

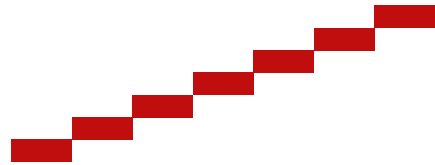
ALL ABOUT YOUR INTERNATIONAL STUDIES FUTURE

STUDY GUIDE 2022



UNIVERSITY
OF APPLIED SCIENCES
UPPER AUSTRIA

**HELLO
TO YOUR
FUTURE.**



Studying at the FH Upper Austria means practice-oriented collaboration on concrete projects from business, industry, medicine and social issues. Develop the cars of the future, improve food quality, market global products or take up the fight against cybercrime! No matter how you want to develop, with one of our Bachelor's and Master's degree programmes you are taking the first step towards your future. Because here it's all about you.

Hagenberg, Linz, Steyr, Wels
All about your future!

**BEWARE OUR INDUSTRY PARTNERS.
YOU MIGHT WORK THERE ONE DAY.**





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INFORMATICS, COMMUNICATIONS AND MEDIA



Energy Informatics (ENI)	M FT		48
Interactive Media (IM)	M FT		50








MEDICAL ENGINEERING AND APPLIED SOCIAL SCIENCES

Medical Engineering (MME)	M FT 	52
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BUSINESS AND MANAGEMENT

Global Sales and Marketing (GSM)	B FT 	54
Global Sales and Marketing (GSM)	M PT FT 	56

ENGINEERING

Electrical Engineering (EE)	B FT 	58
Automotive Mechatronics and Management (AMM)	M FT 	60
Electrical Engineering (EE)	M FT 	62
Innovation and Product Management (IPM)	M FT 	64
Sustainable Energy Systems (SES)	M FT 	66

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

**99% OF OUR
GRADUATES
HAVE A JOB
IN THEIR
SPECIALIST FIELD.**



Dr. Gerald Reisinger

President University of Applied Sciences Upper Austria



EDUCATION AS A PATH TO PERSONAL SUCCESS

“Education is one of the most important resources we can provide for young people. A full time degree course (many are also available on a part-time basis) at the University of Applied Sciences Upper Austria leads to success through practical relevance, internationality and close links to applied research.”



A stylized, handwritten signature in black ink.

Mag. Thomas Stelzer

State Governor of Upper Austria

“Upper Austria is the No. 1 economic province in the Republic. This top position is due to our excellently trained specialists - many of whom are graduates of a practice-oriented degree programme at the Upper Austrian University of Applied Sciences which focuses on key issues of the future.”



A stylized, handwritten signature in black ink.

Markus Achleitner

Minister of Economy and Research

Grias di,
I'm Leopold!



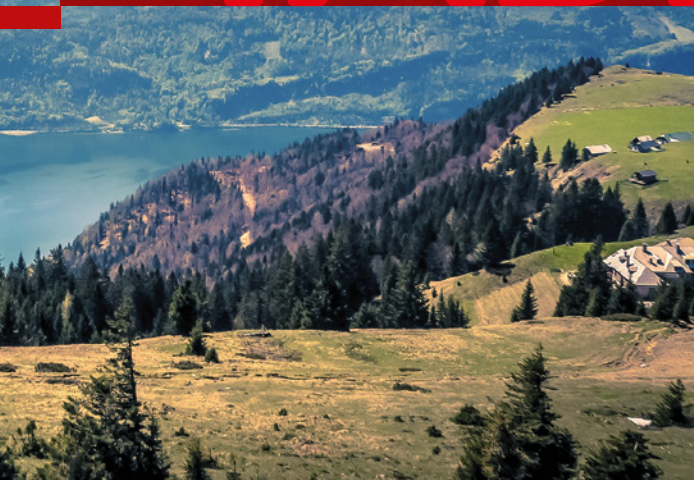
NATURAL
STUDYING

#LeopoldAroundTheWorld
#IAmFromFHUpperAustria



HOSPITALITY

**AT A PLACE
TO STAY**



**WELCOME
TO AUSTRIA**

STUDY IN THE HEART OF EUROPE

Austria has a population of 8.9 million (2020) citizens and a total area of around 84,000 square kilometers. The official language is German (minority languages: BKS, Turkish, Slovene, Hungarian, Czech, Roman). Austria is member of the European Union and has one of the highest standards of living, a low crime rate and stable democratical political system. The largest cities are Vienna, Graz, Linz, Salzburg and Innsbruck.

IN SUMMER

No other country combines culture, culinary, curiosity and chilled-out-mood as crazily as Austria. That is why your mind will be able to grow here – without missing the fun part.





IN WINTER

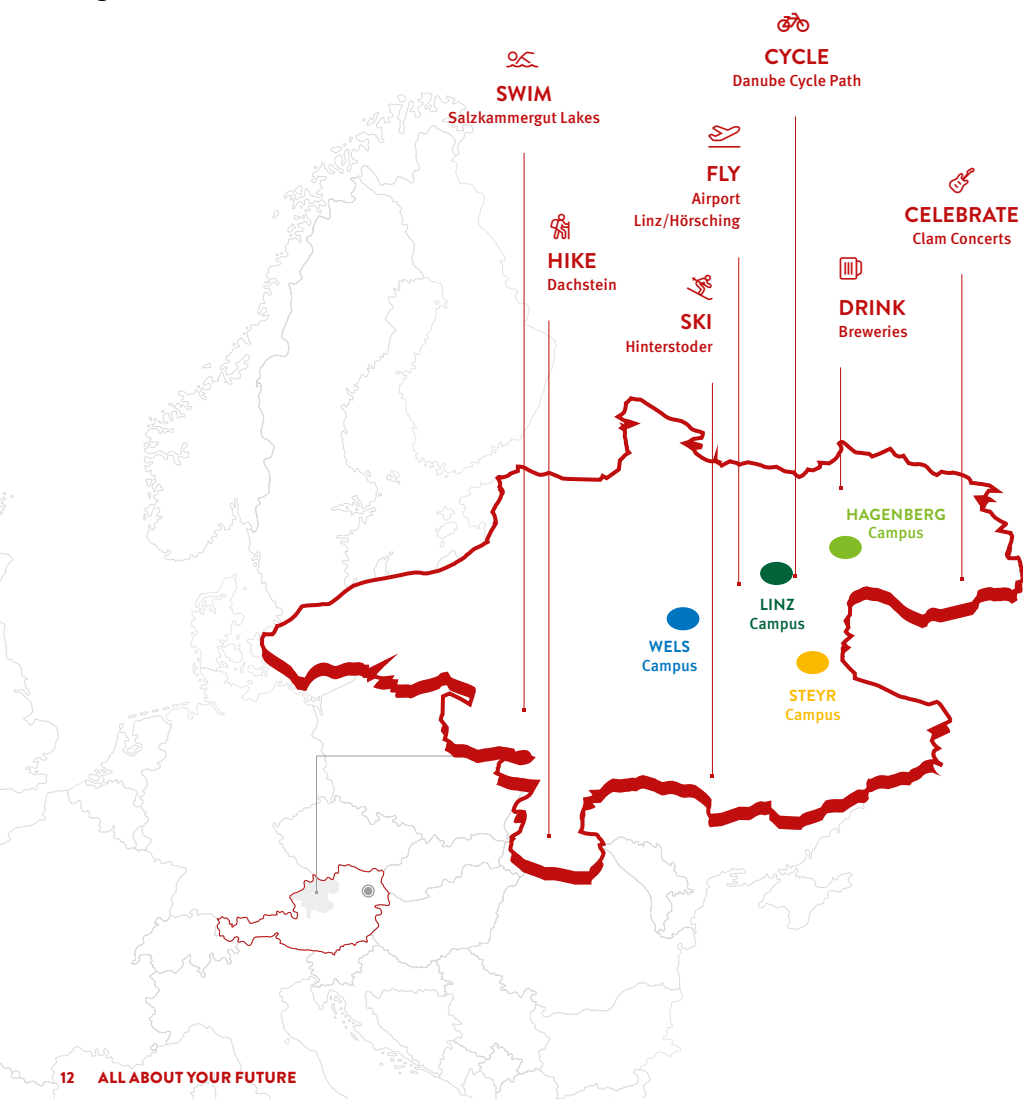


**AND
IN BETWEEN**



UPPER AUSTRIA HAS IT ALL

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.





Cycling along the river Danube on dedicated tracks is an amazing experience for everyone.

www.donau-oesterreich.at/donauradweg



Immerse yourself in the crystal clear water of Upper Austria's many beautiful lakes.

www.salzkammergut.at



Scenic hiking trails take you to breathtaking vistas in Upper Austria's great outdoors.

www.oberoesterreich.at/wandern.html



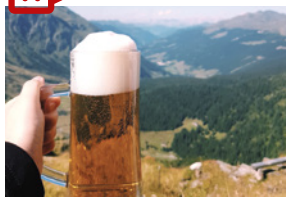
Enjoy the Austrians' favourite winter sport in Upper Austria's numerous skiing regions.

www.hiwu.at



Linz Airport is your gateway to the world, with direct flights to many destinations in Europe.

www.linz-airport.com



Upper Austria is well known as a beer country with 45 company breweries and 17 craft breweries.

www.bierland-oesterreich.at



Clam Castle is the spectacular concert location for renowned artists from all over the world.

www.clamlive.at

See you
out there!

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 70 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
- 6,000 students – 23,200 alumni
- 70 degree programmes
(32 Bachelor's degree programmes – 38 Master's degree programmes)
thereof 10 are taught entirely in English plus more than 300 modules taught in English
- 540 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.

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.

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.

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 20.27 million euros in 2020, 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 250 partner universities in about 60 countries. In addition to the 10 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.

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 University of Applied Sciences 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.

CAMPUS OFFERS



STUDENT LIFE

From a crazy boat race to a cell phone throwing contest, from a student party to a solar car challenge – the University of Applied Sciences Upper Austria and its students plan entertaining events that make campus life more lively.



SUPPORTING COMPANY START-UPS

The Transfer Centre for Company Start-ups is a unique service centre for potential business founders from the University of Applied Sciences 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 University of Applied Sciences Upper Austria.

www.fh-ooe.at/start-up-spirit



LIBRARIES

At the four schools, libraries offer numerous books, databases and electronic journals on the respective topics: 125,000 print media, 30,000 e-books from the publishers Springer, Hanser, utb, Wiley. 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.



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.

<https://sportsteam.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 University of Applied Sciences Upper Austria sends a delegate to the national ÖH.

<https://oeh.fh-ooe.at>



ALUMNI CLUB

From your first day at the FH Upper Austria on, you may join our Alumni Club. This institution not only makes sure that you stay in touch with your fellow students, lecturers and other alumni: It also provides you with a huge variety of networking events, further education offers, career services as well as other deals and benefits that aim at boosting your career and/or foster recreation.

<https://alumni.fh-ooe.at>



INNOVATIVE INFORMATICS



fh-ooe.at/campus-hagenberg

COMMUNICATIONS & MEDIA



**STUDYING AT
HAGENBERG CAMPUS**

WELCOME TO AUSTRIA'S SILICON VALLEY.

9 Bachelor's degree programmes

12 Master's degree programmes

260 Professors

1,600 Students

6,800 Alumni

Hagenberg is among Austria's leading pioneers in practice-oriented teaching and applied research 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 21 Bachelor's and Master's 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.

WORK AND STUDY, ALL ON YOUR DOORSTEP

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.

Our Campus is an integral part of this successful technology park founded in 1989, which today hosts more than 75 companies, including several start-ups. The Softwarepark is also home to 11 research institutes, including our fourth Josef Ressel Center. More than 1,400 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. You can study for a Master's or PhD at a Hagenberg-based institute of Johannes Kepler University Linz (JKU), or on the University of Applied Sciences 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.

Research activities at our faculty focus on cutting-edge topics: Information and Communications Technology (Prescriptive Analytics, Human Computer Interaction, IT-Security), Smart Production, Medical Engineering, Automotive/Mobility, Energy as well as Societal and Social Innovation. In these specialist areas our 14 research groups are working on innovative solutions for the digital future.

MODERN CAMPUS UNIVERSITY

Our Hagenberg complex of 12,000 square metres offers plenty of space for study and research. The campus has over 60 computer labs, 19 seminar rooms and nine lecture halls with state-of-the-art equipment, a bio lab, a MakerLab, an audio and a greenbox studio. We also have 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 a one and a half hours' drive.

The ÖH Students Union represents the student body and organises 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 140+ IT and media companies, various start-up events, along with our Security Forum, Game Jam, Mixed Reality Day and showcase exhibitions as well as screenings all provide excellent networking opportunities.

INTERNATIONAL

Our 150 partner universities in 50 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 fair or summer schools and workshops, too, you can meet and exchange ideas with people from other nations.



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[instagram.com/fhooe_hagenberg](https://www.instagram.com/fhooe_hagenberg)



[facebook.com/fhghb](https://www.facebook.com/fhghb)



[linkedin.com/school/hagenberg-campus-fhooe](https://www.linkedin.com/school/hagenberg-campus-fhooe)



twitter.com/fhghb



VISIONARY

MEDICAL ENGINEERING



fh-ooe.at/campus-linz


APPLIED SOCIAL SCIENCES



**STUDYING AT
LINZ CAMPUS**

WELCOME TO LINZ – EQUALLY STRONG IN BUSINESS AS IN QUALITY OF LIFE

3 Bachelor's degree programmes
4 Master's degree programmes
240 Professors
800 Students
3,000 Alumni



Since 2001, the Linz Faculty of the University of Applied Sciences Upper Austria has focused on the human being as the centre 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. 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.

LIVING IN LINZ

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 characterised 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.

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.

SPORTS AND CULTURE

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 University of Applied Sciences Upper Austria, which offer a large range of fitness activities, especially of the indoor variety.

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 theatres 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 120 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 University of Applied Sciences Upper Austria School of Medical Engineering and Applied Social Sciences in Linz. Choose from 4 Bachelor's and 4 Master's degree programmes. Approximately 280 professors and lecturers are currently teaching roughly 800 students and passing on practice-oriented knowledge. Almost 2,800 graduates have already laid the foundation for their careers right here.



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DIGITAL BUSINESS



fh-ooe.at/campus-steyr

STRATEGIC MANAGEMENT



**STUDYING AT
STEYR CAMPUS**

WELCOME TO ALL DIGITAL TRENDSETTERS.

6 Bachelor's degree programmes

7 Master's degree programmes

280 Professors

1,400 Students

5,700 Alumni

Whether in creating brand images or production processes, developing new management tools or digitalized transport networks or getting a step ahead of the competition with big data, since 1995 Steyr Campus has been offering international, innovative bachelor's and master's degree programmes for all those who want to embark on careers as managers and shape tomorrow's digital world. There are currently 13 such programmes with their focus on the fields of Controlling and Finance, Marketing and Sales, Smart Production, Logistics, Processmanagement and Business Intelligence, Digital Business – and brand new – Agricultural Management. More than 100 lecturers and research associates teach and research in the degree programmes and research groups that have received top rankings internationally.

The three campus buildings in Steyr are not only eye-catching architecturally, and located directly by the waterside, but also offer state-of-the-art equipment and laboratories. The new Campus building, FH III, which opened in autumn 2019, now provides even more space for study and research. In addition to the new library, highlights include the new Eye-Tracking Laboratory, where, for example, evaluations are carried out, the Smart Factory Lab for testing mixed reality assistance systems or the Business Interaction Laboratory. In total, students, lecturers and researchers therefore have over 13,300 m² (net useable area) of space at their disposal. The modern campus is located just a few minutes' walk from the historic city centre and the railway station.

NEW MANAGERS NEED DIGITAL FITNESS

Economic know-how and specialist expertise augmented by social competence and knowledge of foreign languages form the basis of every good business studies degree programme. At the School of Business and Management in Steyr, training goes way beyond that. Digital contents and digital leadership are an integral part of the syllabus in every degree programme. That is important because there is no aspect of business nowadays that is not strongly influenced by digital innovations. Only by being in a position to recognize new trends, choose the right tools and use them correctly can you be successful as a manager. And it is precisely this essential qualification that all graduates of Steyr Campus obtain.

STUDYING AND LIVING IN STEYR

Steyr offers everything you could wish for from student life. The modern campus in a fantastic location right by the water provides many sport opportunities (even a quick jump in the river), cool student events, exciting management talks and networking events with companies. Steyr is also the hub of Upper Austria's automobile industry. Well-known companies such as BMW, MAN, SKF, NKE and GFM have facilities here. Cooperation with many Upper Austrian and international companies means that it is not difficult for students to find an internship or a job during or after their studies. Just a few minutes' walk from the campus, there are three hostels and numerous rooms and studio apartments to let at affordable prices. More Information about the student accommodation and private housing offers can be found at: www.fh-ooe.at/campus-steyr/wohnen

SPORT AND LEISURE

The FH Sports Team offers many options such as climbing, yoga, soccer or rowing. The Steyr woods are an inviting place to relax or jog and the Kalkalpen National Park, just 30 minutes away, is a real Eldorado for hikers and mountain bikers alike. The old town centre boasts both a theatre and a cinema and plenty of places to party; at Students' Pub events or in the Röda culture centre, where concerts take place and the bar with its outdoor seating area invites you to relax.

A TRULY INTERNATIONAL STUDENT EXPERIENCE

Many of Steyr's students make use of our global network, graduate with international double-/triple-degrees, complete their studies entirely in English or gain experience during a semester abroad. The School of Business and Management is an international hub for first class education in management and offers all students the opportunity to spend a semester abroad at one of around 150 partner universities in around 50 countries worldwide. The aim is to strengthen their intercultural competence and foreign language skills. A buddy network supports both regular and exchange students. Campus events like the International Week with the Cross-Cultural Business Conference and the International Fair provide exciting opportunities for knowledge transfer, cultural exchange with other nations and give the campus an international flair.



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[linkedin.com/school/campus-steyr](https://www.linkedin.com/school/campus-steyr)



[facebook.com/fhooesteyr](https://www.facebook.com/fhooesteyr)



SUSTAIN ENGINEERING ABLE



fh-ooe.at/campus-wels



ENVIRONMENTAL SCIENCES



**STUDYING AT
WELS CAMPUS**

WELCOME TO WELS: FOCUS ON SUSTAINABILITY

14 Bachelor's degree programmes

15 Master's degree programmes

440 Professors

2,100 Students

6,500 Alumni

Sustainability is the key to our future. At Wels Campus 2,100 students are currently receiving the skills necessary to develop new technical solutions and products that will not only ensure economic success, but also keep one thing in mind, our common future.

The School of Engineering in Wels offers scientifically sound, internationally recognized and practice-oriented degree programmes in the fields of Engineering, Energy & Life and Economy. In addition to the high-quality education, close supervision and top job prospects, a smooth career start is one of the great advantages of studying in Wels. Many students write their theses on behalf of partner companies and are often offered paid positions during their studies in a variety of research projects.

The University of Applied Sciences Upper Austria in Wels has been in existence since 1993 and is one of the pioneers of its kind in Austria. Owing to its specialized fields of study, close partnerships with industry and successful research endeavors, it has become one of the most renowned universities of applied sciences in Austria. With around 240 research associates and a very high proportion of third-party R&D funding in 6 different research areas, it is one of the strongest research universities in Europe.

MAKING WELS CAMPUS EVEN MORE ATTRACTIVE

Since last summer, much has been done to convert areas of the campus into feel-good zones for both students and staff. The inner courtyard of the main building has been greenified, a lounge area has been built on the roof terrace of the laboratory building, and the mensa has been renovated and expanded. In addition, the working and learning areas for students are also currently being redesigned, all of which makes studying, research and teaching even more enjoyable.

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 inter-

national 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. A housing service can be found at: <https://apartments.fh-ooe.at>

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 250 partner universities in more than 60 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.



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[instagram.com/fhooe_wels](https://www.instagram.com/fhooe_wels)



[facebook.com/fhooe.wels](https://www.facebook.com/fhooe.wels)

WHAT IS A DEGREE PROGRAMME

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 University of Applied Sciences 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 University of Applied Sciences Upper Austria are not confronted with long waiting lists. Practiceoriented 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 University of Applied Sciences 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.

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 University of Applied Sciences Upper Austria charges tuition fees for Bachelor's and Master's degree programmes as follows:

- EU/EEA citizens: 363,36 EUR per semester (plus Austrian Student Union fee).
- Citizens from non-EU/EEA countries: 726,72 EUR per semester (plus 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 €800 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

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

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 University of Applied Sciences 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 78, IELTS 6.0 certificate) must be presented. To further increase the excellent job prospects of our graduates, international students require German language skills (B2-Level) by the end of their studies.

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 STUDY

STEP 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

STEP 3: ADMISSION

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

STEP 2: APPLICATION

The application is possible for up to two study degree programmes, whereby the priorities one and two are to be indicated as a basis for the order of processing.

<https://application.fh-ooe.at>

STEP 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.

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

STEP 5: SEMESTER START

Studying begins with degree programme specific introductory and info events on campus life.

VISA ARRANGEMENTS

WHERE TO APPLY FOR A VISA

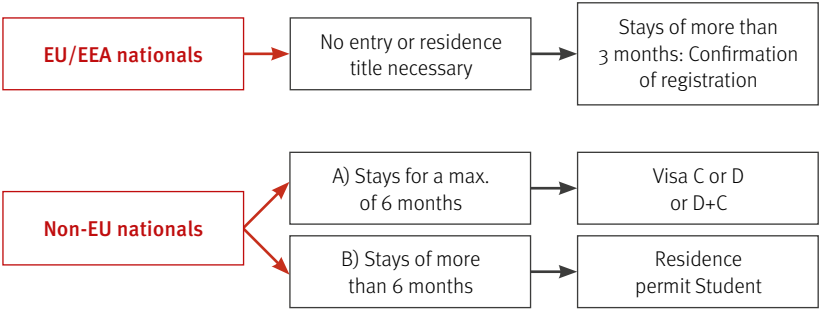
To find out where to apply for a visa in your home country go to:

www.bmeia.gv.at/en/embassies-consulates

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.studyinaustria.at/en/living/entry
www.oead.at/entry



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
- 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)

DEADLINES FOR APPLICATION

31 May for EU citizens

30 June for Non-EU citizens

This does not apply for Medical Engineering (Dipl.-Ing.).

Any applications for the academic year 2022/23, that reach us after the 30 June 2022, will be processed if places are available.

STUDYING INTERNATIONALLY

SEMESTER ABROAD AT PARTNER UNIVERSITIES

Semesters abroad can be completed at around 250 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

www.fh-ooe.at/international/outgoing-studierende/stipendien-foerderungen/ips



Europe: Belgium, Denmark, Croatia, Cyprus, Czech Republic, Estonia, Finland, France, Germany, Greece, Hungary, United Kingdom, Ireland, Iceland, Italy, Kosovo, Latvia, Lithuania, Macedonia, Malta, The Netherlands, Norway, Poland, Portugal, Romania, Sweden, Switzerland, Serbia, Slovakia, Slovenia, Spain, Turkey, Ukraine

Africa: Egypt, Zambia

Asia: Bangladesh, Cambodia, China, Georgia, Israel, Japan, Jordan, Kazakhstan, Lebanon, Malaysia, Philippines, Russia, Singapore, South Korea, Taiwan, Thailand, Vietnam

America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Ecuador, Mexico, Peru, United States of America, Uruguay,

Australia: Australia, New Zealand

fh-ooe.at/international

DOUBLE-DEGREE PROGRAMMES

In addition to a regular semester abroad, around 20 different double-degree programmes are offered by the University of Applied Sciences Upper Austria.

TRIPLE-DEGREE PROGRAMME

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 University of Applied Sciences 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.

INTERNATIONALISATION AT HOME

Over 500 exchange students from around the world complete their semester abroad at the University of Applied Sciences 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.

STUDYING IN ENGLISH

2 Bachelor's and 8 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.

INTERNATIONAL FOUNDATION PROGRAMME (IFP)



Full-time, 2 Semesters

Subsequent Degree Programmes: Electrical Engineering BSc, Global Sales and Marketing BA and any german taught programme (B2 German language level required)

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

In order to make access to studies possible for applicants with missing prerequisites, the University of Applied Sciences Upper Austria offers a preperation programme. Applicants who lack entrance requirements can thereby 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.

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

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)



Head of Studies:

Prof. DI Dr. Stefan Sunzenauer

Study programme administration:

Magdalena Gufler B.Ed.

Email: foundation-programme@fh-ooe.at

Web: www.fh-ooe.at/ifp

STUDENT AMBASSADORS & BUDDIES

Student ambassadors are international students' first contact person. Prospect degree seeking students who are interested in doing a Bachelor's or Master's degree at FH Upper Austria can contact them on an informal level via social networks or Email.

They will share their own experiences, answer all your questions regarding studies, application process, visa-arrangement or everyday life and even help you finding the right accommodation.

Once the students are enrolled and in Austria our buddies, who take also care of our exchange students, are also available for help.

On the next pages are some of our ambassadors voices!



Email: student-ambassador@fh-ooe.at

Web: www.fh-ooe.at/international/student-ambassador

AMBASSADORS VOICES



KAPIL RAJENDRA JADHAV

Nationality: INDIAN

Languages: English, German, Marathi, Hindi

Hello, I am Kapil from India. I have done my bachelor's degree in Electrical Engineering. During the period, I have always wanted know-how about renewable energies and sustainability. This made me to choose Master Degree "MSc in Sustainable Energy Systems." It is my first time to be in an international environment and I am learning new things besides studies. Cultural exchange is one of the key learning from this. It was quite up and down ride till coming here. Starting from the application process to the visa confirmation. I always want to help students who are making their first step towards the study abroad programmes. Please feel free to ask me.



OLGA KRAYNOVA

Nationality: RUSSIAN

Languages: Russian, English

Hello there! I am Olya from Russia. I am a Master student at FH Wels, studying Innovation and Product Management. I love getting to know people from different cultures. When I was in high school I got a chance to live in the United States for a year where I met wonderful folks from around the globe. Afterwards, being in international environment became like an addiction to me. I started to participate in variety of intercultural activities in school and in university, and later on even in my professional life. I went on exchange semester to Austria four years ago where I fell in love with this country. I want to show you why and hopefully you will like it too.



IRYNA ONUFRIIENKO

Nationality: UKRAINIAN

Languages: Russian, Ukrainian, English, German

I am making my last steps towards graduation from School of Management in Steyr. I have studied the a semester in the USA in the framework of my MBA Double-Degree Programme. It's been the 3rd year I am integrating into the Austrian culture. So, I know how important support is when one moves to a new country. And I am here to provide the newcomers and prospective students with help and pieces of advice throughout your application process and further preparation. I like travelling, meeting new people, cultures and stepping out of the comfort zone. I practice yoga and cook a lot (as most of the international students here). If you feel like becoming a part of the Austrian student community, don't hesitate to ask me any questions. I will be happy to help!



RARES IRIMIA

Nationality: ROMANIAN

Languages: Romanian, German, English

I am Rares, a citizen of the world, my native country is Romania and I am now located in Wels, Austria. I am currently enrolled as a bachelor student in the electrical engineering program at the Wels campus. The University of Applied Sciences of Upper Austria Wels offered me the unique opportunity of both studying in a very welcome and international environment and participating in extracurricular activities with people from all around the Globe. The study program helped me gain both theoretical knowledge and practical experience which I consider one of the best approaches for studying a field in-depth. I enjoy travelling, playing sports and getting to know people with different cultural backgrounds. I am more than happy to share my experience with people willing to join the university and I highly recommend it. If you have any questions about accommodation or the study program feel free to message me! Let's get in contact!



INTERNATIONAL PROGRAMMES



fh-ooe.at/international



INTERNATIONAL

IN ENGLISH

**FH UPPER
AUSTRIA**

ENERGY INFORMATICS



MSc

Full-time Online



Campus

HAGENBERG

100% Online



Degree: Master of Science in Engineering (MSc)

Duration: 4 Semesters (120 ECTS)

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

INTELLIGENT IT SOLUTIONS FOR SMART GRIDS, SMART CITY INFRASTRUCTURES, AND ENERGY SUPPLY SYSTEMS

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.

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

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

PRAXIS 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.).

INTERNATIONAL PROGRAMME

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 ...

... the energy sector is undergoing a massive transformation, and digitalization is playing a more than crucial role? It is a key element in the further evolution of smart cities and communities. And it will be the only way to meet the EU's greenhouse gas reduction targets of 80% by 2050.

Head of Studies:

Prof. Dr. Christoph Schaffer

Phone: +43 5 0804 22800

Email: eni@fh-hagenberg.at





Degree: Master of Science in Engineering (MSc)

Duration: 4 Semesters (120 ECTS)

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

EXPERTISE IN INTERACTIVE TECHNOLOGIES, COMPUTER GAMES AND ONLINE MEDIA

As digital technologies and media continue to permeate more aspects of our everyday lives, the need for intuitive and natural interfaces with integrated, intelligent functionality is becoming even greater. Our Interactive Media programme focuses on preparing graduates for challenging roles in the development of innovative technologies and the production of complex projects in the ever evolving media industry. The graduate programme features both a broad selection of specialised courses in the field of Interactive Media and a substantial project-based component that enables students to develop their own individual focus. In addition the programme seeks to hone students' communication and problem-solving skills.

Interactive Media technologies are in a constant state of flux. Our graduates meet the demands of these developments by designing and implementing new functionality and enhancing the overall user experience. The ultimate goal of our programme is to provide students with relevant design approaches and hands-on experience that will guide them in their development of new interactive systems.

Prof. DI Rimbart Rudisch-Sommer, Programme Coordinator

CAREER PROFILE

Graduates of Interactive Media have acquired both the conceptual and design skills necessary for developing innovative media projects and the technical expertise to contribute to their subsequent implementation. Their specific qualifications make them sought-after experts in a variety of fields, including game development, multimedia systems, cooperative workflow solutions, mobile applications, front-end and full-stack web development, content and document management systems, digital asset management and streaming media services. And frequently our graduates serve as catalysts for new digital strategies and technologies in other contexts, such as the automotive industry.

FOCUS OF STUDIES

- **Interactive Technologies:** Human-computer interaction, physical prototyping, UX design, computer vision, speech processing, collaborative work environments, MR
- **Computer Games:** Game development, game engine architecture, real-time graphics, physics simulation, AI, multiplayer/online games, audio processing
- **Online Media:** Web application architecture, semantic web applications, machine learning and web intelligence, natural-language processing and chatbots, distributed and networked systems, e-commerce
- A selection of **elective courses** can complete the focus.

PRAXIS AND RESEARCH

Project opportunities can be explored both in cooperation with leading industry partners or in one of our campus research groups. Our Media Interaction Lab (MIL) is one of Austria's leading research institutions in the field of human-computer interaction. Playful Interactive Environments (PIE) investigates new and natural forms of playful interaction for various contexts e.g. co-located games, multi-user interaction in Mixed Reality, hybrid reality & serious games and expanded animation. The focus of the Web Intelligence and Innovation (WIN) Lab lies in multimedia web applications, the analysis of media data using machine learning, and web-based visualizations.

STUDY ABROAD

Our international environment equips students with the language and intercultural skills necessary to succeed in the global media industry. A semester abroad can additionally be spent at one of our partner universities e.g. in Denmark, UK, Sweden, and Norway.

DID YOU KNOW THAT ...

... our PIE Lab develops games that motivate players to improve their nutrition, think more sustainably and exercise social courage? And that many of our graduates are working at leading technology companies such as Microsoft, Google and Dynatrace?

Head of Studies:

Prof. Mag. DI Dr. Andreas Stöckl

Academic Coordinator:

Prof. DI Rimbert Rudisch-Sommer

Programme Administrator:



Barbara Gotschi

Phone: +43 5 0804 22104

Email: im@fh-hagenberg.at



MEDICAL ENGINEERING


Dipl.-Ing.
Full-time

Campus
LINZ



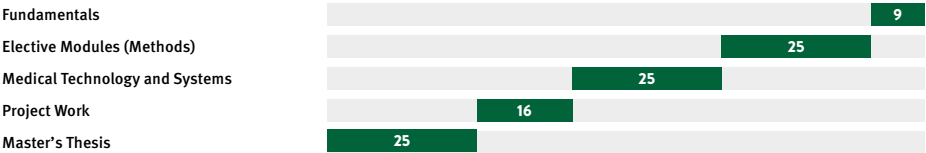
Degree: Dipl.-Ing. The academic degree ‘Dipl.-Ing.’ corresponds to the international degree MSc.
Duration: 4 Semesters (120 ECTS)
Admission Requirements: Graduates of technical-scientific Bachelor’s degree in engineering with 180 ECTS points or more (for more specific details see our website)
Language of Instruction: English

ENGINEERS FOR QUALIFIED MEDICAL PRODUCT DEVELOPMENT AND PLACEMENT

The international Master’s degree programme enables students to engineer medical devices as well as products and to position them on the market. They can choose 3 (out of 4) elective modules: Electronics, Bio-mechanics, Medical Device Software, Materials Technology. These are enhanced by courses in Systems Engineering, Medicine, Clinical Trials and Regulatory Affairs. As part of project work and master’s thesis, students can apply their skills within companies, research institutes or hospitals to develop, produce and/or integrate modern medical devices or products. Graduates are qualified as engineers with the ability to develop medical devices and products within the EU-regulatory framework and to consider FDA regulations. Application areas are medical imaging systems, assisted medical robotics, pacemakers, bionic prostheses, artificial intelligence based support systems and many more.

PROFILE

Figures in per cent, based on ECTS-Credits



CAREER PROFILE

It is the solid professional and scientific knowledge paired with applied engineering skills which prepares graduates for leadership functions in larger projects, in product development or, alternatively, 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 managers and also as qualified advisors for technical sales. Graduates can apply their knowledge immediately.

FOCUS OF STUDIES

- Applied Mathematics, Statistics and Clinical Trial
- 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

PRAXIS 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 Europe, USA or Asia). Projects abroad, conferences with international speakers or participation in international fairs – the possibilities are manifold.

DID YOU KNOW THAT ...

... Medical Engineering is one of 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) represents a direct link to businesses and healthcare institutions.

Head of Studies:

Prof. Dr. Martin Zauner

Programme Administrator:

Elisabeth Differenz,



Lisa Wohlauf

Phone: +43 5 0804 52100


Email: mme@fh-linz.at



GLOBAL SALES AND MARKETING


BA
Full-time

Campus
STEYR



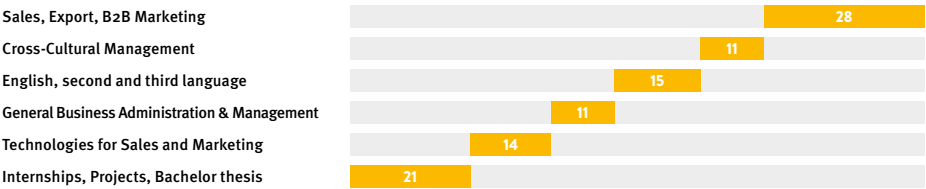
Degree: Bachelor of Arts in Business (BA)
Duration: 6 Semesters (180 ECTS)
Internship: Nine weeks in 6th semester abroad or at home
Language of Instruction: English
Subsequent Master's Degree Programme: Global Sales and Marketing 

INTERNATIONALLY SUCCESSFUL IN SALES, EXPORT & MARKETING

The globalisation and digitalization 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.

PROFILE

Figures in per cent, based on ECTS-Credits



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.

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

PRAXIS 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 Marketing, Export and Sales Excellence, Industrial Service Excellence and Intercultural Management.

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.

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 nine partner universities in Belgium, Colombia, Czech Republic, Finland, Georgia, Poland, Ukraine, Taiwan and Russia.

Head of Studies:

Prof. DI Dr. Margarethe Überwimmer

Vice Head of Studies:

Prof. Mag. Robert Füreder

Programme Administrator:

Brankica Orsulic, BA

Phone: +43 5 0804 33500

Email: gsm@fh-steyr.at



GLOBAL SALES AND MARKETING



MA

Full-time/Part-time



Campus

STEYR

Triple-Degree

2 years 3 degrees¹



Degree: Master of Arts in Business (MA)

Duration: 4 Semesters (120 ECTS)

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

IN-DEPTH KNOW-HOW AND LEADERSHIP SKILLS IN SALES MANAGEMENT AND MARKETING ACTIVITIES

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 marketing and sales personnel. The geographical focus of the degree programme is on emerging markets.

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.

Prof. DI Dr. Margarethe Überwimmer, Head of Studies

CAREER PROFILE

The Master's degree programme Global Sales and Marketing equips the students to DEVELOP and MANAGE future marketing and sales activities for international companies. For such managers, it is essential to be aware of cross-cultural challenges created by the globalisation and digitalisation 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 brand manager, 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

- B2B Marketing: ability to develop and push forward strategic marketing concepts for investment goods including background challenges of a cross-cultural character.
- Sales and Sales Management: ability to conceptualize, evaluate, push forward and control strategic sales decisions.
- 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.

PRAXIS 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.

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.

DID YOU KNOW THAT ...

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

Head of Studies:

Prof. DI Dr. Margarethe Überwimmer

Vice Head of Studies:

Prof. Mag. Robert Füreder

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ELECTRICAL ENGINEERING


BSc
Full-time

Campus
WELS



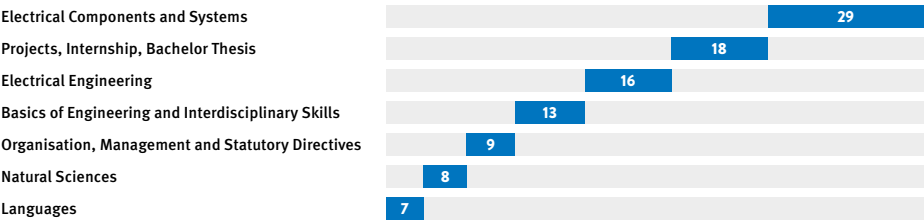
Degree: Bachelor of Science in Engineering (BSc)
Duration: 6 Semesters (180 ECTS)
Mandatory Internship: National or international internship
for 10 weeks
Subsequent Master's Degree Programme:
Electrical Engineering 

ELECTRICAL ENGINEERING: POWERING THE WORLD!

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 energy 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.

PROFILE

Figures in per cent, based on ECTS-Credits



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 and technologies (such as electrical cars).

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

PRAXIS AND RESEARCH

Students will spend approximately 50% of the class time in labs and skills practice classes, preparing them for hands-on application of their acquired theoretical knowledge. Additionally, a strong cooperation with local industry enables our students to obtain real-world experience during their project work and mandatory internship. Students are also invited to join in R&D activities at the University in the 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.

Head of Studies:

Prof. DI Dr. Peter Zeller

Programme Administrator:


Cara Jana Kirchof BA


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AUTOMOTIVE MECHATRONICS AND MANAGEMENT


MSc


Full-time


Campus

WELS



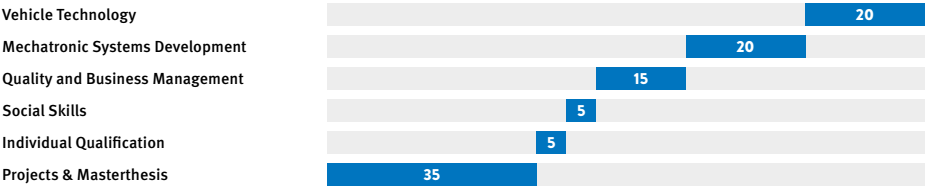
Degree: Master of Science in Engineering (MSc)
Duration: 4 Semesters (120 ECTS)
Admission Requirements: Completed Bachelor’s degree (180 ECTS or equivalent) in Electromechanical Engineering, Mechanical Engineering or related subject areas and solid English language skills
Language of Instruction: English

INNOVATIONS FOR THE FUTURE OF MOBILITY

In the recent past a disruptive change of the existing mobility concepts can be observed. Consequently, the automotive industry as key player in mobility needs to adopt to those changes. More than ever, the fields of mechanics, electronics and information technology merge. The close interplay between those disciplines are key ingredients for both customer satisfaction and the implementation of the aforementioned new mobility concepts. In this context specific expertise in all of the three listed mechatronic disciplines, combined with social- and business economics competences, will be central requirements of future employees and managers in the fast changing vehicle industry. Precisely these requirements are the focus of the new Master’s degree programme Automotive Mechatronics and Management.

PROFILE

Figures in per cent, based on ECTS-Credits



CAREER PROFILE

This international Master's degree programme meets the demand of the mobility industry for engineers who can combine complex individual components into innovative mechatronic systems with improved or completely new functions and in doing so think and act under consideration of qualitative and cost aspects. The fields of activity of graduates are therefore in the execution and management of mechatronic development projects, in the design and validation of mechatronic vehicle systems or as quality engineers in the field of quality assurance in the product development process.

FOCUS OF STUDIES

- Vehicle Mechatronics: sensors, actuators, signal preparation, system architecture
- Vehicle Systems: regulation-, safety- and support systems
- Vehicle Information Technology: communication structure, Car2X communication, embedded systems
- Quality Management: quality planning, quality assurance, quality management systems
- Advanced Concepts in Model Based Engineering: decision making, task alignment, alternative control theory concepts
- Business Economics & Management: innovation, market-oriented management, IPR, business accounting
- Social Competence: intercultural-, moderation-, leadership competence

PRAXIS 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.

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.

Head of Studies:

Prof. Mag. Dr. Kurt Gaubinger

Programme Administrator:



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ELECTRICAL ENGINEERING


MSc
Full-time

Campus
WELS



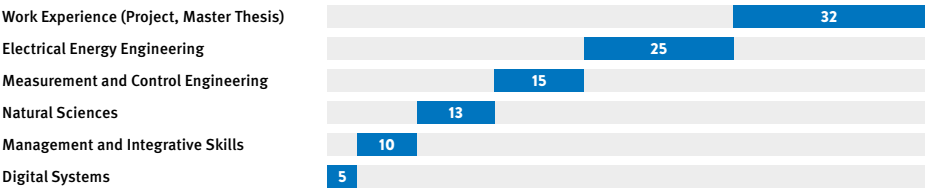
Degree: Master of Science in Engineering (MSc)
Duration: 4 Semesters (120 ECTS)
Admission Requirements: Completed Bachelor's degree
(180 ECTS or equivalent) in Electrical Engineering
Language of Instruction: English

POWERING THE WORLD!

New technologies such as electric cars or renewable and ecological power supply systems require fundamental research in electrical (energy) engineering. DC grids (used in batteries, hydrogen systems, or to distribute and transport electrical energy), and power electronics are the latest technologies aiming to provide a green and environmentally-friendly energy supply. Introducing SMART technology into our power supply reduces costs as well as increasing reliability and accessibility for the end-consumer. This programme will educate the experts needed to make electrical energy supply sustainable and future-proof. They will be pioneering the future!

PROFILE

Figures in per cent, based on ECTS-Credits



CAREER PROFILE

This international Master's degree programme meets the demand of the electrical engineering industry which offers products, systems and services in the field of electrical energy engineering and whose companies deal with the development, production, operation and maintenance of electrical products and systems. Graduates are able to work on technically complex and interdisciplinary assignments. Possible careers could be for example related to products or systems responsible for high voltage installations for energy distribution or as a project manager for (further) developing electrical energy engineering products.

FOCUS OF STUDIES

- Electromagnetic Fields in Multiphysics Systems
- Power Electronics, Control & Measurement Engineering
- High Voltage Engineering
- Digitalization of Electric Grids
- Energy Markets & Energy Law, Financing
- International Management and Development

PRAXIS AND RESEARCH

Students spend over 50% of class time in labs and skill practice classes, preparing them for hands-on application of their acquired theoretical knowledge. Additionally a strong cooperation with local industry enables our students to obtain real-world experience during their project work and internship. In Semester 3, students begin to focus on their specialty in their project work and continue to increase their competency while working on their Master thesis in Semester 4.

INTERNATIONAL ENVIRONMENT

Electrical Engineering is taught exclusively in English. Being able to not only communicate, but work in English automatically gives our students an advantage in an internationally competitive industry. Additionally, we take pride in our international atmosphere, with staff and students representing over 40 different nationalities.

DID YOU KNOW THAT ...

... electric energy engineers have a strong background in Physics with optimal skills to understand complex mechatronic systems such as electric cars, electrical equipment for energy transport and distribution as well as renewable energy systems? Our graduates are in high-demand!

Head of Studies:

Prof. DI Dr. Peter Zeller

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INNOVATION AND PRODUCT MANAGEMENT


MSc

Full-Time


Campus

WELS



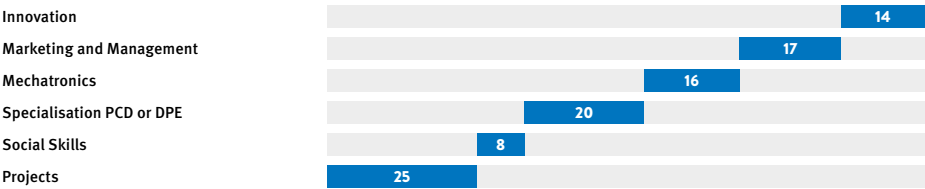
Degree: Master of Science in Engineering (MSc)
Duration: 4 Semesters (120 ECTS)
Admission Requirements: Completed Bachelor's degree
(180 ECTS or equivalent) by engineering or management
Language of Instruction: English

INNOVATIONS FOR INTERNATIONAL MARKETS

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. What characterizes such a process of innovation leading to sustainable success? 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. This is the main focus of this Master's degree programme. In an interdisciplinary training concept, the various aspects of integrated innovation and product management are taught both theoretically and practically. This degree programme provides a comprehensive education in Mechatronics, Innovation Management and Marketing, complemented by the know-how delivered in two specialisations, namely 'Product Concept Design' and 'Development Process Engineering'.

PROFILE

Figures in per cent, based on ECTS-Credits



CAREER PROFILE

Graduates of this degree programme 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.

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.
- International Product – Marketing: Planning and implementing of business-type-specific global marketing and product strategies.
- Specialization 'Product Concept Design': Developing of products and design concepts; integration of all design-relevant factors in the innovation process.
- Specialization 'Development Process Engineering': subsystem of R&D management, which coordinates planning, managing and controlling.

PRAXIS 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.

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.

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.

Head of Studies:

Prof. DI Dr. Michael Rabl MBA

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SUSTAINABLE ENERGY SYSTEMS


MSc

Full-time


Campus

WELS



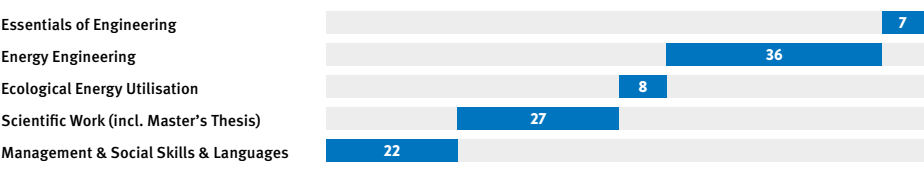
Degree: Master of Science in Engineering (MSc)
Duration: 4 Semesters (120 ECTS)
Admission Requirements: Completed Bachelor's degree in Engineering or technical field; strong English language skills
Language of Instruction: English

COME JOIN US IN PIONEERING THE FUTURE

Sustainability is the key to our future development, especially when it comes to energy utilisation and consumption. As natural resources are becoming increasingly scarce or more expensive, the utilisation of energy in a sustainable way is becoming more and more important. This degree programme combines the education in energy systems with respect to sustainable energy resources, energy efficiency, the decarbonisation of the traditional energy system as well as the management of (international) energy-related projects. Special emphasis is placed on learning and working in multicultural teams.

PROFILE

Figures in per cent, based on ECTS-Credits



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.

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

PRAXIS AND RESEARCH

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.

STUDY ABROAD

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.

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.

Head of Studies:

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PROGRAMMES IN GERMAN

HAGENBERG CAMPUS

BACHELOR

Automotive Computing (BSc)
Communication and Knowledge Media (BA)
Digital Arts¹ (BA)
Hardware-Software-Design (BSc)
Media Technology and Design (BSc)
Medical and Bioinformatics (BSc)
Mobile Computing (BSc)
Secure Information Systems (BSc)
Software Engineering (BSc)

MASTER

Communication and Knowledge Media (MA)
Data Science and Engineering (MSc)
Digital Arts (MA)
Embedded Systems Design (MSc)
Human-Centered-Computing (MSc)
Information Engineering und -Management (MSc)
Information Security Management (MA)
Mobile Computing (MSc)
Secure Information Systems (MSc)
Software Engineering (MSc)

LINZ CAMPUS

BACHELOR

Medical Engineering (BSc)
Public Management (BA)
Social Services Management (BA)
Social Work (BA)

MASTER

Applied Technologies for Medical Diagnostics (MSc)
Healthcare, Social Services and
Public Management (MA)
Social Work (MA)

**VISIT OUR
WEBSITE FOR
FURTHER
INFORMATION
ABOUT ALL
OUR DEGREE
PROGRAMMES
TAUGHT IN
GERMAN.**

These degree programmes are taught in German, hence they are listed in abbreviated form. They are open for German-speaking-students (B2) as well as for graduates of our German Preparation Programme.

STEYR CAMPUS

BACHELOR

Accounting, Controlling and Financial Management (BA)
International Logistics Management (BA)
Marketing and Electronic Business (BA)
Process Management and Business Intelligence (BA)
Production and Management (BSc)

MASTER

Accounting, Controlling and Financial Management (MA)
Agrarmanagement and -innovation¹ (MA)
Digital Business Management (MSc)
Digital Transport and Logistics-Management (MSc)
Operations Management (MSc)
Supply Chain Management (MA)



WELS CAMPUS

BACHELOR

Agricultural Technology and Management (BSc)
Applied Energy Engineering (BSc)
Automation Engineering (BSc)
Bio- and Environmental Technology (BSc)
Civil Engineering (BSc)
Food Technology and Nutrition (BSc)
Intelligent Production Engineering (BSc)
Innovation Engineering and Management (BSc)
Lightweight Design and Composite Materials (BSc)
Materials and Process Engineering (BSc)
Mechanical Engineering (BSc)
Mechatronics and Business Management (BSc)
Process Engineering and Production (BSc)
Product Design and Technical Communication (BSc)

MASTER

Applied Energy Engineering (DI or Dipl.-Ing.)
Automation Engineering (DI or Dipl.-Ing.)
Bio- and Environmental Technology (MSc)
Civil Engineering (DI or Dipl.-Ing.)
Food Technology and Nutrition (MSc)
Lightweight Design and Composite Materials (DI or Dipl.-Ing.)
Materials and Process Engineering (DI or Dipl.-Ing.)
Mechanical Engineering (DI or Dipl.-Ing.)
Mechatronics and Business Management (DI or Dipl.-Ing.)
Plant Construction (DI or Dipl.-Ing.)
Robotic Systems Engineering (DI or Dipl.-Ing.)

¹ subject to approval by AQ Austria

**SPEAKING OF
YOUR FUTURE.
CHECK OUT
THE NEW
CAREER ZONE.**



INTERNATIONAL STUDY GUIDE 2022

ALL ABOUT YOUR FUTURE

**FH OBERÖSTERREICH
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UNIVERSITY
OF APPLIED SCIENCES
UPPER AUSTRIA

