Enrol and take the world a step forward! Studying at the FH Upper Austria means practice-oriented collaboration on concrete projects from business and industry. Whether you want to develop the cars of the future, improve the quality of food products, market products globally or fight against cybercrime: you can put your ideas into practice with one of our 68 bachelor and master study programmes.

Linz, Hagenberg, Steyr, Wels
Come to us and make it real!
EDUCATION AS YOUR PERSONAL KEY TO SUCCESS

Professional success means something different to everyone. In any case, getting the job one wants is an important step on the way there. By studying at Austrian’s largest university of applied sciences, you obtain the skills you will need to do so: regardless of whether you are embarking on your first course of studies after leaving school or if you want to continue your tertiary by completing a Master’s degree.

The University of Applied Sciences Upper Austria’s (FH Upper Austria) degree programmes, eleven of which are taught in English, have been offering practice-oriented, academic studies for almost 25 years. The fields offered range from engineering and economics to life sciences and social sciences – a variety of branches that is matched by hardly any other institution. The labour market is increasingly calling for international experience. Studies abroad offer the opportunity to acquire this advantage even before embarking on working life. Furthermore, project management, intercultural sensitivity and social skills are gaining importance.

The state of Upper Austria has invested about 348 million euros in the past years to maintain the highest international standards at the four campuses of FH Upper Austria through modern infrastructure, a versatile selection of study degree programmes and highly qualified teaching staff.

If you attach importance to practical orientation in your studies and to a competitive, internationally recognised qualification – studying at the FH Upper Austria is the right way to go. This study guide should serve as an aid to choosing the right degree programme. We would be happy to welcome you to Upper Austria soon.

Study in Upper Austria. Gain international experience!
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Programmes in English

INFORMATICS, COMMUNICATIONS AND MEDIA
Hagenberg Campus

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B = Bachelor’s degree programme
PT = Part-time
FT = Full-time

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M Mobile Computing (MC) ................................................................................................ FT 46

MEDICAL ENGINEERING AND APPLIED SOCIAL SCIENCES
Linz Campus

M Medical Engineering (MME) ............................................................................................ FT 48

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Steyr Campus

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ENGINEERING

Wels Campus

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B = Bachelor’s degree programme
M = Master’s degree programme
FT = Full-time
PT = Part-time

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STUDY IN THE HEART OF EUROPE

Austria is a beautiful country in the heart of Europe with a rich cultural heritage. It was the home of Mozart, Klimt, Freud, and ‘The Sound of Music’. Austria’s snow-capped mountains, crystal-clear lakes, rivers and historic cities such as Salzburg and Vienna attract tourists from all over the world. The Austrian standard of living is one of the highest in the world.

Austria is always ranked top in the annual financial report of the United Nations Development Programme (UNDP) and stands for:

- Quality in education
- Excellent social security
- Reliable health care for all
- A low crime rate

The national language is German, but most people speak English well.

Upper Austria

The state of Upper Austria is located in the north of Austria and combines natural beauty with a thriving economy. Upper Austria is one of Europe’s leading regions in education, technology and employment. The economy is very much export oriented – in fact, more than 25% of Austria’s total exports originate from here.
REASONS TO STUDY AT THE FH UPPER AUSTRIA

Practice-oriented – International – Strong in Research

Anyone who studies at Austria’s largest and, in terms of research, strongest university of applied sciences has no need to worry about his or her future. The FH Upper Austria’s schools in Hagenberg, Linz, Steyr and Wels offer 68 Bachelor’s and Master’s degree programmes to choose from. With practice-oriented contents and job prospects that are more than promising, the FH Upper Austria is internationally oriented to enable its graduates to meet global challenges. The FH Upper Austria in figures:

- 4 schools
- 5,900 students – 18,000 alumni
- 68 degree programmes
  (31 Bachelor’s degree programmes – 37 Master’s degree programmes)
  thereof 11 are taught entirely in English plus more than 300 modules taught in English
- 400 research projects currently in progress

Roots in Practice, Experts from Business

The FH Upper Austria cooperates intensively with companies and institutions thus winning the support of leading experts for teaching and for practice-oriented student projects. CEOs, executive board members, entrepreneurs and established researchers with many years of practical experience in innovative and successful businesses in relevant professional fields give students insights into different sectors, leadership issues and challenges of today and tomorrow.

Sought after by the Market, Top Reputation within the Industry

99 percent of the FH Upper Austria graduates have currently a job. A survey of 200 companies have given the FH Upper Austria very good marks. The strong practical orientation through an intensive cooperation with businesses and industry as well as our graduates’ professional expertise, team spirit and communication skills, analytical skills and project management skills were rated very positively. More than 80 percent of the companies even reported that degree programmes at universities of applied sciences are better suited to the modern working world than degree programmes at traditional universities. This feedback is also confirmed by the good job prospects enjoyed by FH Upper Austria alumni.

Class Rather than Mass – Optimum Support for Students

Students at the FH Upper Austria receive the best-possible support from a modern infrastructure, personal attention and competent staff. The FH Upper Austria particularly fosters the founding of companies by its alumni; a service centre provides them with advice and practical support. Thus several successful entrepreneurial careers have begun at the FH Upper Austria from where internationally successful start-ups like Runtastic have sprung.

Study where New Knowledge is Generated

The FH Upper Austria generates one third of the total research output of Austria’s universities of applied sciences. With a turnover of around 19.7 million euros in 2017, the FH Upper Austria is top ranked in the whole German speaking area. Students experience applied research quite directly: the latest research findings flow quickly into teaching. Some Bachelor’s and many Master’s degree students actively participate in research projects and profit from the FH Upper Austria’s large network of partners. Current research topics often also provide practice-relevant tasks for final assignments.

Live, where it is Worth Living

Austria is a country with a long tradition and rich history. This can be seen, felt and above-all experienced everywhere. Upper Austria is, however, also primarily a versatile region and a pleasant one to live in with its good infrastructure, well-functioning health care system and a very high standard of living. The capital Linz has developed into a vibrant centre without losing the high level of safety it offers. After Vienna, Upper Austria is the economically strongest federal state and very export-oriented. This in turn gives our alumni very good job prospects in a wide range of sectors.

Networking without Borders – Partners on all Continents

The FH Upper Austria fosters a network of around 260 partner universities in about 60 countries. In addition to the 11 degree programmes taught in English and 18 double-degree programmes and 1 triple-degree programme that are currently offered, the range of courses taught in English is continuously being expanded and currently comprises over 300 courses. Students from all around the world can be met at the four faculties. As well as a semester abroad it is also possible to complete an internship or period of research abroad for example.
Hagenberg is among Austria’s leading pioneers in practice-oriented teaching and introduced its first degree programme as long ago as 1993. Since then, our range of degrees has expanded considerably. Now you can choose from no fewer than 20 Bachelor and Master programmes in the fields of computer science, communications and media, many of which have won top rankings in national and international student and employer surveys.

Research activities focus on cutting-edge topics: Software Technology & Applications, Media & Knowledge Technologies, and Information & Communication Systems. In these specialist areas our 11 research groups are working on innovative solutions for the digital future.

Welcome to Austria’s Silicon Valley

It’s no surprise that Hagenberg is widely known as ‘Austria’s Silicon Valley’, a reputation that extends worldwide. With its unique combination of IT-related education, research and business in one place, Softwarepark Hagenberg has established itself as a powerhouse of innovation in computing and software development.

Hagenberg Campus is an important part of this successful technology park founded in 1989, which today hosts more than 75 companies, among them 15 start-ups, and 10 research institutes, including a Christian Doppler Laboratory and since 2018 a third Josef Ressel Center. 1,300 people are employed here, while 1,600 students work towards a Bachelor’s or Master’s degree at our School of Informatics, Communications and Media. A further 65 are studying for a Master’s or PhD at an institute of the Johannes Kepler University Linz (JKU), or on the FH Upper Austria and JKU joint PhD programme.

This dynamic environment not only provides an ideal setting for a practice-oriented, academic education but also excellent networking opportunities as well as attractive, on-site internships and employment opportunities for our students.

Modern Campus University

Our School’s three complexes of 12,000 square metres offer plenty of space for studies and research. They house over 60 computer labs, 19 seminar rooms and nine lecture halls with state-of-the-art equipment, a bio lab, an audio and a greenbox studio. Our campus also has a comprehensive library, a large student canteen and a pub.
Accommodation

Our School is located amid the idyllic park of historic Hagenberg Castle. And in the small town there is everything needed for a well-balanced student life. Shops, supermarkets, restaurants and cafés are only a few minutes’ walk away. On campus, there are several halls of residence and flat-sharing apartment complexes with space for around 750 students, as well as private accommodation for rent. Hagenberg is just 20 km northeast of the Upper Austrian capital Linz and connected by the A7 motorway and public transport (buses). The nearest train station is just 10 minutes away by bus.

Sport and Leisure

Our Sports Society organises a wide range of activities, from football and kickboxing to yoga and zumba, providing exercise not just for the mind, but also the body. A new sports hall with a climbing wall, an outdoor fun court and beach volleyball courts are close by. Our university complex houses a rehearsal room for our many student bands. We are located in the picturesque Mühlviertel region, perfect for mountain biking, hiking, skiing, riding, running, swimming, etc. The city Linz with its rich cultural life is only 25 minutes away by car, and the Salzkammergut lake district and Alpine mountains are less than an hour and a half hours’ drive.

The ÖH Students Union represents the student body and organises – often with our student association ‘IF Hagenberg’ – various social activities. With numerous student events including our popular ‘Winterfest’ and ‘Sommerfest’, our university has a lot to offer when it comes to entertainment and intercultural exchange. Likewise, social life on campus makes for a homely atmosphere and a close-knit student community. Our annual FH>>next Careers Fair with 130+ IT and media companies, various start-up events, along with our Security Forum, Game Jam, Knowledge Nights and showcase exhibitions all provide excellent networking opportunities.

International

Our 100 partner universities in 30 countries worldwide provide opportunities for a semester or two abroad. International and exchange students are professionally supported by our International Office and ‘buddy network’ during their Hagenberg stay. At our international evenings or summer schools and workshops, too, you can meet and exchange ideas with people from other nations.

School of Informatics, Communications and Media
Softwarepark 11, 4232 Hagenberg
Phone: +43 5 0804 20, info@fh-hagenberg.at
STUDYING IN LINZ
School of Medical Engineering and Applied Social Sciences

Since 2001, the Linz Faculty of the FH Upper Austria has focused on the human being as the center of its professional and academic efforts. Our unique, interdisciplinary approach combines technology, management and service within the context of the health, social, and public sectors. Both the business as well as the nonprofit sector benefit from the broad range of ideas generated by our graduates and from the results of our innovative joint projects in applied research.

State-of-the-Art Laboratories – Modern Infrastructure

The seven medical engineering laboratories are a signature feature of our faculty next to modern lecture halls and a light-flooded library. The Department of Medical Engineering as a key element of the future ‘medical valley’ of Upper Austria is researching innovative technical solutions in medicine together with international partners. In 2015, it earned international acclaim with its study on the first prosthetic leg worldwide that can ‘feel’. Our students are experiencing innovation firsthand – sometimes even entirely in English, as in our Master’s programme. A comfortable lounge area with TV screens and free WiFi serves as a communicative meeting point.

Welcome to Linz – Equally Strong in Business as in Quality of Life

Linz, the capital of Upper Austria, is home to several universities and colleges and lies at the heart of one of the strongest business regions of Middle Europe. The city is characterized by its historical architecture as well as by space created specifically for the innovative ideas of our future information society. Gastronomically, Linz offers everything from quaint street cafés to traditional Austrian coffee shops to trendy bars. Urban flair and a cosmopolitan attitude go hand in hand with Austrian tradition and established structures. The title of European Capital of Culture 2009 is testimony to its rich cultural life.

Living in Linz

There are numerous student residences in Linz – please refer to our homepage for a comprehensive list. The WIST-dormitory is located in the immediate vicinity of the FH-Campus. Of course, it is also possible to share apartments.

www.fh-ooe.at/campus-linz
Sports & Culture

Sports
The beautiful lakes of the Salzkammergut region are ideal for windsurfing, kitesurfing, and sailing. The hilly Mühlviertel region lends itself to being explored by mountain bike. The riverside paths on both sides of the Danube can be used for jogging. There are numerous sports clubs, such as the sports club of the FH Upper Austria, which offer a large range of fitness activities, especially of the indoor variety.

Culture
As the European Capital of Culture 2009, Linz offers dense cultural ‘hardware’ and ‘software’. The regional theatre company operates a music theatre with opera and ballet as well as a traditional playhouse. The theatre company ‘Phönix’ also puts on traditional plays. The ‘Brucknerhaus’ concert hall offers excellent classical as well as jazz and ‘new’ music, while the ‘Posthof’ offers outstanding popular music events as well as cabaret and smaller-scale performing arts. There are also impressive museums such as the ‘Kunstmuseum Lentos’ (art museum), the ‘Oberösterreichische Landesmuseen’ (regional museums), the ‘Stadtmuseum Nordico’ (city museum) and the ‘Ars Electronica Center’ (AEC). In addition, Linz supports and offers a large variety of artistic initiatives and performances in a number of interesting and alternating locations, as well as independent movie theaters and cultural festivals in the areas of classics, film, pop, media art and street art.

International
The School of Medical Engineering and Applied Social Sciences collaborates with roughly 70 colleges and universities worldwide. This offers our students various opportunities for studying abroad and intense exchange of knowledge. Many of our students also benefit from international experience gathered during internships abroad. A buddy network supports our international students on campus and abroad.

Reach higher by studying at the FH Upper Austria School of Medical Engineering and Applied Social Sciences in Linz. Choose from 4 Bachelor’s and 3 Master’s degree programmes. Approximately 260 professors and lecturers are currently teaching roughly 800 students and passing on practice-oriented knowledge. Almost 2000 graduates have already laid the foundation for their careers right here.

School of Medical Engineering and Applied Social Sciences
Garnisonstraße 21, 4020 Linz
Phone: +43 5 0804 50, info@fh-linz.at
STUDYING IN STEYR
School of Management

Steyr started with its first degree programme in 1995 and is one of the pioneers of the university of applied sciences sector. The excellent education including lecturers with a business background, the ideal preparation for professional life and the principle of internationality makes studying at Steyr Campus something special.

The 12 degree programmes have often achieved top scores in international rankings. More than 100 lecturers and scientific research assistants are scientifically active in the research areas of ‘Logistikum’, ‘Production and Operations Management’, ‘Digital Business’, ‘Accounting, Controlling and Financial Management’, ‘Global Business Management’ and ‘Support for Clinical Core Processes’.

Welcome to the International Management Campus

The ability to act internationally is a decisive success factor in the age of the global economy. Internationality is therefore lived accordingly and steadily expanded at the FH Upper Austria, Steyr Campus. Focused around the core competence ‘management’ there are numerous possibilities for cooperation with companies and organisations. Practice oriented teaching and research at the highest level with partners from all over the world enable students to acquire the latest know-how. Degree programmes which are held in English, a semester at a partner university or an internship abroad open up the very best possibilities to gain international experience and to develop not only professionally but also personally. This international network guarantees that the managers of tomorrow are best prepared for the constantly changing conditions of a global economy and provides them with the tools they need for an international career.

Modern, Well-Equipped Campus University

The campus buildings with their excellently equipped lecture halls, IT and seminar rooms together with a simulation laboratory and a modern business interaction laboratory provide an ideal atmosphere for study and research. In addition, a comprehensive library and a caféteria with a terrace are also available.

Achieving more with a management degree in Steyr.
6 Bachelor’s and 6 Master’s degree programmes are available. More than 380 Professors and lecturers impart practice-oriented knowledge to the 1,450 current students. More than 5,000 graduates have already laid the foundation for their career.

www.fh-ooe.at/campus-steyr
Living in Steyr

Steyr is not only a romantic city but is also a centre for the automotive and the automotive supplier industry. Well respected companies such as BMW, MAN, SKF, NKE or GFM are located here. Cooperation with Upper Austrian and international industry means that it is not difficult for students to find an internship during their studies or a job afterwards. The campus is located very close to the historic city centre so that shops, restaurants, various cultural institutions together with the castle park and the train station are easily accessible on foot. The students’ hall of residence, the Kolpinghaus, and numerous moderately priced student rooms and bedsits are a few minutes’ walk away.

Sport and Leisure

Anyone seeking a physical balance to their work will find that the FH Sports Club offers just the thing. Numerous activities such as climbing, pilates, football or rowing are provided for students. In addition, there is a fitness studio and sports field very close to the campus and an ice skating rink for winter pleasure. Mountain biking and climbing are possible in the Kalkalpen National Park which is approximately 50 km away. Skiing, horse riding and swimming possibilities can be found in the immediate vicinity. The student union (ÖH) provides students with help and advice and organises numerous events such as the Boatmania and the students’ pubs which ensure that students can make use of leisure activities in addition to their studies and to encourage a close and familiar relationship among students. In addition, students have the possibility to participate in events such as the FH Career Fair, various Management Talks or at diverse conferences where they are also able to forge contacts with Industry.

International

The School of Management is an international hub for top management courses and enables students to spend a semester abroad at one of the 120 partner universities in approximately 50 countries throughout the world with the aim of strengthening their intercultural competences and foreign language skills. A buddy network supports regular or exchange students. Campus events such as the International Week with the Cross-Cultural Business Conference or the International Fair provide an exciting knowledge transfer and cultural exchange with other nations.

School of Management
Wehrgrabengasse 1–3, 4400 Steyr
Phone: +43 5 0804 30, office@fh-steyr.at

STEYR CAMPUS
The Upper Austrian School of Engineering in Wels is one of the pioneers in the university of applied sciences sector since its founding in 1993. With its main focus areas and the highly successful research projects it counts as one of the most renowned Universities of Applied Sciences in Austria. With approximately 150 full-time members of academic staff and a very high RD share in acquired third-party funding in 6 different research areas, it is among the best universities of applied sciences, also in research matters.

**Welcome to the Leading Research School**

Research is carried out in Wels in the areas of automation technology and simulations, measurement and testing technology, food technology and nutrition, energy and the environmental sciences, innovation and technology management, materials and production technology.

The School of Engineering in Wels offers scientifically sound, hands-on degree programmes that are internationally recognised. There are many reasons to study at the University of Applied Sciences in Wels: in addition to the high-quality training, good staff-student ratio and top job prospects, a seamless transition into a meaningful career is one of the greatest advantages. Many students complete their Bachelor’s or Master’s Theses in cooperation with partner companies or as research assistants in one of the numerous research projects in Wels during their studies.

**Modern, Well-Equipped Campus**

The University of Applied Sciences Upper Austria Campus in Wels is also one of the most modern technical faculties. A total of around 60 million euros have been invested in the premises and laboratory equipment in Wels to make it state of the art. Meanwhile, the campus extends across 9 buildings with about 60 modern laboratories, a library and cafeteria. At the moment there’s a big laboratory building under construction.

**Living in Wels**

In its 2,000 years of history, the second largest city in Upper Austria developed into a hub especially during the Roman era and the Middle Ages. The Wels International Fair
and the small and medium-sized enterprises in and around the metropolitan area of the city today makes it an important business location with an international reputation. Cooperation between business, industry and the Upper Austrian School of Engineering in Wels make it an extremely attractive place to study, with ideal travel connections (motorway A25, A9, A1; Western-line of National Railway). The nearby Kolping student residence halls can accommodate 145 people, and the new ‘Georg Oberhaidinger-Haus’ halls can accommodate 100 people. Additional student housing is currently in planning, although many students live in shared apartments.

**Sport and Leisure**

A university-wide sports club provides physical alternatives and possibilities. This includes all common types of sports, from running and fitness training, football and volleyball, snowboarding, climbing, karate and kickboxing to dance classes. The lakes of the Salzkammergut (Attersee, Traunsee, Mondsee) and the nearby mountains and ski areas are only about 45 minutes away by car. In addition to the Roman town of Wels, the state capital Linz (approx. 30 minutes by car and 10 minutes by train), offers a rich cultural setting. For these reasons, students in Wels benefit on the one hand from the top job prospects in the industrial triangle of Linz – Wels – Steyr, and on the other hand from a wide range of cultural and physical activities.

The Student Union takes care of student interests and organises numerous events, with such fixtures as two big campus parties every semester, the Solarcar Challenge, the Alumni Meeting and the Students’ Union ‘Seiterl’ or Punch Stands, which are held regularly on Thursdays, helping to form the social ‘family’ of students in Wels. The Student Union offers a social programme with special perks for the nightlife in Wels.

**International**

Around 100 partner universities in more than 40 countries currently offer students attractive opportunities for a semester abroad. Wels Campus also offers 5 international degree programmes and hosts more than 150 international students on campus. A buddy network supports international full-time and exchange students, while campus events, such as the International Evening and English Lunch, encourage an active exchange of knowledge and culture with students from other nations.

**School of Engineering**
Stelzhamerstr. 23, 4600 Wels
Phone: +43 5 0804 40, info@fh-wels.at
WHAT DOES A DEGREE PROGRAMME ENTAIL?

A six-semester Bachelor’s degree programme leads to the internationally recognised first academic degree, the ‘Bachelor of Arts’ (BA) or the ‘Bachelor of Science’ (BSc). This opens the doors to working life and also to a four-semester Master’s degree programme. The ‘Master of Arts’ (MA) or ‘Master of Science’ (MSc) is the prerequisite for embarking on doctoral studies.

In the EU as well as in many non-EU-member countries the three-tier ‘Bologna-System’ – Bachelor’s, Master’s degree programme and PhD/Doctorate – facilitates the international recognition and comparability of academic degrees. This makes it possible for parts of degree programmes to be completed at different national and international universities. Credit for this is given via ECTS-credits (‘European Credit Transfer System’), which are collected during a degree programme. A Bachelor’s degree programme at FH Upper Austria comprises 180 ECTS and a Master’s degree programme 120 ECTS.

Semester Abroad & Internship

Studying Abroad
A semester abroad provides new insights, experiences and contacts. It is an option that is open to all students subject to syllabus compatibility and/or agreement with the head of studies, in some degree programmes a semester abroad is even mandatory. Agreements with partner universities regulate the partial acquisition of their qualifications within the framework of a period of study abroad (double-degree).

Internship
All Bachelor’s degree programmes include an internship in a company or organisation at home or abroad. Students will be supported in finding a suitable internship placement by the degree programme administration. In the case of part time students, special regulations take a student’s individual situation into consideration.

Order of Study

The good news is that study degree programmes are organised to make it possible to complete all prescribed courses and examinations in the intended study period. Students at the FH Upper Austria are not confronted with long waiting lists. Practice-oriented sessions and seminars in small groups guarantee optimum student support.

Specific focus areas have plenty of room in the syllabi. Teaching is carried out by professors from the FH Upper Austria as well as leading experts from the individual professional areas. These specialists and leaders from industry contribute their top know-how while providing valuable contacts to the real life working world.

Academic Calendar

» Winter Semester: Beginning of September or beginning of October (depending on degree programme) to mid-February
» Summer Semester: Beginning of March – mid-July

COSTS AND FUNDING

Tuition Fees
A study degree programme is an investment in one’s own future, whereby financial aspects must of course be carefully considered. The FH Upper Austria charges tuition fees for Bachelor’s and Master’s degree programmes as follows:

- EU/EEA citizens: 363.36 EUR per semester (plus EUR 19.20 Austrian Student Union fee).
- Citizens from non-EU/EEA countries: 726.72 EUR per semester (plus EUR 19.20 Austrian Student Union fee). Merit-based scholarships are available.

Please note: Exchange students are exempt from tuition fees!

Cost of Living
The costs of accommodation and living vary depending on the city in which the school is located and on the student’s personal life style. In general one must calculate approximately € 550 – € 750 a month.

Grants & Scholarships
Financial support may be available depending on your country of origin and degree programme. Details of these can be found on the Internet portal www.grants.at.

Information for Applicants from Germany
‘Auslands-BAföG’ is a grant from the German state for studying in Austria! Further information can be found under www.auslandsbafoeg.de.
ADMISSION REQUIREMENTS

An international school leaving certificate or university degree qualification can be recognised as equivalent to an Austrian one due to either a bilateral agreement or a proof of made up course content at an approved university, or official conversion into an Austrian qualification via the process known as ‘Nostrifizierung’. The required proof of fulfilling the entrance requirement for higher education also depends on the country of origin. Detailed information on individual countries and qualifications can be found on http://anabin.kmk.org. Every case has to be considered individually. In principle the following requirements apply:

- **For Bachelor’s Degree Programmes**
  ‘A’-Level/high school certificate (or equivalent)

- **For Master’s Degree Programmes**
  Most degree programmes at the FH Upper Austria are designed consecutively. That means, there is a connection in terms of content between a Bachelor’s degree and the consecutive Master’s degree. Access to the Master’s degree programmes is open to graduates from relevant ‘related’ Bachelor’s degree programmes in other universities in Austria and abroad. Successful completion of at least a 6-semester specialised relevant Bachelor’s degree or a comparable academic qualification (min. 180 ECTS) from a recognised tertiary education institution is required. For specific prerequisites and recognition of previous qualifications please refer to the degree programme to which you are applying. In certain cases missing ECTS credits in certain subjects must be made up.

- **Language Requirements**
  Applicants from abroad must prove their proficiency in the language(s) of instruction at the time of their application. Depending on the degree programme, language certificates for German (at least B2) or English (B2, Toefl, IELTS certificate) must be presented. For attending the German Preparation Programme A2 Level is required.

Legalisation and Translation

Legalisation confirms the authenticity of documents and signatures and has to be done in three different modes (no legalisation is required, legalisation in the form of an apostille or full diplomatic legalisation), depending on the issuing country.

We accept original documents in German or English. Translations must be done, if required, after legalisation.

5 STEPS TO STUDYING AT THE FH UPPER AUSTRIA

1. **Information**
   Being well-informed is a prerequisite of choosing the right degree programme and profession. You can obtain a wide range of insights from our website, social media, conversations with professors and students as well as information days. www.fh-ooe.at/programmes

2. **Application**
   Send your documents either immediately online or on paper. It is possible to apply for two degree programmes simultaneously. Required documents: CV, personal statement, birth certificate, passport copy Bachelor’s programmes: transcript of grades of the last 2 years, university entrance qualification certificate
   Master’s programmes: transcript of records, university degree certificate www.fh-ooe.at/application

3. **Admission Process**
   Applicants to all study degree programmes, who fulfil the formal prerequisites, will be invited to an interview. A further component of the process can be a potential test or a portfolio. www.fh-ooe.at/admission-process

4. **Feedback**
   All applicants receive detailed information regarding the application process at the interview. Some programmes also send out written feedback regarding the status of their applications.

5. **Semester Start**
   Studying begins with degree programme specific introductory and info events on campus life.

### Deadlines for Application
31 January | 31 March | 30 June 2019

*This does not apply for:* Media Technology and Design, Social Work, Mobile Computing (MSc), Energy Informatics, Interactive Media. For non-EU residents the respective deadlines may be shorter due to longer process times for visa applications.

Any applications for the academic year 2019/20, that reach us after the 30 June 2019, will be processed if places are available.
WHICH PERMITS ARE REQUIRED?

Entry and Residence Permit for Foreign Students
It is the student’s obligation to take care of visa/residence permit arrangements for entry to and the duration of their stay in Austria. Detailed information can be found: www.fh-ooe.at/guide-international-students

Working in Austria
Whether or not students are allowed to work in Austria depends on the nationality, the kind of work and for nationals of non-EU countries also on the type of the residence permit held.

Exemptions
No work permit is needed:
- In the case of activities in research & development
- For students of most EU/EEA-countries (exception: students from Croatia still need a work permit till 2020)
- For students who study at a university of applied sciences as part of a bilateral exchange programme (please note, this is only valid for internships up to 15 weeks for a Bachelor’s and 20 weeks for a Master’s degree programme and does not apply to international degree-seeking students)
- In the case of students of non-EU countries for a maximum of the following working hours: students of a Bachelor’s degree programme: 10 hours per week, students of a Master’s degree programme: 20 hours per week (these hours can only be exceeded with permission from the AMS)
- For internships included in the curriculum
- For voluntary work (without commitment to work and without pay claim up to 3 months per calendar year)

EU/EEA nationals
- No entry or residence title necessary
- Stays of more than 3 months: Confirmation of registration

Non-EU nationals
- A) Stays for a max. of 6 months
- Visa C or D or D+C
- B) Stays of more than 6 months
- Residence permit Student

WHY WE NEED EXACTLY YOU

- Conception of electronic devices
- Development of electronic devices
- Development of test strategies and test systems
- Prototype service
- Production of electronic devices and components
- Assembly of electronic devices
- Modification and repair service
- X-ray analyses of devices and components

We will be pleased to inform you. Please send your application to: karriere@technosert.com
STUDYING INTERNATIONALLY AT FH UPPER AUSTRIA

Semester Abroad at Partner Universities
Semesters abroad can be completed at around 260 partner universities in about 60 countries. Many students take advantage of this opportunity as international experience not only looks good on a CV, but also provides linguistic competence, intercultural know-how and international networks and friends. A range of grants and financial support opportunities are available for financing the semester abroad.

www.fh-ooe.at/partner-universities

Double-Degree Programmes
In addition to a regular semester abroad, around 18 different double-degree programmes are offered by the FH Upper Austria.

Triple-Degree Programme* NEW
This programme in Global Sales & Marketing equips the students to develop and manage general business, sales and marketing activities, in cooperation with the CETYS University (Mexico) and the Providence University (Taiwan).

Internship Abroad
This opportunity to study abroad is also used by many students. The FH Upper Austria supports students with the necessary documents and information about grants. Travel and residence costs are met by the students themselves or the organisation offering the internship.

Studying in English
2 Bachelor’s and 9 Master’s degree programmes are offered entirely in English. Further international degree programmes are currently being planned. A detailed description of these degree programmes can be found in this study guide. Many lectures and practice-oriented sessions are taught in English in all degree programmes, the total range offered comprises 300 courses.

Internationalisation at Home
Over 550 exchange students from around the world complete their semester abroad at the FH Upper Austria each year, bringing international flair to the four schools. Courses taught in English, guest professors from all around the world, summer schools and international weeks are an important part of internationalisation at home. Moreover, these initiatives are also supported by many Austrian universities and organisations.
Study Project
Projects are a fixed component of a degree programme. Small groups of students work on a concrete task set by a company or organisation in accordance with the syllabus. This gives students an opportunity to apply their up-to-date know-how in practice. The companies/organisations receive concrete project results, which are also presented by the students themselves.

Internship
While studying for their Bachelor’s degrees, students are required to complete an internship in a company or organisation in Austria or abroad. The aim of this is to achieve practical consolidation of knowledge and its target-oriented application in the future work environment. Students are required to solve a measurable and clearly defined project task. The task can be chosen from the taught content of the relevant syllabus. Companies support interns with professional expertise and also evaluate their performance. The duration of the internship is between 9 and 24 weeks.

Master Thesis
Students often write this academic paper for companies as this might be a career ticket. More and more students are also fascinated by research and use the master thesis as an opportunity to work on one of the numerous FH Upper Austria research projects.

External Experts
Experts who are involved in the day-to-day real-life working world bring state-of-the-art know-how and new perspectives into the courses. Complementing the work of our professors, they emphasise primarily the practice-oriented aspect of a university of applied sciences degree programme.

Events and Job Fairs
Various specialist exhibitions, forums and job fairs at the four faculties provide the students with a platform to get into contact with decision makers, experts and HR officers. Field trips and educational stays abroad open a further window into professional life.

Collaboration on Research Projects
Numerous master students can take on individual work packages in running applied research projects. This gives them an opportunity to gain first class competencies in practice-relevant research fields. As already mentioned, the master thesis can also be closely connected to project contents.
STUDENT LIFE

WHAT DOES THE CAMPUS HAVE TO OFFER?

Student Life
From a crazy boat race to a cell phone throwing contest, from a student party to a solar car challenge – the FH Upper Austria and its students plan entertaining events that make campus life more lively. There are 8 tertiary education establishments in Upper Austria and the student life in the campus cities Linz, Hagenberg, Steyr and Wels is as multifarious as one might therefore expect. Even if students do not study together, students from different universities often party together.

Sport
As a balance to studying, the sports club ‘FH OÖ Sportsteam’ provides students, alumni and staff with a wide range of opportunities to practise sport. There is something for everyone from yoga to triathlon at a range of different levels. www.sportsteam.fh-ooe.at

Libraries
At the four schools, libraries offer numerous books, databases and electronic journals on the respective topics: 119,000 print media, 25,000 e-books from the publishers Springer, Hanser and Beltz. Comprehensive access to e-books from the Wiley publishing house, 243 magazine subscriptions, around 19,000 licensed e-journals. The resources of the schools can be accessed through the search engine Primo.

Supporting Company Start-ups
The Transfer Centre for Company Start-ups is a unique service centre for potential business founders from the FH Upper Austria. Experts check the marketability of ideas and support founders with market entry and sales organisation. The foundations for the health and fitness app ‘Runtastic’ or Austria’s first 24 hour pizzeria, ‘Bistrobox’ were thus laid in the lecture halls of the FH Upper Austria. www.fh-ooe.at/start-up-spirit

Alumni Club
Alumni keep in touch with each other via the Alumni Club. Events, further education, travel and much more can be found on their agenda. http://alumni.fh-ooe.at

Student Representatives
Students at all faculties of the FH Upper Austria are represented by campus and degree programme representatives as well as nationwide representatives from the Austrian Student Union (ÖH). The ÖH group from the FH Upper Austria sends a delegate to the national ÖH. www.oeh.fh-ooe.at
At the FH Upper Austria, it is possible to study your subject in English!

The FH Upper Austria offers a total of 11 programmes, which are taught exclusively in English. For the following 2 Bachelor’s and 9 Master’s degree programmes, no knowledge of German language is required.
Energy Informatics
Full-time, 4 Semesters (120 ECTS)

- Master of Science in Engineering (MSc)
- completed Master’s or Bachelor’s degree with IT strand worth a minimum of 60 ECTS points, or a similar qualification; sound knowledge of English
- English

Energy is the underlying heartbeat of the global economy – a critical factor in the production of nearly all goods and services in the modern world. Clearly, energy informatics – the application of information technology in this highly demanding field – is the key to securing its supply and achieving a sustainable future.

Prof. Dr. Christoph Schaffer, Head of Studies

Given the critical role of energy, the driving imperatives in any economy are ensuring security of supply, maintaining competitiveness and overseeing the transition to a low-carbon future. Key requirements in this respect are the strategic management of supply and improving its overall generation and distribution. Impacting on these challenging goals will be a variety of factors, including advances in renewables, e-mobility and green technologies, to name only a few. Managing this changing environment will require intelligent IT solutions and therefore well-educated IT experts able to design and/or operate future smart grids, smart city infrastructures and enhanced energy supply systems. Our Master’s degree programme provides technical, business and legal expertise for the development of future energy systems. Students can select from a wide range of elective modules based on their specific interests.

Career Profile

In-depth technical knowledge in Energy Informatics equips our students with the proactive qualities that underpin leadership/management positions, and can lead to high-flying careers. Our graduates will not only work at energy suppliers and network operators, but also in associated sectors. Even energy-intensive industries can benefit from their expertise. Other fields include the creation, planning and implementation of IT systems for Smart Grids, Smart Cities, e-mobility and industrial plants.

Focus of Studies

- Software Systems (SCADA, Head-End and Meter Data Management Systems)
- IT Security
- Cloud Computing/Big Data
- Communication Technology (Powerline, Radio Frequency)
- Home and Building Automation
- Systems Engineering
- International Project Management
- International Energy Markets and Energy Law
- Processes and Process Modelling
- Energy Generation, Distribution, Storage and Consumers
- Smart Grid Field Components (Meters, Gateways, Load Management)
- Electromobility
- Standardisation

Practice and Research

Practical know-how is critical in this demanding field, therefore our curriculum was developed with leading IT companies in the smart grid business. R&D activities focus on providing intelligent energy services and investigating scalability aspects in a smart grid environment under given constraints (data rate, security, costs etc.).

Study Abroad

Our flexible curriculum allows out-of-country studies. This degree programme is taught in English, thus also equipping our students with the language and intercultural skills necessary to succeed in the increasingly internationally-oriented energy industry.

Did You Know that …

… most European countries have already started their smart metering roll-outs or will start them very soon? Or that smart meters are only one small aspect within the grid when it comes to the transformation into smart grids?

CONTACT

Head of Studies: FH-Prof. Dr. Christoph Schaffer
Phone: +43 5 0804 22800, Email: eni@fh-hagenberg.at
Interactive Media
Full-time, 4 Semesters (120 ECTS)

Degree: Master of Science in Engineering (MSc)
Admission Requirements: completed Bachelor’s degree or similar qualification in a relevant subject, with a minimum of 60 ECTS points in IT-related subjects; sound knowledge of English
Language of Instruction: English

Focus of Studies
The core subjects, which can be augmented by a selection of elective courses, are:

» Interactive Media: Human-computer interaction, computer vision, speech processing, collaborative work environments, interactive installations

» Games: Game development, game engines, real-time graphics, physics simulation, artificial intelligence, multiplayer games, audio systems and processing

» Online Media: Advanced web publishing, rich internet applications, semantic web services/applications, data mining, chatbots

Practice and Research
Our Media Interaction Lab (MIL) is one of Austria’s leading research labs in the field of human-computer interaction. Activities focus on exploring novel interface technologies, developing new interaction techniques and evaluating user interfaces. MIL combines research and education providing students with a project-based learning environment, as well as internships and PhD opportunities. Our research group Playful Interactive Environments (PIE) investigates new and natural playful forms of interaction. Topics include large public displays, projection mapping, co-located games, serious games, gamification and audio-reactive installations.

Study Abroad
Being taught in English, this degree programme also attracts applicants from non-German speaking countries and equips students with the language and intercultural skills necessary to succeed in the global media industry. A semester abroad can be spent at one of our partner universities in countries like Britain, Sweden and Norway.

Career Profile
Graduates are well-rounded media professionals who have acquired substantial project experience and in-depth knowledge in one or more of the following areas of specialisation: online media, games and interactive media. They possess both the conceptual and design skills necessary for developing innovative media projects and the technical skills to contribute to their subsequent implementation. Their specific qualifications make graduates sought-after experts in global contexts such as the fields of game development and multimedia authoring/production (presentations, shows, museums, kiosk systems), web-based information systems and applications, large-scale online publishing, content management and document management, multimedia databases, electronic archives, digital asset management, cooperative workflow solutions and streaming media services.

Contact
Head of Studies: Dr. Wilhelm Burger
Programme Coordinator: Mag. Volker Christian
Programme Administrator: Elisabeth Mitterbauer
Phone: +43 5 0804 22121, Email: im@fh-hagenberg.at

As digital technologies and media continue to permeate more aspects of our everyday lives, the need for simple, intuitive and natural interfaces becomes even more essential. Our Interactive Media programme focuses on preparing graduates for challenging roles in the development of innovative technologies and complex projects in the ever evolving media industry.

Mag. Volker Christian, Programme Coordinator

Did You Know that...
... our Media Interaction Lab was awarded a Google Research Award for research into wearables? And that many of our graduates are employed at leading technology companies such as Microsoft, Google and Runtastic?

Hagenberg Campus
www.fh-ooe.at/im
Mobile Computing
Full-time, 4 Semesters (120 ECTS)

Degree: Master of Science in Engineering (MSc)
Admission Requirements: completed Master’s or Bachelor’s degree with IT strand worth a minimum of 60 ECTS points, or a similar qualification; sound knowledge of English
Language of Instruction: English

Focus of Studies
All relevant areas of mobile computing are covered in this degree programme – software development, communications technologies and telecommunication engineering. It allows specialisation in several of the following areas:
» Mobile Communication,
» Ubiquitous Computing,
» Mobile Infotainment,
» Mobile Games,
» Mobile Software Techniques,
» Automotive Computing,
» Ambient Assisted Living/Mobile Health,
» Entrepreneurship,
» Logistics

All-pervasive mobile computational power is colonising all aspects of everyday life. Without it, many tasks we take for granted would be far more difficult or even impossible to carry out. These ‘intelligent’ gadgets and applications function independently of any human agency – truly a miracle of modern life. Computer-based applications are shadowing a vast range of human activity and they can also be found in the broader infrastructure of our social lives: in automated control systems for homes and in smart cars that automatically adapt to traffic conditions and even to the fickle moods of the weather.
Clearly, mobile communications have become the touchstone activity driving the most important and dynamic economic sectors worldwide in recent years. It is a global business that thrives on innovation and for which our students are thoroughly trained on our Mobile Computing degree programme.

Career Profile
In-depth technical knowledge in one or more specialist areas (see next page) equips our students with the proactive qualities that underpin leadership/management positions, and can lead to high-flying careers at multinational corporations, small and medium enterprises as well as start-up ventures. There is hardly any area in which our graduates won’t be able to thrive – be it conceptualisation of communication systems, development of mobile phone applications and interactive technologies, the design of a smart home environment or implementation of new mobile services.

Practice and Research
From the start of their first semester, students begin to work on practical projects. Topics chosen for this work can reflect the student’s personal interests. Our research focuses e.g. on novel interaction techniques, applications and services for mobile devices, user-friendly secure mobile environments, sports and health applications.

Study Abroad
Our flexible curriculum allows out-of-country studies. Destinations for our students have been Toronto, Melbourne and Helsinki, to name just a few places. This degree programme is taught in English, thus also equipping our students with the language and intercultural skills necessary to succeed in the global IT industry.

Did You Know that...
... graduates of this degree programme are the founders of the successful sports app business Runtastic? And that other alumni developed the software for the world’s first full-HD 360° action camera called V.360?

CONTACT
Head of Studies: FH-Prof. Dr. Christoph Schaffer
Phone: +43 5 0804 22800, Email: mc@fh-hagenberg.at
**Medical Engineering**

Full-time, 4 Semesters (120 ECTS)

**Degree:** Dipl.-Ing.

**Admission Requirements:** Graduates of technical-scientific Bachelor’s degree in engineering with 180 ECTS points or more (for more specific details see our website)

The Master’s degree programme in Medical Engineering enables its students to engineer medical products and place them on the market. Students apply fundamentals of engineering and science in essential areas of technology (electronics, biomechanics, medical device software, materials) connected to medical systems engineering and product development. The academic part of students’ education is enhanced by a Master’s thesis, which allows them to work intensely on certain research and/or professional areas of interest. Graduates are engineers qualified to develop medical and rehabilitation devices within the regulatory framework of European markets and the ability to consider FDA regulations.

**Career Profile**

The scientifically founded professional knowledge in connection with applied engineering skills prepares graduates for leadership functions in larger projects, product development or for an academic career as a researcher. Medical engineers are employed in research, engineering, production and fields of regulatory affairs, for quality control, as product manager and also as qualified advisors for technical sales. Graduates can apply their knowledge immediately.

**Profile**

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<th>Figures in per cent, based on ECTS-Credits</th>
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<td><strong>Project Work</strong></td>
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**Focus of Studies**

- Applied Mathematics, Statistics and Clinical Trials
- Medicine for Medical Engineers
- Advanced Medical Imaging and Diagnosis Systems
- Clinical Treatment Systems
- Elective Module Electronics, Biomechanics, Medical Device Software, Materials Technology
- Regulatory Affairs
- Medical Systems Engineering
- Projectwork and Master’s Thesis
- Students can participate in a number of R&D projects during the programme

**Practice and Research**

The Medical Engineering sector is very innovative. Research and Development carry high importance. Medical simulation systems, motion measurements and prosthetics, medical microscopy and biomedical life sciences are our research focuses. Research and its practical applications are promoted in the Master’s project and Master’s thesis.

**Study Abroad**

Students can participate in international activities (e.g. in Europa, USA or Asia). Projects abroad, conferences with international speakers or participation in internationals fairs – the possibilities are manifold.

**Did You Know that ...**

... Medical Engineering belongs to the most innovative technologies of the future? That it provides products which help to save other human beings and to improve the quality of their lives? The Medical Technology Cluster (MTC) allows us to have a direct link to businesses and healthcare institutions.

**CONTACT**

Head of Studies: Prof. Dr. Martin Zauner
Programme Administrator: Elisabeth Differenz, Julia Döberl
Phone: +43 5 0804 52100, Email: mme@fh-linz.at

www.fh-ooe.at/mme
WINTER IN AUSTRIA
Global Sales and Marketing
Full-time, 6 Semesters (180 ECTS)

Degree: Bachelor of Arts in Business (BA)
Internship: nine weeks in 6. semester or at home
Language of Instruction: English
Subsequent Master’s Degree Programme: Global Sales and Marketing

The globalisation of the world economy creates interesting challenges and opportunities to work in the export sector or go abroad and experience another culture for a few years. Austria’s export economy has succeeded in setting international standards in many fields, notably industrial plants, machinery and technical goods. These global operations generate a great demand for suitably qualified sales and marketing personnel. The Bachelor’s degree programme Global Sales and Marketing is designed to provide its students with all the skills they need to meet this demand and is held entirely in English.

Career Profile
Graduates of the Global Sales and Marketing Bachelor’s degree programme are qualified to work in a company of any size and in all sectors. A typical job description would be a management position in a foreign subsidiary of a European company; this might include the post of product manager, key account manager or marketing, export and sales manager.

Profile

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<th>Subject</th>
<th>Figures in per cent, based on ECTS-Credits</th>
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<td>Internships, Projects, Bachelor thesis</td>
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Focus of Studies
- Practical and application-oriented tuition in sales (management) for industrial customers
- B2B marketing to be able to sell products and services to companies world-wide
- Important qualifications in order to work in the export business & international trade
- Intercultural management to deal with cultural differences around the globe
- Technical basics that enable the students to work in a B2B environment
- Three foreign languages taught by native speakers
- Social skills needed for dealing with top customers and being successful in foreign countries

Study Abroad
During the compulsory SEMESTER ABROAD the students have the opportunity to study at one of our 100 partner universities (third semester). The entire degree programme of Global Sales and Marketing is taught in English and native speakers provide intensive language instruction in two further foreign languages and give insights into their background cultures.

Practice and Research
‘The only way to learn something is to do it’. Therefore the students complete an internship (abroad) and practical projects with our partners in the export industry. GSM cooperates intensively with globally active companies in the field of Sales Excellence, Industrial Service Excellence and Intercultural Management.

Did You Know that …
... Austria’s export rate is higher than 50%. This degree programme gives you important qualifications to work in the export business and international trade. Furthermore, the top 30% of our students can obtain a double-degree at one of our eight partner universities in Belgium, Canada, Colombia, Czech Republic, Finland, Georgia, Poland, and Russia.

CONTACT
Head of Studies: FH-Prof. DI Dr. Margarethe Überwimmer
Vice Head of Studies: FH-Prof. Mag. Robert Füreder
Programme Administrator: Verena Gerstmayr
Phone: +43 5 0804 33500, Email: gsm@fh-steyr.at
Global Sales and Marketing

Full-time/Part-time, 4 Semesters (120 ECTS)

Degree: Master of Arts in Business (MA)
Admission Requirements: completed bachelor’s or master’s degree in business administration or similar fields. For details see: www.fh-ooe.at/gsm-master
Mode of Study: full-time (Wednesday till Saturday) and part-time (Friday afternoon and Saturday) for both one week of intensive lectures per semester + field trip
Language of Instruction: English

The degree programme offers broad and profound knowledge – from sales to marketing, cross-cultural management and leadership and prepares students for their future tasks in international companies.

FH-Prof. DI Dr. Margarethe Überwimmer, Head of Studies

Austria’s export economy has succeeded in setting international standards in many fields, notably in industrial plants, machinery and technical goods. These global operations generate a high demand for suitably qualified sales and marketing personnel. The geographical focus of the degree programme is on emerging markets.

Career Profile

The Master’s degree programme Global Sales and Marketing equips the students to DEVELOP and MANAGE future sales, sales management and marketing activities for international companies. For such managers, it is essential to be aware of cross-cultural challenges created by the globalisation of the world economy. A typical job description would be a management position in a foreign subsidiary of a European company. This might include the position of Key account manager, marketing and sales manager and product manager. In addition, the course offers an excellent basis for entrepreneurs wishing to set up their own company.

Focus of Studies

» Sales and Sales Management: ability to conceptualize, evaluate, push forward and control strategic sales decisions.
» B2B Marketing: ability to develop and push forward strategic marketing concepts for investment goods including background challenges of a cross-cultural character.
» Cross-cultural Sales and Management: profound introduction to cultural differences and similarities around the globe in order to be able to react in a professional way when faced with challenges of this kind.
» Practical Skills: we connect the complex structure of the scientific background needed with the immediate application in real industrial life, especially in emerging markets.
» Management/Leadership Skills: a special module with the chance to develop good insights into management and leadership challenges of an international job profile.

Study Abroad

All students have the opportunity to study at one of our partner universities during the second semester (compulsory for full time students!) – several double degrees are available in the USA, Czech Republic, Russia, Columbia, China, Australia. A field trip provides further profound cross-cultural insights. The entire degree programme is taught in English and students are free to choose their second foreign language.

Practice and Research

On the basis of current insights from research and teaching our students acquire sound sales and practical expertise. Over 200 domestic and foreign enterprises regularly use and successfully co-operate with the Master’s degree programme.

Did You Know that ...

... GSM means studying in an international environment (students and professors) and collaborating with international companies and universities?

CONTACT

Head of Studies: FH-Prof. DI Dr. Margarethe Überwimmer
Vice Head of Studies: FH-Prof. Mag. Robert Füreder
Programme Administrator: Doris Ernecker-Wagner
Phone: +43 0 50804 33600, Email: gsm-master@fh-steyr.at

* Further information: www.fh-ooe.at/gsm
Electrical Engineering
Full-time, 6 Semesters (180 ECTS)

Degree: Bachelor of Science in Engineering (BSc)
Internship: (International) internship for 10 weeks
Subsequent Master’s Degree Programme: Electrical Engineering

One of the leading trends today is the shift towards environmentally friendly electrical energy supply. This degree programme is focused on the design, operation and production of devices for modern electrical power supply, distribution and transport, as well as power conversion. This covers components for smart grids, renewable energy utilisation, and electric cars. The aim of the Electrical Engineering degree programme is to provide graduates with the skills and know-how required to be able to meet the demands of international electrical engineering in future. Our degree programme is highly practical and includes an internship, in addition to the possibility of an exchange semester with one of our worldwide partner universities.

Career Profile
The future tasks of our graduates cover the development, manufacturing, maintenance, operation and technical support of devices for electrical energy systems, as well as technical consulting. They will also find themselves in the planning and discovery of new and modern energy supply concepts.

Profile

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<th>Component</th>
<th>Figures in %, based on ECTS-Credits</th>
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<td>Natural Sciences</td>
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<tr>
<td>Languages</td>
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</table>

Focus of Studies
- Fundamentals of electrical engineering and mechanical engineering
- Electrical apparatuses, machines and drives
- Electrical systems for energy transport and distribution
- Modern electrical systems, including Smart Grid technology
- High voltage engineering
- Power electronics and electrical drives, e.g. for electrical mobility
- Control engineering
- Business and accounting
- Project management, social skills and foreign languages

Practice and Research
In addition to the practice-orientated education, R&D plays an important role in this degree programme. A number of students are currently involved in R&D projects, either in form of student projects or as research assistants. Electrical storage systems, PV systems, e-mobility, power electronics, high voltage and high current engineering, switching devices and lightning protection are a few examples of the areas of principle interest.

Study Abroad
It is the goal of the degree programme that students become a part of a lifelong network of experts. International partners located all over the world guarantee that talks are held by international lecturers and experts, the possibility of international internships and exchange semesters.

Did You Know that …

... Electrical Energy is THE backbone of a modern society? No other form of energy plays such an important role? With the development of more and more efficient electrical energy supplies, engineers are in high demand. Our graduates are positioned to become members of a network of experts tasked with creating the future of electrical energy supply.

CONTACT
Head of Studies: FH-Prof. DI Dr. Peter Zeller
Programme Administrator: Mag. Daniela Hochstöger
Phone: +43 5 0804 43075, Email: sekretariat.ee@fh-wels.at
Automotive Mechatronics and Management

Full-time, 4 Semesters (120 ECTS)

Degree: Master of Science in Engineering (MSc)
Admission Requirements: Completed Bachelor’s degree (180 ECTS or equivalent) in Electromechanical Engineering, Mechanical Engineering or related subject areas and solid English language skills

Focus of Studies

- Vehicle Engineering: vehicle components, drive concepts, road performance
- Vehicle Mechatronics: sensors, actuators, signal preparation, system architecture
- Vehicle Systems: regulation-, safety- and support systems
- Vehicle Informatics: communication structure, Car2X communication
- Quality Management: quality planning, quality assurance, quality management systems
- Business Economics & Management: innovation, market-oriented management, IPR: Intellectual Property Right, management, controlling, production economics
- Social Competence: intercultural-, moderation-, leadership competence

Did You Know that …

... Mechatronics and vehicle manufacturing are strongpoints of the Upper Austrian economy? This is why the need for highly-qualified graduates in these fields will continue to grow in the future and leading companies in the automotive industry are working closely with this degree programme.

Practice and Research

The practice-orientation of this degree programme is guaranteed by close cooperation with companies in the automotive industry. Further, many of the professors and lecturers work in the automotive industry or closely with it. Within the framework of the practical and Master’s projects students work on current projects of the industry.

Study Abroad

This degree programme is taught in English and the target group is a mixture of Austrian and international students. It is therefore inherently international. For all those who wish to gain further international experience, however, there is the possibility to spend the fourth semester at one of our 100 international partner universities.

Contact

Head of Studies: Prof. Mag. Dr. Kurt Gaubinger
Programme Administrator: Martina Dietachmair
Phone: +43 5 0804 43053, Email: sekretariat.amm@fh-wels.at
Electrical Engineering

Full-time, 4 Semesters (120 ECTS)

Degree: Master of Science in Engineering (MSc)
Admission Requirements: Completed Bachelor’s degree (180 ECTS or equivalent) in Electrical Engineering
Language of Instruction: English

New technologies such as electrical cars or renewable and ecological power supply systems require fundamental research in electrical (energy) engineering. DC grids (used in batteries, hydrogen systems), electrical cars, and power electronics are the latest technologies aiming to provide a green and environmentally friendly energy supply. In a nutshell, this programme will educate the pioneers needed to make the electrical energy supply future-proof. They will be pioneering the future!

Focus of Studies

» Advanced mathematics for scientific workplace
» Numeric simulation of electrical fields and multi-physic systems
» Advanced skills in control engineering, power electronics, high voltage engineering, IT systems for energy supply
» Materials for electrical engineering
» Language
» Problem solution competence in the field of electrical engineering

Career Profile

Strong focus on internationalisation, so graduates will be well-prepared for an international environment (international study colleagues). Their area of expertise will include research and development, technical support of marketing and sales, consulting and services, maintenance and operation, project management. As a result of the programme’s strong focus on science and research and an intensive final project in semester four, an optimal preparation for a successive PhD programme will be achieved.

Practice and Research

Towards the end of the programme, there is an intensive project (925 working hours) conducted together with an (international) industry or research partner. It provides the basis for the Master’s thesis and guarantees the direct application of the acquired electrical engineering knowledge.

International Environment

Modern electrical engineering has to be supported by experienced international experts. The programme is 100% international with international students and organised and taught in English. The project can be done abroad. An exchange semester is possible.

Did You Know that ...

... most of the great innovations in the world have been the result of international teams composed of experienced scientists working in an international, open-minded environment? Excellent knowledge of the basics shared in an international team has always been the motor of innovation and new solutions – thus, the international study programme Electrical Engineering is designed first to empower people, then to literally power the world ...

CONTACT

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Programme Administrator: Mag. Daniela Hochstöger
Phone: +43 5 0804 43075, Email: sekretariat.ee@fh-wels.at

www.fh-ooe.at/ee-ma
Innovation and Product Management
Full-time, 4 Semesters (120 ECTS)

Degree: Master of Science in Engineering (MSc)
Admission Requirements: Completed Bachelor’s degree (180 ECTS or equivalent) in engineering or management

Today, if a company wants to succeed internationally, it must be capable of innovation. This can only be achieved by treating innovation as a process. Holistic integration of marketing, design and technology, combined with strategic thinking is the only way to develop product and service innovations in a sustainable way. In an interdisciplinary training concept, the various aspects of integrated innovation and product management are taught. This degree programme provides a comprehensive education in Mechatronics, Innovation Management and Marketing, complemented by two specialisations, namely ‘Product Concept Design’ (PCD) and ‘Development Process Engineering’ (DPE).

Career Profile
Graduates are prepared for management positions in technical product development, innovation and design, product management and marketing in international technology companies. Being responsible for high-tech products and services they play a decisive role in the conception and market positioning of technical innovations and thus secure the long-term success of companies. Additionally they possess core competence in strategic R&D and innovation management. They develop sound marketing and design strategies to differentiate their products from those of competitors.

Profile

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<th>Figures in per cent, based on ECTS-Credits</th>
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Focus of Studies
- Strategic Innovation and Technology Management: Planning of innovation strategies; management and monitoring of innovation processes, especially at the front end.
- Trends for Innovation: special topics like sustainability, bionics and rapid prototyping to support innovations.
- Specialization ‘Product Concept Design’: Developing of products and design concepts; integration of all design-relevant factors in the innovation process.
- Specialization ‘Development Process Engineering’: sub-system of R&D management, which coordinates planning, managing and controlling.

Did You Know that …
... Innovation and Product Management was the first degree programme taught in English at Wels Campus? Internationalisation is supported through guest lectures by international experts from both, academia and industry. A close cooperation with local industry guarantees up-to-date of the contents and the employability of the graduates.

Contact
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International Environment
Innovation and Product Management is an international and interdisciplinary degree programme with students from more than 20 countries. Intercultural aspects and strategies in all disciplines are a cornerstone of the curriculum.

Practice and Research
From the beginning on students apply their knowledge in industry projects. In intercultural and interdisciplinary teams students work on real world problems for local and international firms. The final thesis will be written for and in a company.
**Sustainable Energy Systems**

Full-time, 4 Semesters (120 ECTS)

**Degree:** Master of Science in Engineering (MSc)

**Admission Requirements:** Completed Bachelor’s degree in Engineering or technical field; strong English language skills

Sustainability is the key to future development, especially when it comes to energy utilisation and consumption. As natural resources become more and more limited or can only be explored by complicated and expensive processes, the utilisation of energy in a sustainable way is becoming more important and lucrative. This degree programme combines an education in energy systems with respect to sustainable energy resources, energy efficiency, the continuous replacement of traditional energy systems by sustainable and energy efficient systems as well as the management of (international) energy-related projects. Special emphasis is placed on learning and working in multicultural teams.

**Career Profile**

There is a wide field of career prospects. These include the technical implementation of international projects e.g. the construction of large-scale PV or wind generators and (technical) project management regarding sustainability and energy efficiency for energy systems (in-service behaviour, optimising operations ...), energy efficiency procedures (especially for industrial production processes) or energy distribution (renewable energy, energy distribution including smart grids, energy storage). Possible jobs would be among other things: engineer for energy systems (design, construction, maintenance and retrofit), technical consultant, expert for project financing and management, technical adviser for banks and insurance companies.

**Profile**

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<th>Essentials of Engineering</th>
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**Focus of Studies**

- Interdisciplinary, technical programme with focus on: energy utilisation of sustainable energy resources, energy storage, energy distribution, energy efficiency and ecology, energy markets, energy management
- Business administration and intercultural management
- International project management and development
- International study groups
- English as language of tuition

**Practice and Research**

For our students we offer the possibility of a semester abroad at one of our many partner universities worldwide. Furthermore, we encourage our students to write their Master’s project in the 3. semester or their Master’s thesis in the 4. semester with a university or a company abroad.

**Study Abroad**

It is the goal of the degree programme that students will become part of a lifelong network of experts. International partners distributed all over the whole world guarantee the presence of international lecturers and experts, the possibility of international internships and exchange semesters.

**Did You Know that ...**

... solar energy is the largest energy resource in the world, even larger than fossil resources? Utilising wind means to cause very low environmental impact. Utilising energy efficiency potentials is the most effective way to save energy, protect the environment and become independent from other countries.

**CONTACT**

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www.fh-ooe.at/ses
WHAT OUR STUDENTS SAY...

“I have chosen to study at FH Wels because they offer interesting courses in my field of study. I wanted to improve my language skills (both English and German), and step out of my comfort zone. I love the beautiful mountainous scenery and the opportunity for skiing that Austria offers. It’s about pushing your limits and make some great memories. My study abroad has been awesome!”

Henrik Tønder Aabjerg Friis from Denmark (University of Southern Denmark)
1. Semester in Sustainable Energy System (MSc) at Wels Campus

“I wanted to improve my English and experience different life and learning styles. Austria has a strong historical and cultural heritage, and amazing scenery. I’m very happy to be friends with students from all over the world. I truly enjoyed the time here, only too short.”

Tianpeng Li from China (Shanghai Polytechnic University)
1. Semester in Software Engineering (BSc) at Hagenberg Campus

“I have chosen to study at the University of Applied Sciences Upper Austria because I wanted to get an experience of studying abroad in German. It was a very good experience for me. I studied many new courses, got acquainted with new teaching methods and looked at the beautiful country of Austria.”

Diana Pokazanyeva from Germany (HAW Hamburg)
5. Semester in Social Work (BA) at Linz Campus
Degree programmes taught in German are open for German-speaking-students (B2) as well as for graduates of our German Preparation Programme.

The following 29 Bachelor’s and 28 Master’s degree programmes are taught in German and are therefore presented in abbreviated form in this study guide.
Automotive Computing
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/ac

The next revolution is in the automotive industry and it is being driven by the convergence of connectivity, electrification and changing customer needs. Besides new engine and propulsion systems that make electric and hybrid vehicles possible, it is digitalisation that will ultimately change cars as well as road infrastructure. In-car assistant technology and inter-car communication can help make driving more secure, more efficient and less harmful to the environment. This new Bachelor’s degree focuses on the ICT-aspects of connected cars, thereby also taking in areas such as security, efficiency, communications and infotainment. Students acquire know-how in software technology, automotive engineering, the basic principles of technology and the natural sciences as well as personal skills. Topics for further specialisation include Modern Vehicles, Automated Driving and Services.

Communication and Knowledge Media
Degree: Bachelor of Arts in Social Sciences (BA) | www.fh-ooe.at/kwm

The Internet offers endless possibilities for communication, networking and collaboration – anywhere, anytime, whether for personal or professional purposes. The big challenge facing companies – as well as individual users – is choosing which of the huge range of technologies and platforms suits the user best. Our full-time, interdisciplinary degree programme focuses on the technical and communications imperatives for the most efficient exploitation of new media. Students will be equipped with the technical and creative skills, including knowledge of the social sciences, to act as experts on digital communications. Graduates are highly sought after in a wide range of areas, including corporate and online communications, web programming, user experience design, e-learning, organisational development and change management.

Hardware-Software-Design
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/hsd

What do smartphones, modern cars and robots have in common? They are ‘smart’ thanks to in-built computer technology that delivers functions once considered the stuff of sci-fi movies. Such smart computers depend on the perfect combination of dedicated software and hardware. This key symbiosis is the chief focus of our degree programme in Hardware-Software-Design. This full-time degree programme offers a thorough grounding in informatics, IT and electronics. Students will develop competence in the design and creation of embedded systems, software application and chip design.

Media Technology and Design
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/mtd

Exploiting the unlimited opportunities in the field of digital media requires mastery of creative design, smart content, and fluency with the latest technology. This unique, full-time degree programme provides you with the technical expertise as well as the design and communication skills to take on any challenge in your chosen area – be it on the web, in multimedia, 3D modelling, animation, computer games or audio & video production. You will acquire a solid grounding in the theory and practice of digital media. Hands-on experience with professional equipment will provide you with the technical and creative skills for implementing innovative and exciting media projects.

Medical and Bioinformatics
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/mbi

Information technology today covers all aspects of the best healthcare provision. It has a crucial role in identifying the causes of illness, developing new drugs, and improving medical interventions. Graduates of our full-time degree programme will be equipped to develop and deploy software that medical doctors and molecular biologists need to fulfill highly complex tasks. Expertise in informatics, data science, life sciences etc. is highly sought after worldwide, not only in the health sector, the pharmaceutical industry and molecular-biological research, but also across the IT sector. After their first year, students choose to specialise in either medical informatics or bioinformatics.

Mobile Computing
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/mc

Smartphones, tablets and apps are an integral part of our daily lives. They make countless routines easier and also more entertaining. Without mobile technology, companies like Facebook, Whatsapp, Instagram, Snapchat, Spotify or Netflix would not exist. But mobile networking and computing have not only revolutionised communications and entertainment. Professional services in the finance, automotive and health sectors also now depend on them. Our full-time Mobile Computing degree programme will enable you to play an active part in this revolution. Students will acquire in-depth knowledge of communications technology, informatics and application development for mobile devices. You’ll be equipped to devise innovative services and apps and professionally manage projects in the field.
Secure Information Systems
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/sib

The exchange of information, just like the volume of data and its accessibility anywhere, anytime, is matched by the exponential growth in the criminal use of modern technology. Experts qualified to meet the challenges of cybercrime, hacking and data theft are in increasing demand. This full-time degree programme will equip you to meet this demand, with its focus on full spectrum security protocols associated with the operation of computer systems and networks as well as mainstream data transfer, storage and archiving. Compulsory elective modules will give students the opportunity to further specialise in network, data and systems security.

Software Engineering
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/se

Software is at the heart of information technology (IT), and all applications – whether for mobile phones, PCs or even modern cars – depend on instructions based on specially written programmes. This Bachelor’s degree programme provides a thorough grounding in the theory and practice of sophisticated software development, including relevant tools, methodologies, and teamwork and networking skills. Graduates will be equipped to not only develop but also implement, evaluate and adapt software at the cutting edge of all areas of application. After their first year, full-time students can choose between two key areas in which to specialise: Business Software or Web Engineering. Part-time students specialise in Web Engineering.

Communication and Knowledge Media
Degree: Master of Arts in Social Sciences (MA) | www.fh-ooe.at/kwm-ma

Online media is now central to corporate communications strategies and life-long learning, and keeping abreast of Internet development is of crucial importance. Meeting the challenge of web technological innovation is essential for command of the global knowledge society, and demands not only intercultural competence but also expertise in knowledge management. Our full-time, interdisciplinary Master’s degree programme equips students with exactly that mix of skills, combining social sciences, media studies, web design and web programming. A wide range of elective modules allows for further specialisation in the following areas: communications, web, e-learning and/or leadership and human resources.

Data Science and Engineering
Degree: Master of Science in Engineering (MSc) | www.fh-ooe.at/dse

In 2017, the world was generating 2.7 billion gigabytes of data per day. And by 2020 forecasts say this figure could exceed 44 trillion gigabytes per year. This veritable flood of data harbours invaluable know-how that is just waiting to be accessed. Structuring the information, identifying patterns and applying the findings in a fast, efficient way is crucial for decision-making in a multitude of sectors ranging from biomedical research to finance and manufacturing. The curriculum of this Master’s degree focuses on various areas in data analytics and computer science, including statistical methods, machine learning, data mining and visualisation. Students also acquire expertise in their chosen pathway: biomedical data analytics or data analytics for marketing and production.

Digital Arts
Degree: Master of Arts in Arts and Design (MA) | www.fh-ooe.at/da

This full-time programme focusing on animation, audio/video and games builds on a student’s creative, design and technical skills. You will further expand your ability to perform innovative and professional work across the media production industry. Our degree programme seeks to build project management skills and to develop a systematic approach to conceptualising and leading media projects by focusing on practice-oriented project work modules that combine state-of-the-art theory and practice. Students can also choose from a broad range of in-depth modules for further specialisation.

Embedded Systems Design
Degree: Master of Science in Engineering (MSc) | www.fh-ooe.at/esd

Embedded systems are an integral part of many modern-day devices ranging from smartphones to cars and robots. Without them, there would be no smart homes and smart cities. Developing those complex, integrated computers requires a broad set of skills: expertise in the development of hardware and software, sensors, and systems networking. Our full-time, interdisciplinary Master’s degree programme in Embedded Systems Design covers all those aspects. Students choose two of the following three specialisation pathways: System-on-Chip Design, Embedded Computing (Embedded Systems, Cyber-Physical Systems), and Systems & Signals. They will also be able to develop teamworking, leadership and project management skills, and select from a wide range of elective modules for further specialisation.
Human-Centered Computing  
Degree: Master of Science in Engineering (MSc) | www.fh-ooe.at/hcc

IT systems of the future will need to instinctively respond to user needs and competencies. This cutting-edge, part-time degree programme gives graduates of information technology studies the chance to refine their skills in developing more accessible and user-friendly technologies. The interdisciplinary curriculum draws primarily on the humanities and IT, including areas such as interaction design, natural-user interface development, image processing, design thinking as well as prototyping. Graduates will learn problem-solving and full-spectrum consultancy skills that are key to the conceptualisation and deployment of practical applications in this dynamic field.

Information Engineering and Management  
Degree: Master of Science in Engineering (MSc) | www.fh-ooe.at/iem

The increasing complexity of information technology is making unceasing demands on data control and co-ordination. Planning, developing and implementing sophisticated systems to meet company targets is a serious challenge for IT managers. Access to data anywhere, anytime, common usage of information and user-friendliness are prime objectives. This requires experts with software development, business intelligence and analytical IT skills as well as know-how in management, law and team leadership. This part-time Master’s degree programme equips students with exactly these skills and is particularly suitable for people with a first degree in information technology, who are aiming to take up management positions in the IT business.

Information Security Management  
Degree: Master of Arts in Business (MA) | www.fh-ooe.at/ism

The ever-growing multiplication of diffuse data and IT systems pose serious security challenges which can only be addressed by a holistic approach to security management protocols. Likewise, applications in the area of social networks or cloud computing and 'always-on' technologies need to be increasingly taken into account when planning and implementing information and communications systems. This new, part-time Master’s degree will provide students with the expertise to deploy the interdisciplinary approach that is a key element in formulating and implementing effective management strategies to deal with the imperatives of international information security on a global scale.

Software Engineering  
Degree: Master of Science of Engineering (MSc) | www.fh-ooe.at/se-ma

Most devices that shape our everyday lives – from computers and smartphones to coffee-makers and jet planes – depend on a guiding software code. This full-time degree programme takes graduates in practical and applied informatics to the next level. You will expand expertise in developing, implementing and evaluating high-performance software to meet the demand for an ever-expanding range of applications. Creation of high-end software is akin to building a house: you need both the skills of a craftsperson and the inspiration of an architect. This symbiotic combination is what defines the software architect. Our Master’s degree programme will empower students to become exactly that.

Secure Information Systems  
Degree: Master of Science in Engineering (MSc) | www.fh-ooe.at/sim

Trust and security are the key components of the Information Society. Security experts with up-to-date know-how across IT, management and law are in great demand. Especially in view of the need for enhanced security as rapid technical advances pose greater threats to the safety of data transfer, storage, and archiving. Our full-time degree programme majors on in-depth study and specialisation across IT security. Topics include information management, digital identities, secure software engineering, network security, law and ethics. The main focus of this degree programme is on practical training as well as independent and systematic work with an emphasis on the development of communication skills.
SUMMER IN AUSTRIA
Medical Engineering
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/mt

Our degree programme in Medical Engineering provides students with a solid background in medical device and rehabilitation technology. Computer tomographers, prostheses or pacemakers – these common medical products and many others – require the type of technical interest which can be honed over the course of our degree programme and turned into applicable skills. Beside our focus on scientific engineering and mechatronics, our degree programme also introduces students to the relevant medical knowledge as well as to the process of approving medical products. An internship and a study project offer practical experience. It is possible to focus on specific interests by choosing from a range of electives. Our graduates are experts in medical engineering and work in a large variety of interesting professional areas.

Public Management
Degree: Bachelor of Arts in Business (BA) | www.fh-ooe.at/puma

Graduates of the Public Management Bachelor’s degree programme are qualified as management experts in the area of public services. The core of the studies is the acquisition of the in-depth economic and legal qualifications that are required for the effective and efficient provision of services in the public sector. The degree programme gives students comprehensive knowledge of institutional features, ways of doing things and decision-making processes as well as the specific working environments of the public and non-profit sectors. Emphasis is also put on building students’ soft skills.

Social Services Management
Degree: Bachelor of Arts in Business (BA) | www.fh-ooe.at/soma

Social Services Managers are specialists in the management of social- and healthcare services. The core of this degree programme with a Bachelor’s degree is the acquisition of thorough management competencies with emphasis on the requirements of the social economy. The economic, legal, and social framework of social services is an additional focus of the degree programme. Basic knowledge of the needs of the various target groups plays an important role: the elderly, the disabled, people needing psychosocial support, children, adolescents, or society’s marginalised groups. Emphasis is also put on building students’ soft skills.

Applied Technologies for Medical Diagnostics
Degree: Master of Science in Engineering (MSc) | www.fh-ooe.at/atmd

Applied Technologies for Medical Diagnostics (joint study program of University of Applied Sciences Upper Austria + University of Applied Sciences for Health Professions Upper Austria) covers a new professional area at the intersection of engineering, natural sciences and technology-oriented health professions, neatly filling the gap between development engineering and application of medical devices. It provides a theoretical knowledge base in Medical Diagnostics, which is essential to project work and product management in the heavily regulated area of medical products and in-vitro diagnostics. There is a technical focus on new methods of detection and products relevant to the innovative dimensions of digitalization, new materials and bio-signal analysis.

Healthcare, Social Services, and Public Management
Degree: Master of Arts in Business (MA) | www.fh-ooe.at/gsp

The degree programme provides personal competence in leadership and competencies in strategic decision-making and in the operational steering of enterprises. Innovative thinking and putting innovation into practice as well as the responsible use of an institution’s or an enterprise’s resources are also important focal points of the studies. These pivotal competencies that are common to all three Master’s degree programme will be complemented by specific expertise in the fields of healthcare management, social services management and public management.
**Social Work**

**Degree:** Master of Arts in Social Sciences (MA) | www.fh-ooe.at/mso

The degree programme offers scientific and vocational/professional training with a special focus on intercultural competence. This is especially important in connection with Austria’s demographics, which are strongly influenced by migration. Social workers encounter clients with migration background in all their fields of activity. Intercultural competence is, therefore, a cross-sectional type of competence and not solely an additional qualification relevant for employees in migration-specific service institutions.

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Accounting, Controlling and Financial Management
Degree: Bachelor of Arts in Business (BA) | www.fh-ooe.at/crf

Financial success has always been central to entrepreneurial activities. Yet never before has know-how in the field of finance been as decisive a success factor as it is today: identifying earnings potential, optimising cost structures, evaluating investments, analysing end results, obtaining tax benefits, developing strategies, compiling business plans, recognising financial risks or following developments on the stock exchange: graduates are at the focus of entrepreneurial decisions and have the financial situation firmly under control.

International Logistics Management
Degree: Bachelor of Arts in Business (BA) | www.fh-ooe.at/ilm

Design from Italy, raw materials from all over the world, manufacturing in Asia and customers in Europe and the USA. Logistics experts create and optimise the flow of materials and goods all over the globe. They are responsible for the stock in the warehouse, the availability of goods in the shop and for the utilisation of transport capacities. They therefore make an essential contribution to the success of an enterprise. The degree programme ‘International Logistics Management’ provides the necessary skills as well as the certainty of being successful in a dynamic environment on a long term basis. Logistics has a future and provides job security.

Marketing and Electronic Business
Degree: Bachelor of Arts in Business (BA) | www.fh-ooe.at/meb

The Internet is constantly confronting companies with new challenges. Consumer behaviour is changing, pressure from rising costs and increasing competition increase the use of the Internet in the B2B-sector. Companies have to react to these challenges. In order to do so they require comprehensively trained staff, with a combination of competencies in the Internet, marketing and management.
This degree programme offers an interdisciplinary training in economics, which is tailored to meet the challenges of the digital world.

Process Management and Business Intelligence
Degree: Bachelor of Arts in Business (BA) | www.fh-ooe.at/pmbi

Nowadays both multinational companies and small local enterprises are competing on a worldwide basis. In order to be successful it is important to anticipate the needs of customers fast, innovatively and in a convincing quality. Adequate business processes are essential prerequisites to meet these requirements on a long term basis. For this purpose, data and information have to be rethought in strategic and operational management. This means that data based decision-making takes the place of intuition and ‘gut feeling’ leading to measurably greater productivity and profits following the adaptation of business processes.

Production and Management
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/pmt

Today, both multinational concerns small domestic enterprises alike are competing internationally.
Being successful means anticipating customer wishes quickly, innovatively and in a convincing quality is a prerequisite of success. Adequate business processes are important prerequisites of also being able to meet these challenges in the long term.
To achieve this, data and information in the strategic and operative management of an enterprise need to be reconceptualised. This means that database decision processes are broadly replacing intuition and ‘gut feeling’ in day-to-day management, leading to measurable increases in productivity and profit via the adaptation of business processes.

Accounting, Controlling and Financial Management
Degree: Master of Arts in Business (MA) | www.fh-ooe.at/crf-master

Never before has financial know-how been such a decisive success factor. Finance managers are at the centre of business decision making. To do this responsibility justice, they need to not only have financial expertise but also strategic abilities, business knowledge and leadership qualities on an international level. This Master’s degree programme is the admission ticket to a career in the financial domain and/or to managerial posts with a high degree of financial responsibility.
Digital Business Management
Degree: Master of Science in Digital Business Management (MSc) | www.fh-ooe.at/dbm

Digital media and technologies have a strong influence on our business world and our society. They are changing competition in digital business and require new, innovative business models. Digital Business Management, the first Master’s degree programme offered by a university of applied sciences in cooperation with a traditional university looks at this dynamic competitive environment, influenced as it is by lasting digitalisation of business processes, new entrepreneurship, global markets, interculturality, the increasing importance of intra-channel marketing measures and interconnectedness.

Digital Transport and Logistics Management
Degree: Master of Science in Engineering (MSc) | www.fh-ooe.at/dtlm

The master program ‘Digital Transport and Logistics Management’ provides technical and economic competences for the design of innovative, digital and sustainable logistics solutions in the areas of transport, handling and warehousing and their organizational implementation. The qualification profile of graduates is based on an interdisciplinary expertise in complementary technical and economic subject areas and is enhanced by leadership, management, social and intercultural competencies.

Operations Management
Degree: Master of Science in Engineering (MSc) | www.fh-ooe.at/omt

In a dynamic, global economy, it is those enterprises that have an efficient and customer-oriented approach to production that are successful. This means they rely on executives, who develop the appropriate strategies, who plan and control production, optimise processes and carry out projects successfully with their team. The Master’s degree programme ‘Operations Management (OMT)’ provides students with a forward-looking management education for this purpose. Students acquire both leadership skills and expertise in the fields of production and ERP.

Supply Chain Management
Degree: Master of Arts in Business (MA) | www.fh-ooe.at/scm

In our internationally networked society and economy cooperation of partners throughout the value chain is of fundamental importance. This creates the challenge of cooperating in the form of enterprise networks. Supply Chain Management therefore becomes the indispensable backbone of the entire economy. This degree programme qualifies its graduates to organise their departments or a whole company according to new market conditions and demands, to find solutions of a new kind and thus make a significant contribution to the success of a company.
Agricultural Technology and Management

Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/agr

The agricultural sector is changing rapidly. Today’s students need the flexibility to adapt to the fast pace of the changing technologies and management approaches. New technologies hold the potential to make farming much more productive and profitable. The trend towards sustainable practices and the increasing societal interest in the origin of food products are causing far-reaching changes. Digital solutions, smartphones and satellite control enable us to use our resources efficiently. But… What innovations have the potential to change agricultural production systems? How do new management approaches help to optimize time and money? How do we prepare for future challenges while producing sustainable and top-quality food? These are just some of the many questions that will be covered in class.

Automation Engineering

Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/at

Automation Engineers develop, optimise and automate equipment. In other words, by means of sensors and special software they enable machines to perform intelligently. Automation Engineers can specialise in one of two areas, mechatronic-engineering and eco-engineering. Mechatronic engineers, for example, ensure cash machines dispense the right amount of banknotes or airbags open reliably in a crash. Eco-engineers develop environmentally-optimised solutions for production plants, electric vehicles or solar and wind power stations. Former students recently invented Austria's first pizza dispensing machine. They have also programmed a control system for the hybrid drive of the BRP CanAm Spyder and a guidance system for single-track railways.

Bio- and Environmental Technology

Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/but

The Bio- and Environmental Technology degree programme unites chemistry and biology with the engineering sciences of biotechnology and environmental technology. The combination of Biotechnology and Environmental Technology offers a unique possibility to study two future technologies simultaneously. Biotechnologists work on the engineering applications of biology. They produce medicines, biological fertilizers, biofuels and biogas. Biotechnology is very important in medicine for the regeneration of tissue, the treatment of infections or the diagnosis of illnesses. Environmental Technologists purify waste water or air, clean up contaminated sites and reduce current and future pollution in their planning of industrial plants.

Civil Engineering

Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/bi

Civil Engineers are experts on the subject of buildings, from planning to construction, renovation to demolition. Civil Engineers are in demand: they plan, design, perform specific calculations and coordinate as construction team leaders. In contrast to the architect, for whom functionality and design are in the foreground, the civil engineer learns to evaluate his ideas mathematically in the areas of safety, functionality and costs. Using construction measurements and knowledge of building automation, civil engineers optimise new and existing building stock.

Eco-Energy Engineering

Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/oet

Energy consumption is rising worldwide. Sustainability is the key in the future, especially when it’s a matter of the use and consumption of energy. This degree programme is all about the efficient and sustainable production, storage and use of energy (for electricity supply and heating). Photovoltaics, solar heat, hydro- and wind power, biomass and the improvement of the efficiency of industrial processes, production plants and buildings are the focus of the degree programme. Ecological, energy-efficient building, heating and cooling complete the fields of study.

Food Technology and Nutrition

Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/lte

In the degree programme Food Technology and Nutrition students learn the technologies of food production and the related required quality assurance. They learn about the many substances food consists of and their effects on health. The combination in this degree programme of food production and investigation, nutrition, law and quality management is unique.
Innovation Engineering and Management
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/ipm

New products don’t happen only by chance or flashes of genius. Innovation- and product managers must come up with ideas for products that customers want, evaluate them effectively and then turn them into reality – that’s the key to success! Creative people are needed who work at the interface of marketing, design and technology. Innovation- and product managers turn product ideas into successful cash-cows.

Lightweight Design and Composite Materials
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/lcw

In view of rising fuel and energy costs and the carbon dioxide problem, motor vehicles and aircrafts must reduce fuel consumption and move to e-mobility facing the challenge of heavy batteries. The rotor blades of wind turbines, various sports equipment such as tennis rackets, skis or Formula 1 cars (composite monocoque) must also become lighter but at the same time measure up to the highest safety standards. Lightweight design will be the major focus in industry in the future. Where a mass is moved, e.g. in robotics, lightweight design will play an important role in order to save energy and costs. There is a high need for graduates in this field in the industry.

Materials and Process Engineering
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/mkt

High-quality aircraft-, vehicle- or engine parts, hard-wearing sports equipment, long-lasting and perfectly-shaped consumer goods all beg the same question: Which materials or combinations of materials are the most suitable? How can such products be produced and their quality and characteristics reliably checked? These are the questions which students of this degree programme must answer. Because choosing the right material is essential for all products: the function, safety, design and longevity are all determined by them. In this practice-oriented and research-focused degree programme students put their knowledge of chemistry and physics into practice and develop metals, composites or plastics and their processing processes further.

Mechanical Engineering
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/mb

Mechanical Engineering is ubiquitous in our modern world. We move around in motor vehicles, trains and aircraft. The manufacture of all our utility goods is achieved by means of machines which are in turn designed, developed and optimised by mechanical engineers using the latest methods of calculation, CAD, materials science, thermodynamics and simulation for their creative work. Mechanical Engineering graduates are highly sought-after in industrialised Upper Austria.

Mechatronics and Business Management
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/mewi

International companies need more industrial engineers who can solve problems related to engineering and economics. This degree programme is aimed at people in work with the academic standard for university entrance. Suitable HTL graduates with several years of career experience can join the degree programme in semester 2. Large parts of the degree programme can be integrated with work.

Process Engineering and Production
Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/vtp

Process Engineering is the practical application of basic physical and chemical principles for the industrial production of solid, liquid and gaseous substances. Process Engineers work on the plants and processes. They are concerned with physical, chemical and biological steps – they crush, mix, modify, separate and purify raw materials – and thus create new products. They ensure that pills contain enough active ingredients or that the ingredients of yoghurt, lipstick, fuels or building materials are correctly mixed. Their knowledge and competence ensure that production processes are configured in an environmentally-friendly and energy-efficient way.
Product Design and Technical Communication

Degree: Bachelor of Science in Engineering (BSc) | www.fh-ooe.at/pdk

The work of graduates of this degree programme is to design new user-friendly technical products for a target group and to make complex facts easily comprehensible. Alongside a comprehensive education in technical communication students learn how to design mechatronic and software products and sound knowledge of the ergonomics and user-friendliness of technical products. This degree programme offers with its optimal mix of theory and practice both a fundamental education and a higher qualification in an interdisciplinary field.

Automation Engineering

Degree: Diplomingenieur/Diplomingenieurin (DI or Dipl.-Ing.) | www.fh-ooe.at/at_ma

The increased use of automation engineering is one of the reasons for the success of the Austrian economy. Success in the global market and the necessary level of quality and flexibility in production can only be guaranteed by continuous innovation and automation. Automation Engineering graduates can plan, produce and optimise machines, plant, processes, manufacturing and production systems as well as measuring- and regulation devices and systems.

Bio- and Environmental Technology

Degree: Master of Science in Engineering (MSc) | www.fh-ooe.at/but-ma

The Bio-and Environmental Technology Master’s degree programme offers students the opportunity to specialise in either biotechnology or environmental science. Central to this degree programme are environmental process engineering and biotechnology, plant planning and plant engineering with (bio-)analytics, the technology of food production and quality management. ‘Soft skills’ such as language skills, personality, academic and business economics competences enable a smooth transition into work. Independent of their chosen specialisation all graduates gain a common understanding of both of the core technologies our future depends on.

Civil Engineering

Degree: Diplomingenieur/Diplomingenieurin (DI or Dipl.-Ing.) | www.fh-ooe.at/bi-ma

The new Master’s degree in Civil Engineering offers a completely new university programme in the field of Civil Engineering with the focus on the construction of buildings. Alongside a comprehensive university-level education students also choose from two electives: Structural Engineering and Integral Planning and Construction, as well as three related specialisation blocks: Eco-Energy Engineering, Lightweight Construction and Composite Materials and Marketing Management and Modern Languages. Graduates can take up management careers and job prospects in Upper Austria are excellent.

Eco-Energy Engineering

Degree: Master of Science in Engineering (MSc) | www.fh-ooe.at/oet-ma

The Master’s degree programme Eco-Energy Engineering offers specialisation in the conversion, distribution and optimised, environmentally-friendly use of energy in industrial plants and buildings. The main areas of emphasis, solar technology and building optimisation, focus on the functionality, planning, construction and operation of plant and buildings. Learning is project-based, ensuring relevance to practice and the opportunity for students to determine their own additional areas of interest.

Food Technology and Nutrition

Degree: Master of Science in Engineering (MSc) | www.fh-ooe.at/lte-ma

Food Technology is an interdisciplinary technological career field with interwoven areas of knowledge. In the foreground are the new- and further development of technologies and products. Conservation of natural resources, process optimisation and efficiency of production are the driving forces in the food industry in order to be able to offer products at competitive prices and of simultaneous high quality.
Lightweight Design and Composite Materials  
**Degree:** Diplomingenieur/Diplomingenieurin (DI or Dipl.-Ing.) | [www.fh-ooe.at/lcw-ma](http://www.fh-ooe.at/lcw-ma)

Innovative lightweight components and the industrial processing of composite materials are decisive competitive factors for production companies in Austria. The Master’s degree programme Lightweight Construction and Composite Materials fulfils the needs of the booming Upper Austrian industry in this area in cooperation with a multitude of local, national and international industrial and research partners. Lightweight construction expertise is in demand in all relevant areas of research into production development, process engineering, technical project management and industrialisation.

Materials and Process Engineering  
**Degree:** Diplomingenieur/Diplomingenieurin (DI or Dipl.-Ing.) | [www.fh-ooe.at/mkt-ma](http://www.fh-ooe.at/mkt-ma)

The economical, ecological and targeted use of materials and their efficient processing represent an essential competitive factor for industry. In view of the increasing quality requirements in production and in the use of new materials, more and more experts are required who are familiar with the specific requirements in processing and using these materials. The required quality of many products can only be achieved with appropriate processing technologies and their specific effects on the characteristics of materials. There is no comparable FH degree programme.

Mechanical Engineering  
**Degree:** Diplomingenieur in Mechanical Engineering (Dipl.-Ing.) | [www.fh-ooe.at/mb-ma](http://www.fh-ooe.at/mb-ma)

Mechanical Engineering is a well-established degree programme with many modern trends like simulation, lightweight construction, bionics to name only a few. The development of simultaneously ever lighter but stronger components in motor vehicles, aircraft or satellites, as well as in the manufacturing or plant construction industries, requires the use of sophisticated, innovative methods of calculation, simulation and analysis. The benefits achieved for society and the economy form the sustainable basis of our highly-engineered world.

Mechatronics and Business Management  
**Degree:** Master of Science in Engineering (MSc) | [www.fh-ooe.at/mewi-ma](http://www.fh-ooe.at/mewi-ma)

Work in companies of the mechatronics industry has changed enormously because of the increasingly dynamic and complex business environment. The need for industrial engineers with interdisciplinary skills is growing continuously. This degree programme aims to meet this need by offering a higher qualification in selected fields of Mechatronics and Business Economics and also development and management competence.

Plant Construction  
**Degree:** Master of Science in Engineering (MSc) | [www.fh-ooe.at/ab](http://www.fh-ooe.at/ab)

In Upper Austria there are many internationally-successful plant construction companies. Plant constructors, as project managers on plant construction projects, conclude the plant purchase contract under consideration of the framework conditions (costs, deadlines, performance guarantee). They are the interface to the customer or the supplier and coordinate the participating specialist departments and sub-contractors, such as process engineering, design, automation, construction, assembly, accounting or the legal department. Plant constructors work mostly internationally and need excellent English and leadership skills.

Robotic Systems Engineering  
**Degree:** Diplomingenieur/Diplomingenieurin (DI or Dipl.-Ing.) | [www.fh-ooe.at/rse](http://www.fh-ooe.at/rse)

Robotic systems are increasingly developing into a key technology for the industry of the future. This influences all areas of society, but particularly workplace and production conditions. The new Master’s degree programme ‘Robotic Systems Engineering’ provides optimal higher qualification in this field of study. This degree programme enables thorough academic training in the field of the latest software algorithms and technologies used in the implementation of complex automation tasks with robots. Graduates are capable of developing holistic engineering approaches, which enable digital support for the development and operation of robotic systems from the concept to the final product.
Still missing pre-requisites to study?

The German Preparation Programme (GPP) and the International Foundation Programme (IFP) offer a focused and tailored preparation to study at the FH Upper Austria.
GERMAN PREPARATION PROGRAMME

Full-time, 3 Semesters

Degree: ÖSD German Certificate C1 (state-approved examination)

Subsequent Degree Programmes: Any Bachelor’s or Master’s degree programme

Tuition Fee: EUR 3,600 for three semesters (plus accommodation and living costs)

This programme has been designed for applicants who do not yet have the necessary German language skills to apply for one of the German-taught degree programmes at the FH Upper Austria. Graduates of this programme have earned the ‘C1 German’ qualification according to the Common European Framework of References for Languages which is required to apply for all German taught degree programmes offered by the FH Upper Austria.

Admission Requirements

» ‘A’-Level/High School Diploma (or equivalent)
» A2 German language certificate
» Basic Knowledge of English language

Essential information

Language of instructions: German
Place of studies: Wels Campus
Beginn of studies: February 2019
Application deadline: EU/EEA citizens: 31 January
Citizens from non-EU/EEA countries: 31 October

CONTACT

Head of Studies: Dr. Stefan Sunzenauer
Email: german-preparation-programme@fh-ooe.at
Web: www.fh-ooe.at/gpp

INTERNATIONAL FOUNDATION PROGRAMME

Full-time, 2 Semesters

Subsequent Degree Programmes: Electrical Engineering BSc, Global Sales and Marketing BA

Tuition Fee: EUR 3,600 for two semesters (plus accommodation and living costs)

In order to make access to studies possible for applicants with missing prerequisites, the FH Upper Austria offers a Foundation Programme for selected study programmes in Engineering and Business. Applicants who lack entrance requirements can acquire the necessary additional qualifications. The main target group are students who wish to study the English-taught Bachelor’s programmes in Electrical Engineering or Global Sales and Marketing.

Admission Requirements

» ‘A’-Level/High School Diploma (or equivalent)
  (If the Austrian Higher Education Entrance Qualification is not yet met, the required level can be acquired within the International Foundation Programme. In general, A-level is required, but in some cases excellent performance in AS-level and GCSE-level courses might qualify as well.)
» good English language skills
  (will be checked during interview; no IELTS/TOEFL required)

Essential information

Language of instructions: English
Place of studies: Wels Campus
Application deadline: EU/EEA citizens: 31 August
Citizens from non-EU/EEA countries: 30 April

CONTACT

Head of Studies: Dr. Stefan Sunzenauer
Email: foundation-programme@fh-ooe.at
Web: www.fh-ooe.at/ifp
WHEN WILL WE BE SEEING YOU?