Graduation

Each module concludes with an exam. For the completion of studies, you have to submit and defend a Master's thesis.

After the successful completion of the Master's program, you receive the academic degree "Master of Science – Data Science" which documents your professional knowledge offered by this advanced training.

Tuition Fees

According to the state law on universities and colleges, advanced training programs have to cover their costs by charging tuition fees – in contrast to traditional Bachelor's and Master's studies.

The tuition fees for the part-time Master's program "Data Science" are 18,580 Euros.

This amount includes the study materials, the learning platform, classroom training sessions, supervision by professors/tutors during the distance learning periods, the supervision of the Master's thesis and the fees for the final examination.

Part-time

Scientific Further Education

Each of our programs in scientific further education is part-time and geared to the needs of professionals. This way, we enable you to intensively build your competence for your further career, besides work and family.

Preparatory Course
Studium Initiale

Certificates
University Certificates

Master's programs
Data Science

Digital Forensic

IT GRC Management

http://hs-albsig.de/weiterbildung

Data Science

Become a Data Science expert that is in demand worldwide and learn to apply huge amounts of data profitably with latest technology. Due to the high demand for Data Scientists in commerce, this future-proof education offers excellent career opportunities.

Brief Overview

- Duration of studies, including the Master's thesis: 6 semesters
- Part-time online study program, each semester includes about 4 classroom training sessions
- Intensive supervision by professors, tutors and experts
- Professional qualification in a strongly growing and very lucrative work environment

Contacts

Dean of the course
Prof. Dr. Thomas Eppler
Phone: +49 (0) 7571 / 732-9173
Email: eppler@hs-albsig.de

Study course management
Andreas Nolle
Phone: +49 (0) 7571 / 732-9134
Email: datascience@hs-albsig.de

Address
Jakobstraße 6
72458 Albstadt-Ebingen
Germany

Application

More information on the Master's program Data Science can be found on our website:

http://www.data-science-studieren.de

Master's Program

Data Science

Online Study Program for Experts

→ Online-based distance learning

→ Part-time further education program

→ Subject areas: Data Analytics, Data Management and Business Information

→ In Collaboration with the University of Mannheim and the Eberhard Karls University of Tübingen

Part-time

Scientific Further Education

http://www.data-science-studieren.de

Aim of Education

The goal of the Master's program Data Science is to enable you to apply huge amounts of data profitably within your company with the help of the latest technology.

We focus on professional practice and on the application of the most innovative research topics.

Our training will make you a Data Scientist

Cooperation

To ensure a high teaching quality, the Albstadt-Sigmaringen University cooperates with the University of Mannheim and the Eberhard Karls University of Tübingen. Each of the partners is responsible for certain modules and thus contributes to the interdisciplinary curriculum with specific expertise.

- Albstadt-Sigmaringen University
- University of Mannheim
- Eberhard Karls University of Tübingen

What to expect

- Qualified teachers in a course of study that is unique in Germany
- Didactically and methodically designed study materials for self-paced learning
- Continuous and sound supervision by trained tutors via up-to-date communications tools
- Learning platform for efficient administration and interaction with fellow students and teachers
- Workshops to prove your newfound skills and to perform exercises
- An approved qualification, the perfect steppingstone towards a promising career
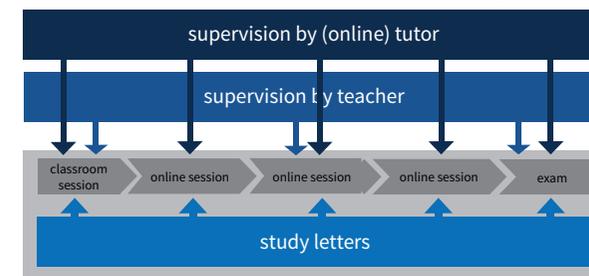
Requirements

- Certificate of an accepted degree qualifying for profession (at least 180 ECTS credits)
- At least one year of professional experience
- Credits from previous academic or professional qualifications, where appropriate, can be applied. This is the subject of a separate audit.
- Good german language skills*

	Semester	Business Information	Data Analytics			Data Management
Advanced course	6	Master's thesis and colloquium				
	5	Data Privacy & Data Compliance	Semantic Web Technologies	Web Mining		In-Memory Databases / OLAP
	4	Summer School				
		Seminar Paper / Practical Training				
	3	Business Process & Big Data Use Cases	Text Mining	Machine Learning		Optimization Techniques for Data Analysis
	2	Decision Support	Large Scale Data Analysis and Parallelization	Web Data Integration		Data Bases for Big Data
Basic course	1	Business Intelligence and Warehouses	Data Mining	Mathematical Foundations for Data Science		Programming for Data Science

only parts of the course are in English

Online and Classroom Training Sessions

The modules are designed not only to acquire specialized knowledge, but also methodical and social skills. Thanks to the teaching and learning concept of blended learning, where online and classroom training sessions are closely coordinated, self-paced learning is enabled and study periods can be easily scheduled. Furthermore, the course's design facilitates the interaction of fellow students with each other as well as with tutors and teachers.

Module Structure - Blended Learning

Module Contents

The distance-learning course Data Science consists of 16 modules, which are comprised of basic and advanced modules as well as the master's thesis. Each module concludes with a written exam or an equivalent performance record.

One special feature of the curriculum is the summer school in the fourth semester. In this block event, external experts hold workshops and projects in the field of Data Science. Subsequently, every student works on a seminar paper about a topic individually chosen by them. The seminar paper's topic can be selected togehter with the employer or a cooperating partner of the course of study. Finally, the seminar paper has to be defended in front of an audience of specialists (company and university representatives). The purpose of the last semester is to write the Master's thesis.