This code connects your mobile phone directly to our website.

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SRH HOCHSCHULE
HEIDELBERG
Intelligence in Learning

COURSE OF STUDY
APPLIED COMPUTER SCIENCE, M.SC.

HOCHSCHULE
HEIDELBERG

Intelligence in Learning

STATE
APPROVED
UNIVERSITY

Find the right course! Know where to study!

SRH University Heidelberg is a state-aapproved private university. As one of the oldest and largest private universities in Germany, the SRH University Heidelberg looks back at over 40 years of experience in offering cutting-edge degree programmes in the areas of Business, Informatics, Engineering, Architecture, Social and Legal Sciences and Applied Psychology as well as Therapy Sciences. Each of these interdisciplinary programmes is continually developed in cooperation with experts from research and industry.

APPLIED COMPUTER SCIENCE, M.SC.

Practically orientated and well-connected

SRH University Heidelberg is located in the heart of one of the most dynamic business and computer science regions in Germany. World renowned companies such as SAP, Heidelberger Druckmaschinen AG, HeidelbergCement, ABB, SAS, MLP, Springer Science, BASF and more are located nearby. This enables us to work together with a number of businesses and ensure practical relevance in our teaching. Special excursions help to deepen our students' understanding on-site. You learn scientific working methods and know-how to apply your own ideas in carrying out project work.

Recognised teaching quality

Our great success factor lies not only in the transfer of knowledge but also in creativity in both teaching and research. The SRH University Heidelberg was awarded institutional reaccreditation by the German Council of Science and Humanities in 2009.

Go international!

SRH University has a distinctly global perspective. We have a tradition of welcoming international students from all over the world. Our international students come from over thirty countries. Students are given an environment to experience different languages and culture in addition to academic study by keeping class sizes small and with a mix of different nationalities. Our "International Office" frequently organizes cultural events such as "Coffee International," "International Student Buffet," language program, and others.

CAMPUS AND CITY LIFE

We provide our students with an excellent atmosphere for studying and living. The campus provides a wide range of services and facilities, including a library, Wi-Fi connection, student service, good-value single/double room apartments, an excellent refectory, café, sports centre, Sky Lounge for parties and cultural events, banking facilities to name but a few. Connectivity to Heidelberg city centre is excellent. It only takes 10 minutes by bus or tram.

Heidelberg is one of the oldest cities in Germany, known for its historical architecture and students. The fact that Heidelberg is home to many renowned universities and research institutions has earned it the title "university town". Heidelberg is known to be a safe and vibrant city with an envied choice of cultural and leisure activities – Heidelberg Castle, museums, markets, boat trips on the river Neckar, trekking, theatre, concerts, films, pubs, discos, the list continues.

Our international students' adviser helps students with accommodation, registration with the local authorities, student bank accounts, finding your way around town and more.

Further information is available on our departmental website:
http://www.hochschule-heidelberg.de/en/international/

A MASTER'S DEGREE IN COMPUTER SCIENCE OPENS DOORS!

**This international programme is taught in English and is designed to bring students from a variety of backgrounds and cultures together to facilitate cross-cultural learning experiences.
The goal of this programme is to intensify and deepen the students' knowledge and provide them with key competencies for success in the informatics field.**

Programme content

The curriculum includes a wide range of core modules, such as International Project Management, Software Architecture, Networks and Security, Database and Data Mining among others. You can further specialise in one of the following key areas:

❚ Business Computing
ERP Systems, SAP Application, Customization, ABAP, In Memory Databases

❚ Multimedia Development
Advanced Game Design, Augmented and Virtual Reality, Designing Virtual Worlds and Research Projects

Practical experience

By means of "guided study," applied learning methods are tailored to each student's individual strengths. This allows students to choose an area of specialisation during their studies and develop individual skills and competencies. During an integrated internship with one of our partner companies you will have the opportunity to apply the skills you have learned in a real world scenario.

AT A GLANCE

APPLIED COMPUTER SCIENCE

Duration of study
❚ 24 months (120 ECTS), Exceptional cases: 18 months (90 ECTS)

Starting
❚ Every year on 1st April and 1st October

Admission requirements
❚ Recognised bachelor's degree (180 ECTS, or 210 ECTS for exceptional case) or German Diplom in Computer Science, "Virtuelle Realitaeten," "Angewandte Informatik," "Wirtschaftsinformatik," Information Technology, Software Development or similar, which is consecutive to the program/specialization
❚ Good knowledge in Java or C++, as well as in databases
❚ English proficiency (master's thesis may also be written in German)

Degree
❚ State-accredited Master of Science (M.Sc.)

Fee
❚ 670 euro/ month (according to the price list 2014) plus enrollment fee of 620 euro. International students are required to pay the fee for 24 months in advance, national students can pay at monthly rate.

STRUCTURE OF THE MASTER PROGRAMME

The programme is organized in modules with an overall workload of 90-120 credit points depending on your master's programme. The courses are compri- sed of lectures, seminars, tutorials and interdisciplinary project work. The table is an overview of the programme's general structure.

*lecture free time

Semester 1		Module 1	Module 2	Module 3	Module 4	Credits
	Course	IT-Security	Software Development Practice	Advanced Information Systems	Specialization 1	
	Credits	8	8	8	8	32
Semester 2		Module 5	Module 6	Module 7	Module 8	
	Course	Software Architecture and Development	Specialization II	Advanced Computer Science	Current Topics in Computer Science	
	Credits	8	8	8	8	32
Semester 3		Module 9	Module 10	Module 11		
	Course	International Project Management	Specialization III	Elective Module: Internship or Research Project		
	Credits	8	8	14		32
Semester 3		Module 13				
	Course	Thesis and Thesis Seminar				
	Credits	30				32
						120

SPECIALIZATIONS

Specialization Business Computing
Business Application Systems and Development
SAP Technology
SAP HANA
SAP Development ABAP
SAP Netweaver Business Process Management
Internet & Network Technologies
Applied Research
Business Information Systems & Development

Specialization Multimedia Development
Advanced Game Design
Applied Artificial Intelligence
Development of Multimedia Systems
Developing Multimedia Learning Systems
Developing Mobile Applications
Internet & Network Technologies
Applied Research
Designing Virtual Worlds
Augmented Reality

CAREER PROSPECTS!

A master's degree in informatics increases your chances of securing a lucrative position in the software and IT industry. With our master's programme you will acquire the necessary knowledge and skills required for the job. Our graduates are working for large enterprises such as AIRBUS, ADIDAS, AUDI, BOSCH, BMW, BASF, DEUTSCHE BOERSE, DKFZ, SAP, TRIMUPH, VERIVOX, etc. and many more small and medium sized companies. Our programme is also accredited for senior positions in the public sector. Furthermore, a master's degree qualifies for research e.g. doctoral studies.

Positions you will be qualified for
▌ Structural and object-orientated software development in the fields of advanced engineering and architecture.
▌ Systems analyst and system designer for large and medium-sized ERP systems.
▌ Technical and process-oriented consulting, e.g. project manager with international competencies.
▌ Computer game developer, multimedia designer, network administrator, database manager, web designer, to name but a few.

How to apply
Our master's programme in informatics starts every year on April 1st and October 1st. We look forward to receiving your application, which should include:
▌ Three passport sized photographs
▌ Curriculum vitae
▌ Certified copy of Credentials (e.g. High School Transcripts, University Transcripts, Language tests)
▌ 2 Letters of recommendation
▌ Statement of Purpose and Goals
▌ Practical experience

You can apply online or download an application form at www.hochschule-heidelberg.de/en

REPORTS OF EXPERIENCES

„I, Ajinkya Prabhune completed my masters from Hochschule SRH in 2011. My experience during the masters program has been exceptional and to justify is the job that I have at SAP AG. The study culture in the SRH is a perfect blend of education to learn the latest technologies and freedom to pursue your own goals/dreams. The advantages of studying in SRH is that one gets enough practical knowledge to prepare himself/herself for their future professional life."

„I, Priyanka Sakundarwar, a student of SRH batch 2011. Now I am working as a Software developer at SAP AG. I had overall a good experience during my masters program. I had received all support in my studies as well as doing internship and thesis by the staff members. For me, to be successful in my master program at SRH, I had to give my 100% in both lectures as well as self study. And if you can do this then no one can stop you from achieving your goals."

CORE – OUR NEW STUDY MODEL

The "CORE-Principle" – Competence Oriented Research and Education – places the acquisition of occupational competence at the center of your studies. This approach goes far beyond the delivery of theoretical knowledge. After your graduation, you will start your career with a great sense of self-confidence. Our students possess everything needed for a successful career: knowledge, competence, expertise and key skills. Our students are confident of their own abilities.

KEY SUCCESS FACTORS OF THE CORE PRINCIPLE

❙ **Subject-Oriented 5-Week Blocks**
Instead of having to deal with numerous subjects at the same time, you can focus entirely on a maximum of two subjects within one 5-week period.

❙ **Activating Teaching and Learning Methods**
To ensure that students remember what they are learning, we take a practical approach to teaching (case studies, seminars, team projects, role plays and presentations).

❙ **Competence-Based Examination Methods**
From the profusion of examination methods available (oral examination, presentation, projects), we choose the method that best fits the skills taught in a particular module. Scheduling a great number of exams within a short period of time is now a thing of the past thanks to the new program.

❙ **Best Employability**
Our graduates are capable of proving themselves in a real business environment after their studies.

❙ **Personal responsibility**
Only when you take responsibility for your own actions and study programme, will you be able to excel and acquire the necessary knowledge and skills to take on responsibility in business life – for yourself and for others.

❙ **Learning partnership**
In their roles as mentors and coaches, the teaching staff assist the students in every way possible, be it subject-specific content, study organization or in personal matters.

❙ **Innovation and research**
We are always state of the art.

❙ **The competence model**
The term occupational competence denotes all the skills that enable you to act independently and successfully – and they are required in the labor market! Occupational competence can be attained at many levels by acquiring professional competence, methodological competence, self-competence and social competence.

SUPPLEMENT

Tuition fees - invest in your future!
We are a private, state-accredited university. The tuition fees enable us to offer you excellent teaching and an optimal study environment.

The current tuition fees can be found on our website,
http://www.hochschule-heidelberg.de/en/schools/school-of-informatics/
international-master-program/

Funding
In addition to the classic "BAföG" grant, there are numerous other ways to finance your studies. We can advise you as to which of the following could be an option for you.
▌ BAföG (only for german students)
▌ Student loan from KfW bank group and other financial institutes
▌ DAAD
▌ Deutschland STIPENDIUM

Questions ?

We would be happy to talk to you on the phone, at one of our University info days or in person by appointment.

Just contact:

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