

# Bachelor-Urkunde

Die Fachhochschule der Wirtschaft  
als staatlich anerkannte Fachhochschule

verleiht mit dieser Urkunde

**Herrn Sven Hülsenbeck**

geboren am 23.09.1986 in Mainz

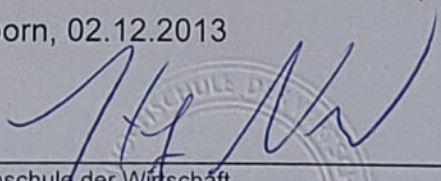
den Hochschulgrad

**Bachelor of Science**

Studiengang Wirtschaftsinformatik  
Unternehmensfunktionen

nachdem er die Bachelor-Prüfung am 02.12.2013 bestanden hat.

Paderborn, 02.12.2013

  
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Fachhochschule der Wirtschaft



# Zeugnis über die Bachelor-Prüfung

## Studiengang Wirtschaftsinformatik

### Unternehmensfunktionen

### Sven Hülsenbeck

geboren am 23.09.1986 in Mainz

hat die Bachelor-Prüfung bestanden mit der

**Gesamtnote befriedigend (3,1)**

### ECTS Note E

| Prüfungsgebiet                             | Note               | Credit Points (ECTS) |
|--------------------------------------------|--------------------|----------------------|
| Informatikgrundlagen                       | befriedigend (3,0) | 3                    |
| Einführung in die Wirtschaftsinformatik    | ausreichend (4,0)  | 3                    |
| Programmierung                             | befriedigend (2,7) | 5                    |
| Objektorientierte Programmierung           | befriedigend (2,7) | 5                    |
| Software Engineering                       | befriedigend (2,7) | 3                    |
| Praxis der Softwareentwicklung I           | befriedigend (3,0) | 3                    |
| Praxis der Softwareentwicklung II          | sehr gut (1,3)     | 3                    |
| Praxis der Softwareentwicklung III         | befriedigend (3,0) | 3                    |
| Betriebssysteme                            | ausreichend (3,7)  | 3                    |
| Datenbanken                                | ausreichend (3,7)  | 5                    |
| Netze                                      | befriedigend (2,7) | 3                    |
| Grundlagen der Betriebswirtschaftslehre I  | ausreichend (4,0)  | 5                    |
| Grundlagen der Betriebswirtschaftslehre II | ausreichend (3,7)  | 5                    |
| Rechnungswesen I                           | ausreichend (4,0)  | 5                    |
| Rechnungswesen II                          | gut (2,0)          | 3                    |
| Controlling                                | befriedigend (3,3) | 5                    |
| Wirtschaftsmathematik                      | ausreichend (4,0)  | 5                    |
| Mathematik                                 | ausreichend (3,7)  | 3                    |
| Statistik                                  | ausreichend (4,0)  | 3                    |
| Business English I                         | befriedigend (3,0) | 3                    |

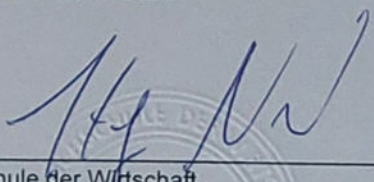
|                                     |                    |            |
|-------------------------------------|--------------------|------------|
| Business English II                 | befriedigend (3,3) | 3          |
| Business English III                | ausreichend (3,7)  | 3          |
| Business English IV                 | ausreichend (4,0)  | 3          |
| Business English V                  | befriedigend (3,3) | 3          |
| Betriebliche Informationssysteme    | ausreichend (4,0)  | 3          |
| Geschäftsprozessmodellierung        | ausreichend (4,0)  | 3          |
| Unternehmensgründung                | befriedigend (3,0) | 6          |
| Unternehmensführung                 | befriedigend (3,0) | 5          |
| Wirtschaftsrecht                    | ausreichend (4,0)  | 6          |
| Materialwirtschaft/Logistik         | gut (2,0)          | 8          |
| Marketing                           | befriedigend (2,7) | 5          |
| Human Resource Management           | befriedigend (3,0) | 3          |
| Volkswirtschaftslehre               | ausreichend (4,0)  | 5          |
| Arbeitsmethodik und Präsentation    | befriedigend (3,0) | 3          |
| Projektmanagement                   | ausreichend (4,0)  | 3          |
| Seminar Wissenschaftliches Arbeiten | befriedigend (3,3) | 3          |
| Praxisarbeit                        | gut (2,3)          | 11         |
| Praxisphase                         | bestanden          | 5          |
| Praxisphase                         | bestanden          | 8          |
| Bachelor-Thesis                     | befriedigend (2,8) | 12         |
| Kolloquium                          | befriedigend (2,7) | 3          |
| <b>Summe der Credit Points:</b>     |                    | <b>180</b> |

### Bachelor-Thesis mit Kolloquium über das Thema

Strategieentwicklung eine B2B-Portals der Firma Falke KGaA

Beurteilung: befriedigend (2,8)

Paderborn, 02.12.2013

  
 Fachhochschule der Wirtschaft

## Diploma Supplement

This Diploma Supplement Model was developed by the European Commission, Council of Europe and UNESCO/ CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

### 1. Holder of the Qualification

- 1.1 Family Name/ 1.2 First Name      Hülßenbeck, Sven
- 1.3 Date, Place      1986-09-23, Mainz
- 1.4 Student ID Number or Code      1016829

### 2. Qualification

- 2.1 Name of Qualification      Bachelor of Science – B.Sc.
- 2.2 Title Conferred      non applicable
- 2.3 Main Field(s) of Study      Business Informatics
- 2.4 Institution Awarding the Qualification      Fachhochschule der Wirtschaft (FHDW)
- 2.5 Status (Type/ Control)      University of Applied Sciences, state accredited
- 2.6 Institution Administering Studies      as above
- 2.7 Status (Type/ Control)      as above
- 2.8 Language(s) of Instruction/ Examination      German

## Diploma Supplement

### 3. Level of the Qualification

#### 3.1 Level

First degree by coursework and thesis

#### 3.2 Official Length of Program

36 months, 180 ECTS

#### 3.3 Access Requirements

General Higher Education Entrance Qualification (HEEQ) or HEEQ for UAS cf. Sec. 8.7, or equivalent

### 4. Contents and Results gained

#### 4.1 Mode of Study

Full-Time

#### 4.2 Program Requirements

The studies in Business Informatics are based on science and relate theoretical knowledge to practical business. The studies lead to a bachelor degree (Bachelor of Science) and enable students to act independently in their professional environment and to acquire further academic qualifications in postgraduate studies. In a structured and modular study course, the students acquire a broad knowledge in the field of Business Informatics and take key qualifications into account. Thus, they are enabled to develop and to apply operational information systems and to cope with application development tasks.

The studies impart the necessary essential expertise and method competence and train constructive critical and cross-functional thinking. Both elements form indispensable experiences that the students already acquire during their studies and that foster a holistic and sustainable education.

The studies contain a mandatory specialization within the field of business management that leads to an additional qualification.

Students gain insight into business knowledge relevant to the profession of an information scientist and are prepared ideally for organisational tasks in the controlling or materials management division. For this purpose, the modules "Controlling", "Marketing" and "Materials Management/ Logistics" are integrated into the studies.

The continuous development of key qualifications during the studies completes the general education in Business Informatics with qualifications that are – in addition to the imparted core competencies in Business Informatics – important for professional success. The students increase and improve their English language skills during the whole studies. Furthermore, they acquire competencies in the areas of individual work organization and presentation. Thus, the studies contribute to a completed personality development in addition to furthering a general expert profile. Through practical project work, seminar papers and particularly the Bachelor-Thesis which is usually completed in a company, the students gain decision-making competence on the basis of acquired skills and abilities.

## Diploma Supplement

### 4.3 Program Details

See "Bachelor Zeugnis" for list of courses and grades as well as topic of thesis and evaluations.

### 4.4 Grading Scheme

General grading scheme cf. Sec. 8.6

### 4.5 Overall Classification

befriedigend (3,1)

Based on: see "Prüfungsordnung" (examination regulations)

## 5. Function of the Qualification

### 5.1 Access to Further Study

Qualifies to apply for admission for graduate studies and graduate degree programs.

### 5.2 Professional Status

The study goal is imparted in a consensus of all lecturers that emphasizes the importance of being performance-oriented and thinking in an entrepreneurial way. Thus, the studies ensure the students' professional and personal success as well as the development of a sense of responsibility.

Graduates are qualified to develop and to apply operational information systems and to manage small and medium-sized projects.

## 6. Additional Information

### 6.1 Additional Information

The studies are organized in a dual structure. Fundamental theoretical training at the University and practical experience in companies alternate regularly.

### 6.2 Further Information Sources

On the institution: [www.fhdw.de](http://www.fhdw.de)

National information sources cf. Sec. 8.8

## 7. Certification

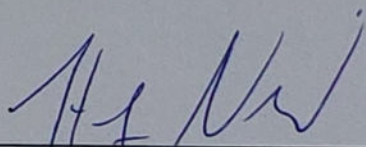
This Diploma Supplement relates to the following original documents:

Bachelor Urkunde

Bachelor Zeugnis

2013-12-02

Certification Date

  
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Fachhochschule der Wirtschaft

## 8. National Higher Education System

The information on the national higher education system on the following pages provides a context for the qualification and the type of higher education that awarded it.

## Diploma Supplement

### 8. Information on the German Higher Educational System

#### 8.1 Types of Institutes and Institutional Control

Higher education (HE) studies in Germany are offered at three types of *Hochschulen*:

- *Universitäten* (Universities), including various specialized institutions, comprise the whole range of academic disciplines. In the German tradition, universities are also institutional foci of, in particular, basic research, so that advanced stages of study have strong theoretical orientations and research-oriented components.
- *Fachhochschulen* (Universities of Applied Sciences): Programs concentrate on engineering and other technical disciplines, business-related studies, social work, and design areas. The common mission of applied research and development implies a distinct application-oriented focus and professional character of studies, which include one or two semesters of integrated and supervised work assignments in industry, enterprises or other relevant institutions.
- *Kunst- und Musikhochschulen* (Colleges of Art/ Music, etc.) offer graduate studies for artistic careers in fine arts, performing arts and music; in such fields as directing, production, writing in theatre, film, and other media; and in a variety of design areas, architecture, media and communication.

HE institutions are either state or state-recognized institutions. In their operations, including the organization of studies and the designation and award of degrees, they are both subject to HE legislation.

#### 8.2 Types of Programs and Degrees Awarded

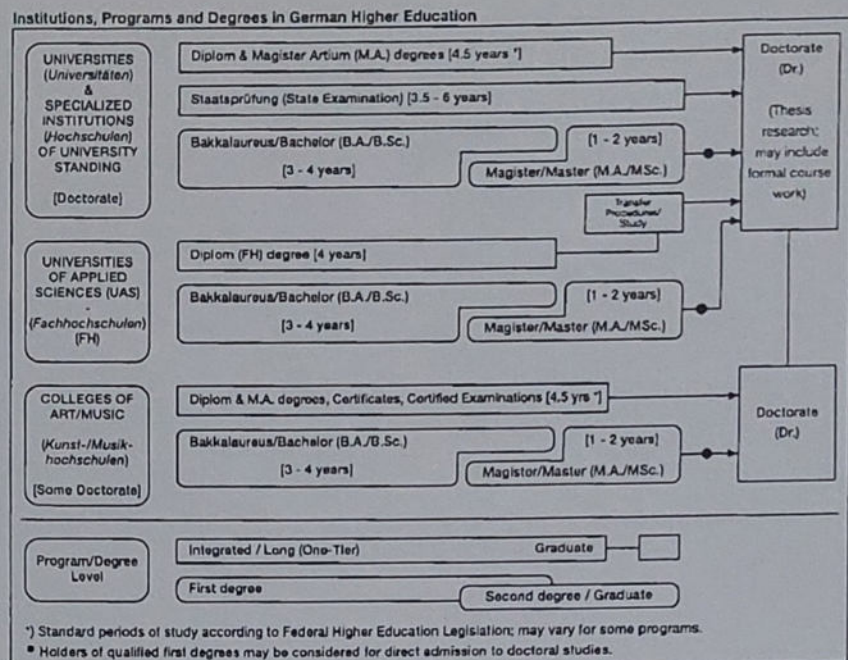
- Studies in all three types of institutions are traditionally offered in integrated "long" (one-tier) programs leading to *Diplom-* or *Magister Artium* degrees or completed by a *Staatsprüfung* (State Examination).
- In 1998, a new scheme of first- and second-level degree programs (*Bakkalaureus/ Bachelor* and *Magister/ Master*) was introduced to be offered parallel to or in lieu of established integrated "long" programs. While these programs are designed to provide enlarged variety and flexibility to students in planning and pursuing educational objectives, they also enhance international comparability of studies.
- For details cf. Sec. 8.41 and Sec. 8.42, respectively Table 1 provides a synoptic summary.

#### 8.3 Approval/ Accreditation of Programs and Degrees

To ensure quality and comparability of qualifications, the organization of studies and general degree requirements have to conform to principles and regulations jointly established by the Standing Conference of Ministers of Education and Cultural Affairs of the *Länder* in the Federal Republic of Germany (KMK) and the Association of German Universities and other Higher Education Institutions (HRK). In 1999, a system of accreditation for programs of study has become operational under the control of an Accreditation Council at national level. Programs and qualifications accredited under this scheme are designated accordingly in the Diploma Supplement.

## Diploma Supplement

**Table 1: Institutions, Programs and Degrees in German Higher Education**



### 8.4 Organization of Studies

#### 8.41 Integrated "Long" Programs (One-Tier): Diplom degrees, Magister Artium, Staatsprüfung

Studies are either mono-disciplinary (single subject, *Diplom* degrees, most programs completed by a *Staatsprüfung*) or comprise a combination of either two major or one major and two minor fields (*Magister Artium*). As common characteristics, in the absence of intermediate (first-level) degrees, studies are divided into two stages. The first stage (1.5 to 2 years) focuses – without any components of general education – on broad orientations and foundations of the field(s) of study including propaedeutical subjects. An Intermediate Examination (*Diplom-Vorprüfung* for *Diplom* degrees; *Zwischenprüfung* or credit requirements for the M.A.) is prerequisite to enter the second stage of advanced studies and specializations. Degree requirements always include submission of a thesis (up to 6 months duration) and comprehensive final written and oral examinations. Similar regulations apply to studies leading to a *Staatsprüfung*.

- Studies at *Universities* usually last 4.5 years (*Diplom* degree, *Magister Artium*) or 3.5 to 6 years (*Staatsprüfung*). The *Diplom* degree is awarded in engineering disciplines, the exact/ natural and economic sciences. In the humanities, the corresponding degree is usually the *Magister Artium* (M.A.). In the social sciences, the practice varies as a matter of institutional traditions. Studies preparing for the legal, medical, pharmaceutical and teaching professions are completed by a *Staatsprüfung*. The three qualifications are academically equivalent. As the final (and only) degrees offered in these programs at graduate-level, they qualify to apply for admission to doctoral studies, cf. Sec. 8.5.
- Studies at *Fachhochschulen* (FH)/ *Universities of Applied Sciences* (UAS) last 4 years and lead to a *Diplom* (FH) degree. While the FH/ UAS are non-doctorate granting institutions, qualified graduates may pursue doctoral work at doctorate-granting institutions, cf. Sec. 8.5.

## Diploma Supplement

### 8.41 Integrated "Long" Programs (One-Tier): Diplom degrees, Magister Artium, Staatsprüfung

- Studies at *Kunst- und Musikhochschulen* (Colleges of Art/ Music, etc.) are more flexible in their organization, depending on the field and individual objectives. In addition to *Diplom/ Magister* degrees, awards include Certificates and Certified Examinations for specialized areas and professional purposes.

### 8.42 First/ Second Degree (Two-Tier): Bakkalaureus/ Bachelor degrees, Magister/ Master degrees

These programs apply to all three types of institutions. Their organization makes use of credit point systems and modular components. First degree programs (3 to 4 years) lead to *Bakkalaureus/ Bachelor* degrees (B.A., B.Sc.). Graduate second degree programs (1 to 2 years) lead to *Magister/ Master* degrees (M.A., M.Sc.). Both may be awarded form to indicate particular specializations or applied/ professional orientations (B./M. of ...; B.A., B.Sc. or M.A., M.Sc. in ...). All degrees include a thesis requirement.

### 8.5 Doctorate

Universities, most specialized institutions and some Colleges of Art/ Music are doctorate-granting institutions. Formal prerequisite for admission to doctoral work is a qualified *Diplom* or *Magister/ Master* degree, a *Staatsprüfung*, or a foreign equivalent. Admission further requires the acceptance of the Dissertation research project by a supervisor. Holders of a qualified *Diplom (FH)* degree or other first degrees may be admitted for doctoral studies with specified additional requirements.

### 8.6 Grading Scheme

The grading scheme usually comprises five levels (with numerical equivalents; intermediate grades may be given): "*Sehr Gut*" (1) = Very Good; "*Gut*" (2) = Good; "*Befriedigend*" (3) = Satisfactory; "*Ausreichend*" (4) = Sufficient; "*Nicht ausreichend*" (5) = Non-Sufficient/ Fail. The minimum passing grade is "*Ausreichend*" (4). Verbal designations of grades may vary in some cases and for doctoral degrees. Some institutions may also use the ECTS grading scheme.

### 8.7 Access to Higher Education

The General Higher Education Entrance Qualification (*Allgemeine Hochschulreife, Abitur*) after 12 to 13 years of schooling gives access to all higher education studies. Specialized variants (*Fachgebundene Hochschulreife*) allow for admission for particular disciplines. Access to *Fachhochschulen/ (UAS)* is also possible after 12 years (*Fachhochschulreife*). Admission to Colleges of Art/ Music may be based on other or require additional evidence demonstrating individual aptitude.

### 8.8 National Sources of Information

- *Kultusministerkonferenz (KMK)* [Standing Conference of Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany] – Lennéstraße 6, D-53113 Bonn; Fax: +49/[0]228/501-229; with
  - Central Office for Foreign Education (ZaB) as German NARIC and ENIC; [www.kmk.org](http://www.kmk.org); E-Mail: [zab@kmk.org](mailto:zab@kmk.org)
  - "Documentation and Educational Information Service" as German EURYDICE-Unit, providing the national dossier on the education system (EURYBASE, annual update, [www.eurydice.org](http://www.eurydice.org); E-Mail: [eurydice@kmk.org](mailto:eurydice@kmk.org)).
- *Hochschulrektorenkonferenz (HRK)* [Association of German Universities and other Higher Education Institutions]. Its "Higher Education Compass" ([www.higher-education-compass.hrk.de](http://www.higher-education-compass.hrk.de)) features comprehensive information and institutions, programs of study, etc. Ahrstraße 39, D-53175 Bonn; Fax: +49/[0]228/887-210; E-Mail: [sekr@hrk.de](mailto:sekr@hrk.de)