STUDY IN SCHMALKALDEN

HOCHSCHULE SCHMALKALDEN

UNIVERSITY OF APPLIED SCIENCES

Schmalkalden University of Applied Sciences in the Center of Germany

More than 3,000 students studying at the Electrical Engineering, Computer Science, Mechanical Engineering, Business and Economics, and Business Law Faculties benefit from the variety of opportunities that the Schmalkalden University of Applied Sciences offers: innovative courses, a central campus, modern laboratories and library, as well as a close-knit relationship between lecturers and students.

Contact Us!
We are happy to help you ...

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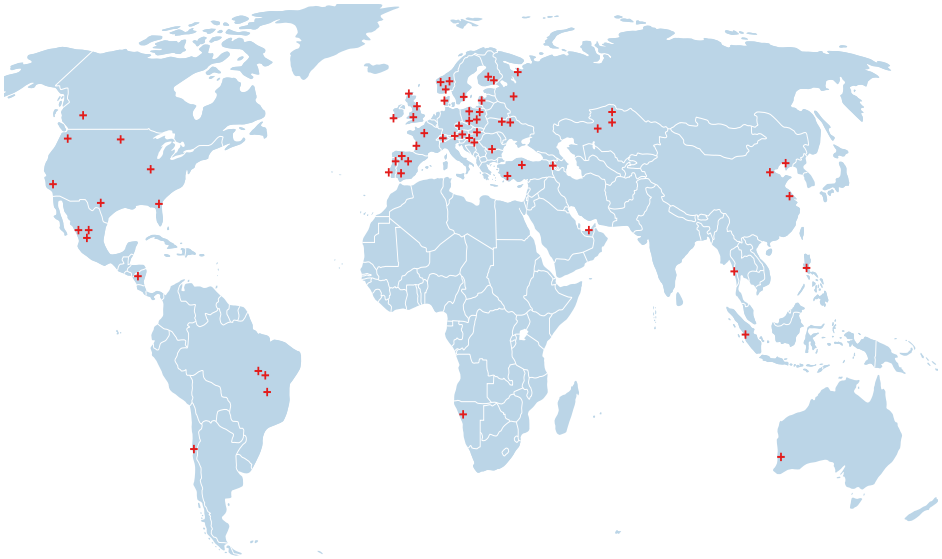
You can also find us on social media:
www.hereinstudiert.de | facebook.com/fachhochschule | twitter.com/fh_schmalkalden

10 reasons why you should study in Schmalkalden:

1. High rankings for our praxis-oriented and unique degree programs
2. An international environment
3. Outstanding job prospects: over 90% of our graduates find a job within six months
4. Committed professors and lecturers who will guide you and answer your questions throughout your studies
5. The university's central campus: lecture halls, laboratories, library and dormitories are all easily accessible and located on campus
6. All degree programs are fully accredited guaranteeing permanent quality assurance
7. Family friendly university: you study – we look after your children
8. A variety of sports facilities: in the summer on campus and in the winter at the nearby winter sports center in Oberhof
9. A considerably shorter period of study compared to the national average
10. Affordable cost of living; the city pays your semester fee

International Office

The International Office coordinates all of the Schmalkalden University of Applied Science's international partnerships. The International Office provides students with information about exchange semester(s) or internships abroad and guides them through the planning and preparation process. With its 120 partners worldwide, the university has a close network of international collegiate partnerships. Another task of the International Office is the administration of admissions for international students, as well as supporting and offering guidance to international and exchange students at the university.



Mechanical Engineering | Bachelor of Engineering (B.Eng.)

Mechanical Engineering – the classic technical degree! For years this traditional degree program has enjoyed great popularity, and not without reason: engineering is not only an interesting challenge, but mechanical engineers are urgently needed in many different sectors of the economy: traditional engineering, in production facilities, the renewable energy sector and the automotive industry to name a few. Mechanical engineers belong to the professional group with the highest income and the highest employment rates.
The seven-semester Mechanical Engineering degree program in Schmalkalden is distinguished by its in-depth and praxis-oriented teaching. The majority of the courses not only consist of lectures, but also practical exercises in state of the art laboratories. In the first semesters, students learn the most important fundamentals of natural sciences and engineering. Right from the beginning, students learn how to construct and calculate mechanical elements. The engineering internship in the fifth semester combines knowledge with practical applications. We also take into account the rapid progress of development and production technology in the following technical subjects: laser technology, computer-aided design (CAD) and simulation (FEM), robotics and computer-aided manufacturing and planning technology are substantial parts of the program.
Mechanical engineers in Schmalkalden acquire a special expertise in tool, mold and fixture construction. In addition, the final thesis in the seventh semester is written at a company in the private sector. A prerequisite for admission to the mechanical engineering program is a four-week mechanical engineering internship at a company. Graduates with an above-average academic performance have the opportunity to continue their studies with a Master's Degree in Mechanical Engineering. The Mechanical Engineering program is also offered as an integrated professional training program (BISS) with an extended duration of study.

Some elective courses offered

- *Machine Tools*
- *Power Engines and Industrial Machines*
- *Work Preparation*
- *Factory Planning/Logistics*
- *Laser Technology*
- *Drive Engineering for Vehicles*
- *Welding Technology*
- *Computer-aided (CAD) Sheet Metal Modeling*

Applied Plastics Technology | Master of Engineering (M.Eng.)

Plastics are an important component of modern engineering and automotive manufacturing. Naturally, the industrial design and the manufacturing technology of these materials require specialized knowledge, especially when applied to mechanical engineering. The master program in Applied Plastics Technology is comprised of three semesters. Along with the lectures in the first and second semesters, project work is also required. The conceptual formulation of the project is closely related to the content of the course work. The third semester is dedicated to the master's thesis. Apart from the required modules, students can also choose from a variety of elective courses. The aim of the Applied Plastics Technology program is to provide students with skills and competencies in product development and construction, as well as in production technology and tool development, especially in the polymer and plastics processing industry. Thus, the objective is to train qualified plastics engineers through application and praxis-oriented teaching. This program should prepare students for scientific jobs and responsible conduct in a modern and changing professional environment.

Plastics-oriented Professional Fields

- *Polymer science / plastics testing*
- *Design with plastics*
- *Plastics processing*
- *Design and engineering of plastic products / FEM*
- *Development of plastic injection molding tools*
- *Plastics in medical technology / fiber reinforced composites*

The requirement for admission to this master program is a university degree (Bachelor or Diplom). The previous degree must be in a field with significant technical content. Eligibility for admission is dependent on the previous field of study and the final grade point average.

Mechanical Engineering | Master of Engineering (M.Eng.)

The generally high demand for mechanical engineers in the job market rings especially true for those with additional specialized knowledge. The complexity of technical processes and circumstances requires specialists with advanced knowledge, especially considering the ever-increasing speed of development for products and technologies.
The Master of Mechanical Engineering consists of three semesters. The admissions requirement for this program is above-average grades in a seven-semester mechanical engineering bachelor or a similar engineering program. Those who have graduated from a six-semester mechanical engineering program have the opportunity to enroll in an intensive preparatory semester to make up for missed information and prepare for the master program.
This program offers advanced training in the field of product and tool development. The aim is to transfer knowledge by providing intensive training in the use of sophisticated theoretical methods, modern computer-assisted methods and tools in the development and construction of new products.
The manufacturing and assembly processes should also be considered in the product development process. An essential part of this degree program, along with the lectures, is the project work, where the student can choose a topic and apply practical knowledge. The master thesis in the third semester should address a relevant problem in the industry and include current research.

Some courses offered

- *Computer-aided Production Engineering*
- *Technical Oscillation Theory*
- *Construction Process*
- *Development Management*
- *Materials Selection*
- *Finite Element Method (FEM)*
- *Computer-aided Process Planning*
- *Automated Machine Systems*

MECHANICAL ENGINEERING

Business Administration and Engineering / Mechanical Engineering

Bachelor of Engineering (B.Eng.)

Industrial engineers organize and optimize the technical, economic and social processes of a company. Their fields include the sectors of procurement, marketing, distribution, product introduction, project planning, as well as manufacturing and process planning. Industrial engineers belong to the professional group with the highest income and the highest employment rates. The length of this program is seven semesters. Fundamental technical and natural sciences courses will be taught, as well as subjects like business economics, business law, and accounting. In the advanced semesters of the program, elective courses can be individually selected, reflecting the student's own personal interests. Practical experience is gathered during the engineering internship. The bachelor thesis, which is written at the end of the seventh semester, is carried out at a company in the private sector.

Industrial engineers occupy a fixed place in mechanical engineering companies. Essential to the program's content is substantiated training in fundamental science and engineering subjects such as: physics, technical mechanics, material technology, construction and manufacturing technology. Compared to the traditional mechanical engineering program, there is more of an emphasis on management and business law and a reduced focus on technical content.

Excerpt from the Module Catalogue

- *Production and Material Economics*
- *Construction*
- *Manufacturing Technology*
- *Technical Project and Innovation Management*
- *Factory Planning / Logistics*
- *Company Formation / Financing*

The fields in which industrial engineers are active are almost unlimited. Industrial engineers are employable as generalists in companies of every size; therefore graduates of this program are in high demand.

Typical Professional Fields:

- Managerial accounting
- Marketing specialist for technical faculties
- Technical procurement
- Sales engineer
- Project management
- Technical planning
- Management

Business Administration and Engineering / Technical Management

Bachelor of Engineering (B.Eng)

The Faculty of Electrical Engineering at the Schmalkalden University of Applied Sciences is offering a new program in Business Administration and Engineering with a focus on Technical Management. The program is completed after seven semesters and a successful final examination. The fields in which industrial engineers are active are almost unlimited, since industrial engineers are employable in a variety of positions. They can be found working in technical and in management fields. Considering the core competencies of an industrial engineer, as well as the technical and management aspects of the training, she/he is well equipped to take on traditional management positions.

Possible Areas of Concentration (4th to 6th semester)

- *Environmental Management*
- *Automotive Electronics*
- *Electrical Drive Engineering*
- *Multimedia*
- *Communications Technology*
- *Energy Management*
- *Automation Engineering*
- *Electronics and Microelectronics*

The graduates of this program are in high demand in the private sector and can usually choose from several job offers after graduation. Graduates from our program find management positions in mid-sized companies as well as in world famous enterprises such as Siemens, E.ON, Daimler, EADS, Volkswagen, Audi, Bosch, MAN, etc.

The most important things at a glance!

- *No prior internship experience required*
- *No tuition fees*
- *No numerus clausus*
- *Praxis-oriented teaching*
- *Personal contact with the professors*
- *Small project groups*
- *Possible to finish in the standard period of study due to the combination of praxis and bachelor thesis phases*
- *Outstanding rankings*

BUSINESS ADMINISTRATION & ENGINEERING

Electrical Engineering and Information Technology | Bachelor of Science (B.Sc.)

The seven-semester Bachelor in Electrical Engineering and Information Technology combines the traditional content of electrical engineering with modern information processing. The course content includes how electricity is generated, conducted, used, and distributed, as well as how information is gathered, transferred, and broadcast, while also addressing the relevant systems. The Electrical Engineering and Information Technology program begins with the basics. Students first acquire fundamental knowledge in the areas of mathematics, physics, computer science, electrical engineering and communication technology. In the fourth semester, students have the opportunity to choose an area of concentration:

In the seventh semester, students complete an internship in a field that will also be the focus of their bachelor thesis.
Graduates of this program have employment opportunities in almost every branch of modern industrial society. The praxis-oriented training in the Faculty of Electrical Engineering provides the foundations for successfully entering professional life. Depending on the chosen area of concentration, graduates can work in a variety of innovative fields.

The program is also offered as an integrated professional training program (BISS) with an extended duration of study.

Areas of Concentration

- *Automation Engineering*
- *Embedded Systems*
- *Electrical Energy Engineering*
- *Automotive Electronics*
- *Telecommunications*

HealthTech (Intelligent Assistance Systems in Medicine and Nursing) | Bachelor of Science (B.Sc.)

The discernable shortage of caregivers, who make it possible for the elderly to live at home longer and provide preventative healthcare, indicates that there will be an increasing demand in the future for assistance systems in the healthcare, medical and nursing fields. The sensitive juncture between humans and technology requires a particularly intellectual approach for assistance systems and an advanced spectrum of competencies of the developer and the service engineer. This is where the HealthTech (Intelligent Assistance Systems in Medicine and Nursing) program comes into play. The program is made up of seven semesters, which are divided into three clusters: in the first three semesters there is a focus on the fundamentals and the structure of the requirements for the areas of specialization. For this cluster, mathematics, physics, electrical engineering and computer science are important, as well as medical basics and business administration. From the fourth through sixth semester, technical specifics are taught and medical subjects are continued. In the seventh semester, the students must complete an internship, on which the topic of their bachelor thesis will focus.

Graduates of this program can find jobs in the following sectors:

Professional fields of activity:

- *Nursing assistance systems*
- *Telemedicine*
- *Medical equipment*
- *Intelligent sensor technology*
- *Home automation for longer independent living*
- *Health technologies*
- *Security of personal data*
- *Age-related services*
- *Consulting*

ELECTRICAL ENGINEERING

Electrical Engineering and Information Technology | Master of Science (M.Sc.)

This program consists of three semesters and is divided into two theoretical semesters and one semester dedicated to writing the master thesis. It is aimed toward graduates of Bachelor and Diplom programs with a primary focus on electrical engineering and information technology and is also offered on a part time basis. Admission to the program depends on the field and the type of the previous degree and the grade point average. The professional areas of application for this program and the demand in the field of engineering have expanded considerably. In particular, the nexus between technical knowledge and non-technical competencies (methodical skills, language abilities, knowledge of economics, and leadership skills) is in high demand. With its praxis-oriented approach, this master program provides you with the skills to fulfill these demands.
A project, as well as the master thesis, are carried out in cooperation with industry partners or are incorporated into research projects. The graduates of this program expand their academic competencies, acquire the qualifications to take on management functions (including higher public service positions) and also have the opportunity to pursue doctoral studies.

Areas of Concentration

- *Applied Mathematics*
- *Embedded Systems*
- *Theoretical Electrical Engineering*
- *Systems Theory and Signal Processing*
- *Software Engineering and Soft Computing*
- *Project Management*
- *Technical and Business Science electives*

International Business Law | Bachelor of Laws (LL.B.)

Business law specialists often work in an international environment. Therefore, it is necessary to have advanced knowledge of international law as well as professional language skills. The International Business Law program is designed for students who are interested in a career with an international focus. In this seven-semester bachelor program, the first three semesters consist of basic training in business law and economics. During the fourth semester, students complete a 20-week internship abroad. Internship placement is at a company abroad, where the student could work as a business law specialist after completing their degree. At least half of the elective courses must be completed in English, and in the fifth semester, students choose their area of specialization.

Students can choose from the following areas of specialization:

Areas of Specialization

- *Operations and Taxation*
- *Restructuring and Insolvency Management*
- *Business and Administration*
- *Human Resources Management, Labor and Employment Law*

Training in key skills, especially intercultural competencies, is another aspect of the program. In the seventh semester all students study abroad at one of our partner institutions for at least three months. While abroad, students must complete 18 ECTS credit points in courses related to international business law.

After the semester abroad, students write their bachelor thesis in English.

Business Law | Bachelor of Laws (LL.B.)

The Business Law bachelor program trains students to practically apply legal knowledge to operational problems and to take aspects of economics into account when solving these issues. This program includes areas of law, economics and key competencies. At the forefront of this program is the practical legal training in over 50% of the courses. At the same time, 30% of the courses cover the close connection between business law and economics. By concentrating on economically relevant areas of law, there is sufficient time to also acquire other key skills such as foreign languages, IT skills and social competencies. During the first three semesters, the fundamentals of law and economics are taught. In the fourth semester, students undertake a twenty-week practical training semester in a company, and in the fifth an sixth semesters, they can select two of the four areas of concentration for their specializations. The program ends with the bachelor thesis. With this degree, there are job prospects for business law specialists in both the public and private sectors since there is a strong connection between law and business administration. Because of their interdisciplinary training, business law experts are not only qualified to work in legal departments but also in commercial departments of companies in the areas of taxation and finance, manufacturing, commerce, banking, insurance, human resources, acquisition and sales. After completing the bachelor, students also have the opportunity to achieve further qualifications with a master degree program in Business Law or International Business and Economics.

Areas of Concentration

- *Human Resources, Labor and Employment Law*
- *Business and Administration*
- *Restructuring and Insolvency Management*
- *Operations and Taxation*

Business Law | Master of Laws (LL.M.)

The three-semester program offers academically rooted training that prepares graduates to work in the areas of national, European and international business law. This interdisciplinary program builds upon the business law bachelor program. It prepares graduates for demanding management and consulting tasks in every corporate area, with a special focus on the problems of mid-sized export-oriented enterprises. Therefore, there is an especially high demand for our graduates in management positions and the combination of legal and business skills is an advantage on the job market. This program – just like a university program – qualifies you for senior positions in public administration.

The admission requirement for this program is a Bachelor or Diplom in business law with the grade "good" (cum laude) or a degree in economics or business administration with a primary focus on law at the Schmalkalden University of Applied Sciences or another comparable institution.

Areas of Concentration

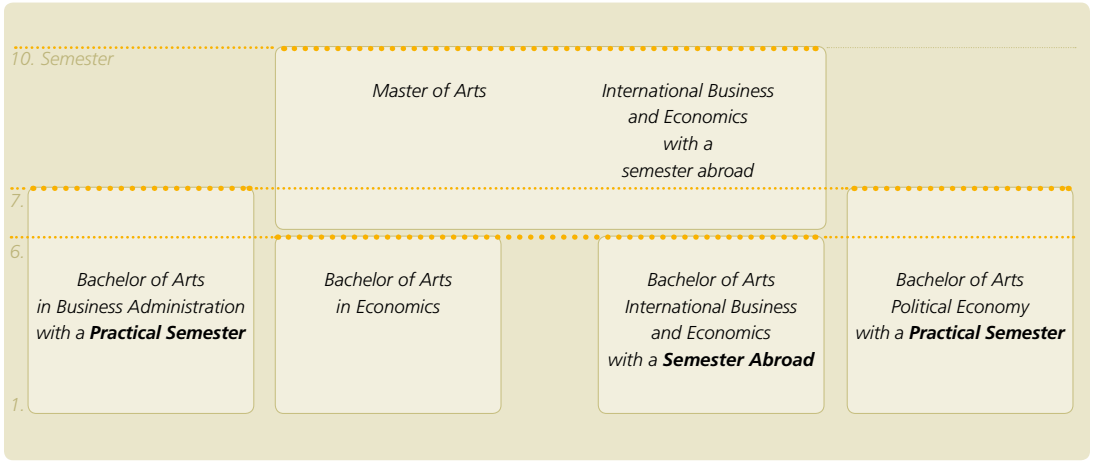
- *European and International Business and Corporate Law*
- *European and International Restructuring and Insolvency Law*
- *European and International Tax Planning and Structuring*
- *International Accounting and International Financial Management*
- *Transnational Human Resources Management*
- *Transnational Contract Design*
- *Corporate Legal Protection*
- *Mergers and Acquisitions, Company Succession*
- *Elective modules, key skills*

BUSINESS LAW

Economic Sciences | Bachelor of Arts (B.A.) / Master of Arts (M.A.)

Germany is increasingly part of a competitive international economy, thus creating a high demand for young people with an understanding of economic relations. The possible areas of employment in different industries and functions are so diverse that you can relate almost all of your personal interests to your career.

Industries	***Functions***
• *Automotive Industry*	• *Purchasing / Procurement*
• *Chemical Industry*	• *Production*
• *Pharmaceutical Industry*	• *Sales / Distribution*
• *Steel Industry*	• *Exports*
• *Electrical Industry*	• *Financial Management*
• *Energy Sector*	• *Accounting*
• *Tax and Audit Consulting*	• *Controlling*
• *Telecommunications*	• *Internal Auditing*
• *Food and Beverage Industry*	• *Human Resources*
• *Construction Industry*	• *Marketing and Product Management*
• *Commerce*	• *Organization*
• *Banking and Insurance*	• *Enterprise Planning*
• *Tourism*	• *Communications and Information Technology*
• *Management Consulting*	
• *Public Service*	

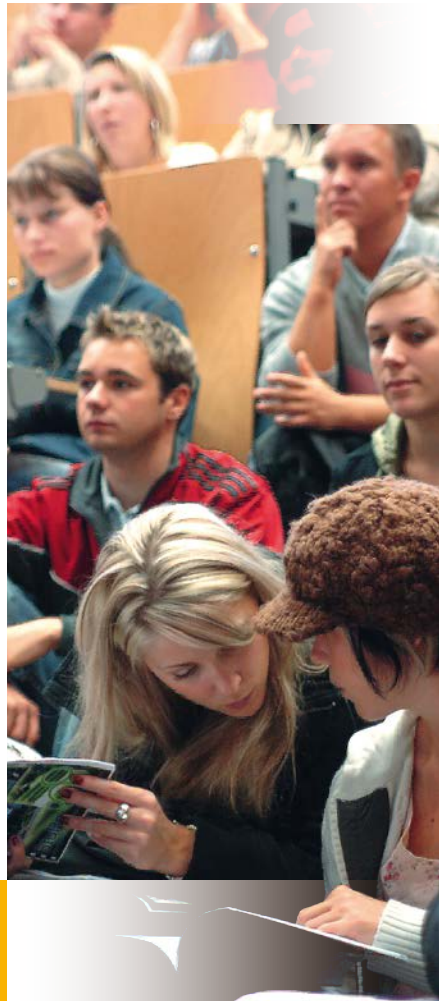


Our faculty offers a comprehensive selection of courses within the field of Economic Sciences:

- *Bachelor of Arts "Business Administration"*
- *Bachelor of Arts "Political Economy"*
- *Bachelor of Arts "Economics"*
- *Bachelor of Arts "International Business and Economics"*
- *Master of Arts "International Business and Economics"*

The basis of all four Bachelor degree programs consists of 21 mandatory courses that provide students with an important foundation.

Beginning in the fourth semester of the Bachelor program "Business Administration", your elective courses will focus primarily on business-related economic issues and you will also complete a **practical semester.**



ECONOMIC SCIENCES

The Bachelor program "Political Economy" also requires a practical semester. In this program there will be an emphasis on macroeconomic issues in your elective courses.

In the "Economics" Bachelor program (6 semesters) you will gain well-rounded and substantiated knowledge from the subjects of political economy and business administration, so that later on you will have an eye for the bigger picture as well as knowledge of the specifics. Because there is no practical semester, this program is well suited for you if you want to finish your studies quickly, if you already have work experience or if you want to pursue a master's degree afterwards.

If you would like to have more of an international focus, you can do a semester abroad as part of the "International Business and Economics" Bachelor program (6 semesters). In addition to spending time abroad, you are also required to enroll in at least six electives taught in English and to write your bachelor thesis in English. This program is ideal if you want to gather the fundamentals to prepare for the "International Business and Economics" Master program.

All four Bachelor programs are closely linked to one another; therefore, it is possible to change from one program to another without much hassle. Thus, if you are not quite sure which program will benefit you most later on in your professional life, you can choose the program that most closely fits to your career goals at the moment.

Elective Courses for the Bachelor Programs

- *Business Start-ups and Subsistence*
- *Financial Management*
- *Management Accounting and Management Control*
- *Marketing*
- *Human Resources Management and Organization*
- *Taxation and Accounting*
- *Tourism Industry*
- *Quantitative Methods*
- *Empirical Economic Research*
- *Public Finance*
- *International Economic Relations*

Economic Sciences | Bachelor of Arts (B.A.) / Master of Arts (M.A.)

Master Degree Program

A degree in the field of economic sciences is a prerequisite for the "International Business and Economics" Master program. The program consists of four semesters, 120 ECTS credit points and is conducted entirely in English. The first two semesters take place in Schmalkalden. During this period, you will take part in an international preparatory seminar to prepare for your semester abroad and enroll in 12 compulsory elective courses (for a total of 60 ECTS credits). The third semester takes place at a partner university abroad, where you will enroll in an additional 30 ECTS credit points worth of courses in the fields of political economy and business administration. In the fourth semester you will write your master thesis in either English or German in order to further develop your research skills.

Elective Courses for the Master Program

- *Philosophy*
- *Computer-Based Analysis*
- *Accounting*
- *Management*
- *Advanced Economics*
- *International Economics*

Further information about all of the programs can be found in the individual course brochures!

ECONOMIC SCIENCES

Computer Science | Bachelor of Science (B.Sc.)

The "Computer Science" Bachelor program in Schmalkalden is distinguished by its well-rounded teaching of methodological skills in the core subjects of computer science including a comprehensive proportion of programming courses, the introduction to hardware and software systems, software engineering and the techniques for developing complex systems. The curriculum is continually updated and conceptualized to reflect current findings including up-to-date topics such as HTML5 and WebGL.

In addition, we have access to state of the art IT infrastructure with several laboratories where the most modern IT knowledge can be directly applied to research projects. The six-semester bachelor program is structured so that in the first two semesters you learn the fundamentals of computer science, natural sciences, and technology, as well as economics.
The programming training makes up a third of the coursework in the first two semesters.

In the third semester you will learn about the six major branches of computer science in the following subjects:

- Software Engineering
- Operating Systems
- Computer Networks
- Database Systems
- Information Engineering
- Knowledge Engineering

Along with a series of substantial elective courses, semesters four through six are comprised of courses in the fields of IT security and project management. In the fifth semester, a practical phase at a company or, as an alternative, a semester abroad is undertaken. In the sixth semester, you can enroll in additional elective courses and write your bachelor thesis. After you complete this bachelor degree program, you can easily begin a master in "Applied Media Informatics".

Business Informatics | Bachelor of Science (B.Sc.)

Computer scientists in business informatics work at the nexus between IT and business administration. They work as liaisons between these branches, often as managers for comprehensive IT projects. The business informatics program is distinguished by its well-rounded teaching of methodological skills in core subjects with solid programming content and training in conventional application systems such as SAP.
You will learn to conceptualize software systems and how to adapt them to user needs. There is also the possibility to enroll in the **certificate program in SAP TERP 10** (Enterprise Resource Planning) alongside your studies. In this program you also acquire comprehensive knowledge of business studies with subjects such as accounting, finance, controlling and marketing, which constitute the most important aspects of business IT management and the successful marketing of IT services.

This six-semester bachelor program is structured so that you acquire the fundamentals of computer science and business studies in the first two semesters. In the third and fourth semesters, you become oriented with the different fields of business informatics and expand this knowledge with the selection of elective courses according to your own interests. In preparation for your future career, you will focus on case studies and IT projects as well as partaking in an enterprise simulation.
In the fifth semester you will complete your internship at a company or gain international experience during a semester abroad. In the final semester, you can enroll in further elective courses and write your bachelor thesis.

Three out of Five Elective Areas

- *Business Management*
- *Application Systems*
- *Database Systems*
- *Information Management*
- *Multimedia and Communication Systems*

COMPUTER SCIENCE

Multimedia Marketing | Bachelor of Science (B.Sc.)

Marketing in the age of Google, Facebook and the creative design of online content!

In the multimedia marketing program you will acquire specific knowledge about marketing in the field of new media, which is becoming evermore important for communication and marketing on the internet and mobile devices. Not only will you learn about technical topics like programming, but you will also be immersed in subjects like media design and the use of specific design tools. Furthermore, you will learn how to develop and implement marketing and communication concepts, as well as carrying out the organizational aspects, and project and business management of online marketing activities.

The six-semester bachelor program is structured so that in the first three semesters you learn about the fundamentals of business informatics, marketing, visual communication, and business administration. In the fourth semester you will delve further into the topics of marketing, as well as multimedia and communication systems. Furthermore, you will also select elective courses according to your own personal interests. In the fifth semester, you have the chance to apply your knowledge in a practical way by doing an internship at a company. Alternatively, you can do a semester abroad at one of our partner institutions. In the sixth semester, you can enroll in further elective courses and write your bachelor thesis. After you complete this bachelor degree program, you have the opportunity to continue your studies with a master in "Applied Media Informatics" at the Faculty of Computer Science.

Two Required Subjects

- *Marketing*
- *Multimedia and Communication Systems*

One Elective Subject

- *Visual Communication*
- *Business Management*
- *Application Systems*

Mobile Computing | Bachelor of Science (B.Sc.)

Miniaturized, productive, multisensory, adaptable, energy efficient, interconnected – these characteristics describe an extremely successful form of new technological systems that make up an enormous emerging market. Smartphones and apps are ever-present, creating huge potential and allowing for new forms of interaction and innovative applications. In the six-semester "Mobile Computing" Bachelor program, you will learn the conceptual foundations of and acquire the competencies and practical skills for establishing and operating mobile systems. During the basic training, students will learn about and apply concepts of programming and system structure. In the secondary parts of the program, students intensively delve into app development, software engineering, the integration of systems, and service-oriented architectures. The fifth semester is a practical semester, where students work under the supervision of experienced experts in the field. In the sixth semester, students write the bachelor thesis.

Graduates of the Mobile Computing bachelor program have a wide array of professional opportunities available to them.

Areas of Application for Mobile Computing

- *Industry 4.0*
- *Medical Technology*
- *Logistics*
- *Energy Use*
- *Facility Management*
- *Infotainment*
- *Communications*
- *Education*
- *Robotics*
- *Tourism*

COMPUTER SCIENCE

Applied Media Informatics | Master of Science (M.Sc.)

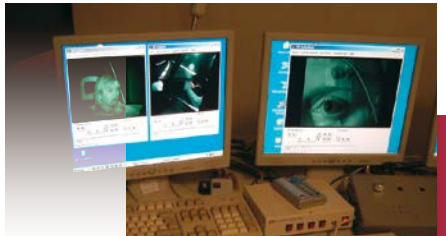
An integral part of a modern society's emerging markets is communication and information processing over networks like the internet, where applications and services with extensive functionality and opportunities interact on diverse and high quality media platforms. In the **four-semester Applied Media Informatics Master Program** we train experts who are able to conceptualize and implement high quality, multimedia applications and services. In the mandatory modules, students learn the technical and methodological skills necessary for the fields of network communication, web development, and multimedia production. Up-to-date practical training is guaranteed through projects with our external partners. In addition, students can expand their skillset working on research projects. Along with the general key competencies, students gather additional skills in the elective courses.

In the Knowledge Engineering and Distributed Computing track, students learn advanced technical fundamentals and software development for the transfer, analysis and retrieval of multimedia information as well as applications between the intersecting fields of computer science and engineering, natural sciences, and medicine (i.e., visualization, simulation and automation). Modern applications must meet high specification requirements for goal-oriented functionality and user friendliness.

In the Communications and Business Informatics track, students learn about specification requirements, structures and standards of a variety of business informatics applications such as e-commerce, e-business, e-collaboration, e-government services, and aspects of usability.

Key Areas of Concentration

- *Conception, production, development and management of network-based multimedia applications*
- *Knowledge engineering and distributed computing*
- *Communications and business informatics*



Dual Study Programs | Integrated Professional Training Study Program Schmalkalden (BISS)

The Schmalkalden University of Applied Sciences offers an attractive alternative for vocational training and undergraduate studies: the integrated professional training study program Schmalkalden (BISS), which is a combination of an engineering degree with IHK/HWK-certified vocational training. In this program, you have the opportunity to combine your bachelor studies with an industry and chamber of commerce certified vocational training program. During your training you will alternate between the university, the company offering the traineeship, and the vocational school. Studying together with other students enrolled in the regular bachelor degree programs, you can complete a seven-semester bachelor program in one of the following fields:

- *Mechanical Engineering*
- *Industrial Engineering*
- *Electrical Engineering and Information Technology*
- *HealthTech*

After 2.5 years you complete your qualifications as a technician or tradesman and after 4.5 years, you complete your bachelor degree. The advantage of this program is obvious: the increased level of practical experience improves your chances of finding a job quickly.

It is also possible to complete a "praxis-oriented study program", which can be completed in 3.5 years.

Center for Continuing Education / Part-time Study Programs

Since 2004 the Schmalkalden University of Applied Sciences has successfully implemented continuing education programs. These programs are designed for working professionals, who already have a degree or adequate professional experience. The programs are divided into self-study and classroom phases, so that working life and studying can be optimally combined.
All of the continuing education programs have tuition fees. For more information, please contact the team at the Center for Continuing Education at the Schmalkalden University of Applied Sciences.

Zentrum für Weiterbildung
Hochschule Schmalkalden

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E-Mail: zfw@hs-schmalkalden.de
www.hs-schmalkalden.de/weiterbildung

Master Degree Programs

- *Applied Plastics Technology (M.Eng.)*
- *Electrical Engineering and Management (M.Eng)*
- *Computer Science and IT Management (M.Sc.)*
- *Mechanical Engineering and Management (M.Sc.)*
- *Public Administration and Management (MPA)*
- *Sports Management (MBA)*
- *Business Management (M.A.)*

Continuing Education Certificate Programs

- *Application Engineer (FH) for Lightweight Construction*
- *Pharmacy Business Economist (FH)*
- *Economist for Controlling and Taxation (FH)*
- *Online Marketing Economist (FH)*
- *Business Process Manager (FH)*
- *Financial Business Administrator (FH)*
- *Health Economist (FH)*
- *Ideas Manager (FH)*
- *Pharmaceutical Economist (FH)*
- *Production Manager (FH) for Plastics Technology*
- *Product Manager (FH)*
- *Project Manager (FH) for Tools and Mold Manufacturing*
- *Quality Manager (FH) for Production and Organization Processes*
- *Insolvency Manager (FH)*
- *Sports Economist (FH)*
- *Technician (FH) for Renewable Energy and Renewable Raw Materials*
- *Event Economist (FH)*
- *Contract Manager (FH)*
- *Sales Manager (FH)*

Application and Admission

All bachelor programs begin in the winter semester. The application deadline is usually July 15th of each year. To be eligible for admission you must meet higher education entrance qualifications for universities of applied sciences.

Further information about application documents can be found on our website or at our Student Advisory Services office. International prospective students should contact the International Office for information on the application process.

Special Admission Requirements
To be eligible for our bachelor programs in Mechanical Engineering and Business Administration and Engineering with a concentration in Mechanical Engineering, you must complete a four-week internship prior to your studies. For the dual study programs, you must submit your traineeship contract with a company along with your application.

For certain degree programs there are additional admission requirements. Due to high demand, a different application deadline applies to the "International Business and Economics" master program.

You can find further information on the respective webpages of each faculty.

Fotos: Fotoarchiv Hochschule Schmalkalden

The Degree Programs at the Schmalkalden University of Applied Sciences at a Glance

- *Mechanical Engineering (Bachelor & Master)*
- *Applied Plastics Technology (Master)*

- *Business Administration and Engineering / Mechanical Engineering (Bachelor)*
- *Business Administration and Engineering / Technical Management (Bachelor)*

- *Electrical Engineering and Information Technology (Bachelor & Master)*
- *HealthTech (Intelligent Assistance Systems in Medicine and Nursing) (Bachelor)*

- *International Business Law (Bachelor)*
- *Business Law (Bachelor & Master)*

- *Economics (Bachelor)*
- *Business Administration (Bachelor)*
- *International Business and Economics (Bachelor & Master)*
- *Political Economy (Bachelor)*

- *Computer Science (Bachelor)*
- *Business Informatics (Bachelor)*
- *Multimedia Marketing (Bachelor)*
- *Mobile Computing (Bachelor)*
- *Applied Media Informatics (Master)*

- *BISS - Integrated Professional Training Study Program (Bachelor)*
- *Certification and Degree Programs at the Center for Continuing Education*

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