
- Breathing, voice and speech exercises
- Developing personally

We offer supervision from the first to the fifth semester. The opportunity to explore the nature of a career in logopedics in the second semester, and internships from the third to the sixth semester provide you with an excellent overview of work in this field. Acceptance to the Summer School for Speech Language Therapy also offers the opportunity for global exchanges: every year an international congress is held at a related organisation.

Did you know ...

... that we run a lecture series in logopedics? We regularly invite renowned experts from the field or related disciplines to share their knowledge.

FACTS

Bachelor of Science in Health Studies (BSc)

Full-time

6 semesters / 180 ECTS

FH JOANNEUM Graz

Language of instruction: German

12 places per year

Head of Degree Programme: Dipl.-Log. Dr. Robert Darkow

Tuition fees: no tuition fees for students from the EU, EEA and Switzerland

All information about deadlines, application and admission can be found online. www.fh-joanneum.at/log

Career prospects

Speech therapists examine and treat people of all ages with disorders in speech, language, voice, swallowing and hearing and carry out audiomotor tests. The responsibilities of our graduates are varied: they are often employed by hospitals, rehabilitation clinics and specialised units but increasingly work on a freelance basis in an independent practice. Graduates also have additional opportunities to work in education, science and research or enrol on advanced healthcare degree programmes.

“… that we run a lecture series in logopedics? We regularly invite renowned experts from the field or related disciplines to share their knowledge.” - Lisa Ludvik, BSc, Graduate

CURRICULUM: 180 ECTS (30 ECTS per semester)
Bachelor’s degree programme
PHYSIOTHERAPY

You’ll enjoy many ‘moving’ moments with us. Our students work to maintain or restore mobility in patients of all ages and circumstances. Join us and help shape tomorrow’s health.

What you will learn:
- Acquiring specialist knowledge
- Understanding body functions and complex movement patterns
- Carrying out the physiotherapy process – clinical reasoning
- Working with patients in different settings
- Applying different treatment methods
- Acquiring social communicative skills
- Combining physiotherapy and science – evidence

You will develop the expertise to apply the knowledge learned to the patient and independently implement targeted therapeutic measures on the basis of scientific and clinically proven knowledge. The degree programme also provides internships in various medical facilities in Austria and abroad from the second semester onwards, where you will translate theoretical knowledge into physiotherapy practice.

Organisation
Physiotherapy is a full-time course. This means the classes are held at FH JOANNEUM over an 18 week period each semester, generally all day Monday to Friday, with the exception of block modules, lectures in cooperation with other institutions and internships. You receive a current timetable at the start of each semester.

Did you know ...
... that we have a laboratory for analysing movement? Here you’ll learn to use and apply a variety of analysis systems.

“There are a range of different therapy concepts and approaches to physiotherapy. Thanks to personal commitment, as well as dialogue and cooperation with the Physiotherapy programme, many options are open to us after our course. As the ‘new generation’ of physiotherapists, we can contribute to creating a better occupational profile, locally, nationally and internationally.”

Sandra Degelsegger, BSc, Graduate

FACTS

Bachelor of Science in Health Studies (BSc)

Full-time

6 semesters / 180 ECTS

FH JOANNEUM Graz

Language of instruction: German

70 places per year

Head of Degree Programme: Beate Salchinger, MMSc

Tuition fees: no tuition fees for students from the EU, EEA and Switzerland

All information about deadlines, application and admission can be found online.

www.fh-joanneum.at/ph

Did you know ...
... that we have a laboratory for analysing movement? Here you’ll learn to use and apply a variety of analysis systems.

Career prospects
Physiotherapists contribute to shaping tomorrow’s health care. As experts in motion analysis and therapy, they play an important role in multiprofessional medical teams and together with patients and clients coordinate the therapeutic objectives in prevention, health promotion, treatment and rehabilitation. Our graduates can work in hospitals, rehabilitation centres, outpatient departments, private clinics, old people’s homes, schools, nurseries or companies. They also have the opportunity to work on a freelance basis in their own practice or as a mobile therapist.

CURRICULUM: 180 ECTS (30 ECTS per semester)

<table>
<thead>
<tr>
<th>1st semester</th>
<th>2nd semester</th>
<th>3rd semester</th>
<th>4th semester</th>
<th>5th semester</th>
<th>6th semester</th>
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<td>Fundamentals of Medical Science 1 6 ECTS</td>
<td>Hypothesis-Driven Interventions in the PT Process 6 ECTS</td>
<td>Physiotherapy for the Musculoskeletal System 1 12 ECTS</td>
<td>Physiotherapy for Motor Development and Control of Movement 2 6 ECTS</td>
<td>Physiotherapy for Motor Development and Control of Movement 2 6 ECTS</td>
<td>Physics in the Modern Healthcare System 6 ECTS</td>
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<tr>
<td>Fundamentals of Medical Science 2 6 ECTS</td>
<td>Physiotherapy for Motor Development and Control of Movement 2 6 ECTS</td>
<td>Kinesiology 2 3 ECTS</td>
<td>Behaviour and Experience in Physiotherapy 3 ECTS</td>
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<td>Kinesiology 1 6 ECTS</td>
<td>Physiotherapy for Organ Systems 1 6 ECTS</td>
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<td>Internship 9 ECTS</td>
<td>Physiotherapy for Organ Systems 2 3 ECTS</td>
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<td>Internship 9 ECTS</td>
<td>Scientific Research 1 3 ECTS</td>
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<td>Internship 9 ECTS</td>
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<td>Internship 9 ECTS</td>
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1716
Bachelor's degree programme

RADIOGRAPHY

Are you fascinated by the combination of medicine and technology? Then this is the right programme for you. Because our students will be tomorrow's professionals in radiological and nuclear medicine imaging and effective treatment methods.

What you will learn:
- Medical fundamentals in the context of radiography
- Applying imaging methods in radiology and nuclear medicine
- Participating in the planning of radiographic interventions and therapy concepts in radiation oncology
- Developing models and concepts in situational patient communication
- Applying information and communication technology in health care
- Responsibility for radiation protection in radiography
- Understanding the role of radiography in the context of the health sciences
- Conducting research

The programme offers you science-based training in the core areas of diagnostic radiology and interventional radiology, nuclear medicine and radiopharmacy. In addition to specialist knowledge, great importance is placed on internships which you will complete at healthcare institutions from the first semester onwards.

Organisation
Radiography is a full-time course. This means the classes are held at FH JOANNEUM over a 20 week period each semester, generally all day Monday to Friday, with the exception of internships. You receive a current timetable at the start of each semester.

Did you know ...
... that our students complete their internships not only in Austria and across Europe, but also around the globe, for example in the USA and Africa?

Did you know ...
... that our students complete their internships not only in Austria and across Europe, but also around the globe, for example in the USA and Africa?

Career prospects
Our graduates work in diagnostic and interventional radiology, nuclear medicine and radiation oncology. Potential employers include hospitals, physicians in private practice, industry and research institutions. The speed of technological developments in the field is opening up new career opportunities.

FACTS

Bachelor of Science in Health Studies (BSc)

Full-time

6 semesters / 180 ECTS

FH JOANNEUM Graz

Language of instruction: German

25 places per year

Head of Degree Programme: Dr. Helmut Ritschl, MA MSc

Tuition fees: no tuition fees for students from the EU, EEA and Switzerland

All information about deadlines, application and admission can be found online.

www.fh-joanneum.at/rad

Did you know ...
... that our students complete their internships not only in Austria and across Europe, but also around the globe, for example in the USA and Africa?

“Did you know...
... that our students complete their internships not only in Austria and across Europe, but also around the globe, for example in the USA and Africa?”

Christoph Stocker, BSc, Graduate

CURRICULUM: 180 ECTS (30 ECTS per semester)

<table>
<thead>
<tr>
<th>1st semester</th>
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<tr>
<td>Fundamentals of Anatomy in Radiography 5 ECTS</td>
<td>General Pathology in Radiography 2.5 ECTS</td>
<td>Measurement &amp; Analysis Methods in X-Ray Diagnostics 4 ECTS</td>
<td>Medical Case Analysis - Nuclear Medicine 4 ECTS</td>
<td>Medical Case Analysis - Magnetic Resonance Imaging 3 ECTS</td>
<td>Medical Case Analysis - Angiography 3.5 ECTS</td>
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<tr>
<td>Fundamentals of Physiology in Radiography 5 ECTS</td>
<td>Specific Pathology in Radiography 2.5 ECTS</td>
<td>Medical Case Analysis - Computed Tomography 2 ECTS</td>
<td>Radiographic Processes in Computed Tomography 2 ECTS</td>
<td>Radiographic Processes in Magnetic Resonance Imaging 2 ECTS</td>
<td>Radiographic Processes in Magnetic Resonance Imaging 2 ECTS</td>
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<td>Medicinal Fundamentals 1.5 ECTS</td>
<td>Pharmaceutics 1.5 ECTS</td>
<td>Radiographic Processes in X-Ray Diagnostics 3 ECTS</td>
<td>Radiographic Processes in X-Ray Diagnostics 3 ECTS</td>
<td>Measurement &amp; Analysis Methods in Nuclear Medicine 4 ECTS</td>
<td>Measurement &amp; Analysis Methods using Ultrasound 2.5 ECTS</td>
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<td>General Hygiene 1.5 ECTS</td>
<td>Basic and Advanced Life Support 3 ECTS</td>
<td>Internship &amp; Lessons Learned in Computed Tomography 3 ECTS</td>
<td>Internship &amp; Lessons Learned in Magnetic Resonance Imaging 3 ECTS</td>
<td>New Technological Developments in Health Informatics 1.5 ECTS</td>
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<td>Radio-pharmaceuticals 1.5 ECTS</td>
<td>Measurement &amp; Analysis Methods in Nuclear Medicine 4 ECTS</td>
<td>Measurement &amp; Treatment Methods in Radiation Oncology 4 ECTS</td>
<td>New Technological Developments in Medical Imaging 1.5 ECTS</td>
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<td>Introduction to the Occupational Field of Radiography 4.5 ECTS</td>
<td>Internship &amp; Lessons Learned in X-Ray Diagnostics 5 ECTS</td>
<td>Medical Case Analysis - Nuclear Medicine 3 ECTS</td>
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<td>Oncological Therapy Concepts 2 ECTS</td>
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<td>Bachelor’s Thesis 2 ECTS</td>
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<td>Cumulative Internship &amp; Lessons Learned in Radiography II 9.5 ECTS</td>
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</table>

“Did you know...
... that our students complete their internships not only in Austria and across Europe, but also around the globe, for example in the USA and Africa?”

Christoph Stocker, BSc, Graduate

Curriculum: 180 ECTS (30 ECTS per semester)
Master's degree programme
MASS SPECTROMETRY AND MOLECULAR ANALYSIS

At FH JOANNEUM you will learn about innovative techniques and applications in molecular biology, pharmacology, gene technology, nanotechnology and bio-informatics. From the third semester onwards you will focus more intensively on special spectrometric methods, or in molecular diagnostics, treatment and production.

What you will study:

Bio-informatics.
Experimental design relies on sufficient knowledge of bio-informatics. You learn to apply bio-informatics tools, as well as becoming acquainted with multivariate statistical methods in order to identify complex relationships and recognise significant changes in command variables in the field of applied OMICs technologies – genomics, proteomics and metabolomics.

Mass spectrometry.
In this module you learn more about innovative disciplines such as lipidomics and proteomics. You deal with the latest areas of application for mass spectrometry systems, special ionising techniques, and quantification techniques. You also gain in-depth knowledge of chromatographic separation processes.

Molecular analysis.
Vaccine manufacturing, molecular diagnostics and gene therapies are the focus of this module. You will explore analytical processes in molecular biology, concentrating in particular on applying molecular diagnostics and producing recombinant proteins. You also learn about biomarkers, gene technology, stem cells and gene therapy.

You can further develop your understanding of the subject during projects and in your Master’s thesis.

Did you know …
... that you apply the theoretical knowledge you have learned in the lab? We provide state-of-the-art equipment drawing on the latest technologies in molecular biology and mass spectrometry.

Organisation
The relatively low number of hours you are required to attend, the part-time organisation of the course and e-learning methods mean that the degree programme can be combined with job and family. A third of teaching is delivered via e-learning. The classes you are required to attend at FH JOANNEUM are held at around 10 weekends per semester, on Friday and Saturday.

Career prospects
The qualification profile of our graduates opens up employment opportunities in a wide range of sectors such as environmental and food analytics, quality assurance, biomedicine, medical engineering, forensics, or pharmaceutics. Our graduates are also qualified to proceed to a relevant doctoral programme in science, engineering or medicine.

FACTS
- Master of Science in Engineering (MSc)
- Part-time
- 4 semesters / 120 ECTS
- FH JOANNEUM Graz

Language of instruction: German
- 24 places per year
- Interim Head of Degree Programme: Mag. Christine Kogler
- Tuition fees: no tuition fees for students from the EU, EEA and Switzerland
- All information about deadlines, application and admission can be found online.
- www.fh-joanneum.at/mma

CURRICULUM: 120 ECTS (30 ECTS per semester)

1st semester | 2nd semester | 3rd semester | 4th semester
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Fundamentals of Molecular Biology 2 ECTS | Molecular & Mass Spectrometry 3 ECTS | Special Chapters of Mass Spectrometry 4 ECTS | Medical and Environmental Molecular Diagnostics 4 ECTS | Master’s Thesis Seminar 6 ECTS
Fundamentals of Chemistry 2 ECTS | Chromatography and Spectrometry Techniques 4 ECTS | Mass Spectrometry Exercise 4 ECTS | Gene Therapy 3 ECTS | Master’s Thesis 24 ECTS
Chemistry & Stoichiometry 7 ECTS | Spectral Interpretation 2 ECTS | Chromatographic Separation Techniques 2 ECTS | Method Development and Optimisation 2 ECTS | Interdisciplinary Applications 4 ECTS
Molecular Cell Biology, Genetics & Gene Technology 7 ECTS | Methods of Molecular Biology and Gene Technology 5 ECTS | Nanotechnology 2 ECTS | Data Management, Data Interpretation & Structural Analysis 4 ECTS |
Chromatographic & Electrophoretic Separation Techniques 4 ECTS | Applied Bioinformatics 4 ECTS | Medical and Environmental Molecular Diagnostics 4 ECTS | Design of Experiments 2 ECTS |
Statistical Methods – Data Preparation & Analysis 6 ECTS | Nanotechnology 2 ECTS | Quality Assurance and Validation in Analytics 2 ECTS | Scientific Writing & Presentation 2 ECTS |
Team Management & Social Media 2 ECTS | Chromatographic & Mass Spectrometry Techniques 15 ECTS | Molecular Techniques & Life Sciences 11 ECTS | Interdisciplinary Research Project 4 ECTS |
Literature Databases & Effective Literature Search 2 ECTS | Focus: Spectrometry Techniques 18 ECTS | Focus: Molecular Diagnostics, Therapy & Production 18 ECTS | Bioinformatics & Statistical Methods 16 ECTS |

FH JOANNEUM Graz.
All information about deadlines, application and admission can be found online.
Postgraduate Master's course
APPLIED NUTRITION MEDICINE

The increase in nutrition-related disorders means medical practitioners and dietitians are facing new challenges. Consequently this postgraduate course focuses on both these professional areas. The programme is designed to enhance the participants' scientific and subject-related knowledge of nutrition medicine.

Key areas
The programme includes 12 modules and writing a Master's thesis. The programme equips students with fundamental and selected competences in medicine and dietetics, expanding and deepening this knowledge in specialist areas. Nutritional medicine is a complex specialisation, and is combined with strategic interdisciplinary expertise such as public health, quality management and research. Current scientific discussions related to medicine and nutrition are also considered on the course.

FH JOANNEUM runs the university course jointly with the Medical University of Graz as part of an innovative cooperation model.

Target group
The programme is designed for both dietitians and medical practitioners. It examines interdisciplinary cooperation between both occupational groups, as well as the reciprocal application of the competences in each field. The different experiences brought by the participants on the programme serves to bring together perspectives from science and practice.

Admission requirements
University degree in medicine or degree in dietetics and nutrition from a university of applied sciences or equivalent three-year training at a recognised educational institution in Austria or abroad (180 ECTS).

Did you know ...
...that we focus on problem-based learning? Real-life professional situations are examined and innovative solutions developed on the basis of specialist literature.

FACTS

- Master of Science in Applied Nutrition Medicine
- Part-time
- 5 semesters / 120 ECTS
- FH JOANNEUM Bad Gleichenberg
- Medical University Graz
- Language of instruction: German
- 20 places per year
- Course Head: Elisabeth Pail, MSc MBA, FH JOANNEUM Univ.-Prof. Dr. Hermann Toplak, Medical University Graz
- Total costs: EUR 12,500
- All information about deadlines, requirements, application and curriculum can be found online.
- www.fh-joanneum.at/nut
  www.medunigraz.at/nutr

Organisation
In order to permit students to study on a part-time basis, mandatory attendance takes the form of weekly and weekend blocks, divided between the Medical University of Graz and FH JOANNEUM in Bad Gleichenberg. Individual parts of the course can be completed via e-learning.

“The diversity of the course offers students a solid and broad basis for developing their careers.”

Daniela Gmeindl-Tscherner, MSc, Graduate

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<th>Units*</th>
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<td>Project and Quality Management</td>
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<td>Hot Topics in Nutrition Medicine</td>
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<td>6</td>
<td>Nutritional Interventions for Specific Target Groups</td>
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<td>7</td>
<td>Nutrition Psychology and Counselling</td>
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<td>8</td>
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<td>11</td>
<td>Public Health Nutrition</td>
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<td>12</td>
<td>Health Promotion in Practice</td>
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<td>Master's Thesis and Defence</td>
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</tbody>
</table>

* 1 unit = 45 minutes

Career prospects

Medical practitioners and dietitians are required to apply scientific methods which reflect the state of medical knowledge in order to demonstrate the effectiveness of dietary measures. This approach ensures professional care, based on interdisciplinary cooperation and taking into account the latest findings of applied research in the field of nutrition medicine.

Graduates go on to work in healthcare institutions, in university and non-university research, in the education sector, or as independent professionals.
“Our Department combines a practical approach with innovative research and development. We have a strong interdisciplinary focus. Our work aims at encouraging and challenging our students so that they are well equipped for the world of work and capable of actively shaping their professional future.”

Gabriele Schwarze, MSc MAS
Head of the Department of Health Studies

FH JOANNEUM
FH JOANNEUM offers students sound academic training – our programmes are practice-oriented, project-based and interdisciplinary. Our university’s large network enables students to complete internships with leading companies and institutions in Austria and abroad and spend a semester studying at one of over 200 partner universities around the world.

GRAZ – Science and Culture
... in a nutshell: population over 270,000, student population around 50,000 at a total of eight universities. A historic centre, which is listed as a UNESCO world heritage site. Contemporary art and music, modern architecture, which has gained international renown as the Graz School. Eco-city, City of Design, business and innovation centre. Mediterranean flair, bustling urban atmosphere and exciting night life, plus many great places to dine out are part and parcel of the Graz experience.

www.graz.at

BAD GLEICHENBERG – Health and Tourism
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