

Diploma Supplement Bachelor

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES.

1 Information identifying the holder of the qualification

1.1 Family name(s)

1.2 Given name(s)

1.3 Date of birth

1.4 Student matriculation number

2 Information identifying the qualification

2.1 Name of qualification Bachelor of Engineering (B.Eng.)

2.2 Main field(s) of study for the qualification Transport Engineering and Logistics Management

2.3 Name and status of awarding institution *) Hochschule Bremerhaven, University of Applied Sciences

2.4 Name and status of institution administering studies *) Hochschule Bremerhaven, University of Applied Sciences, Fachbereich/Department 2

2.5 Language(s) of instruction and examination German (80%), English (20%)

3 Information on the level of the qualification

3.1 Level of qualification Undergraduate/First Degree
[ISCED 5 – Programm at the tertiary level equivalent to the university programmes]

3.2 Official length of program 3 years, 180 Credit Points (5400 hours of taught courses and self-study)

3.3 Access requirement(s) Higher Education Entrance Qualification (Fachhochschulreife) or General/Specialized Higher Education Entrance Qualification (Hochschulreife), advanced English and German language skills (DaF oder DSH certificates).

4 Information on the contents and results gained

4.1 Mode of study full-time, 3 years

4.2 Program requirements

The program provides comprehensive education towards career objectives in the wide and rapidly changing field of Material Transport and Logistics.

The programme requires students to

1. Pass examinations in all 30 modules (150 credit points in total),
2. Complete a 10-week educational internship with a company or an organisation which is working in the fields of Transport or Logistics and to write a detailed account of the work experience and the main subjects, an additional short oral report on it with an open discussion. (20 credit points)
3. Submit, present and defend a Bachelor report (10 credit points, including a supporting course about demanding project-management and scientific reports).

4.3 Program details) See grade transcript for list of attended courses, acquired grades and topic of thesis.

4.4 Grading scheme, grade translation and grade distribution guidance	German grades	German text	Description
	1	<i>sehr gut</i>	Very Good – outstanding performance
	2	<i>gut</i>	Good – above the average standards
	3	<i>befriedigend</i>	Satisfactory – meets the average standards
	4	<i>ausreichend</i>	Sufficient – performance meets the minimum criteria
	5	<i>nicht ausreichend</i>	Fail – Further work is required

ECTS grade: excellent: A, very good: B, good: C, satisfactory: D, sufficient: E

4.5 Overall classification of the qualification

5 Information on the function of the qualification

5.1 Access to further study Qualifies to apply for admission for graduate study programmes (Magister/Master). Access to doctoral level study and research may be granted by receiving university.

5.2 Professional status conferred Engineer

6 Additional information

6.1 Further information sources See: www.hs-bremerhaven.de

7 Certification of the supplement

This diploma supplement refers to the following original documents:

- Bachelor-Urkunde/Certificate vom (Datum)
- Zeugnis/Grade-Transcript vom (Datum)

- 7.1 **Date**
- 7.2 **Signature / name**
- 7.3 **Capacity**
- 7.4 **Official stamp**

8. Information on the national higher education system: Germany

The following text is officially approved by the Kultusministerkonferenz (KMK) and the Hochschulrektorenkonferenz (HRK) as the description of the German higher education system with the sections:

- Types of Institutions and Institutional Control
- Types of programmes and degrees awarded
- Approval/Accreditation of Programmes and Degrees
- Organisation of Studies
- Integrated "Long" Programmes (One-Tier)
- First/Second Degree Programmes (Two-Tier)
- Doctorate
- Grading Scheme
- Access to Higher Education
- National Sources of Information

8.1 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 (DSDoc 01/03.00).

8. INFORMATION ON THE GERMAN HIGHER EDUCATION SYSTEM¹

8.1. Types of Institutions and Institutional Control

Higher education (HE) studies in Germany are offered at three types of *Hochschulen*²

- *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 in 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.

¹ The information covers only aspects directly relevant to purposes of the Diploma Supplement. All Information as of 1 Jan 2000.

² Hochschule is the generic term for higher education institutions.

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.

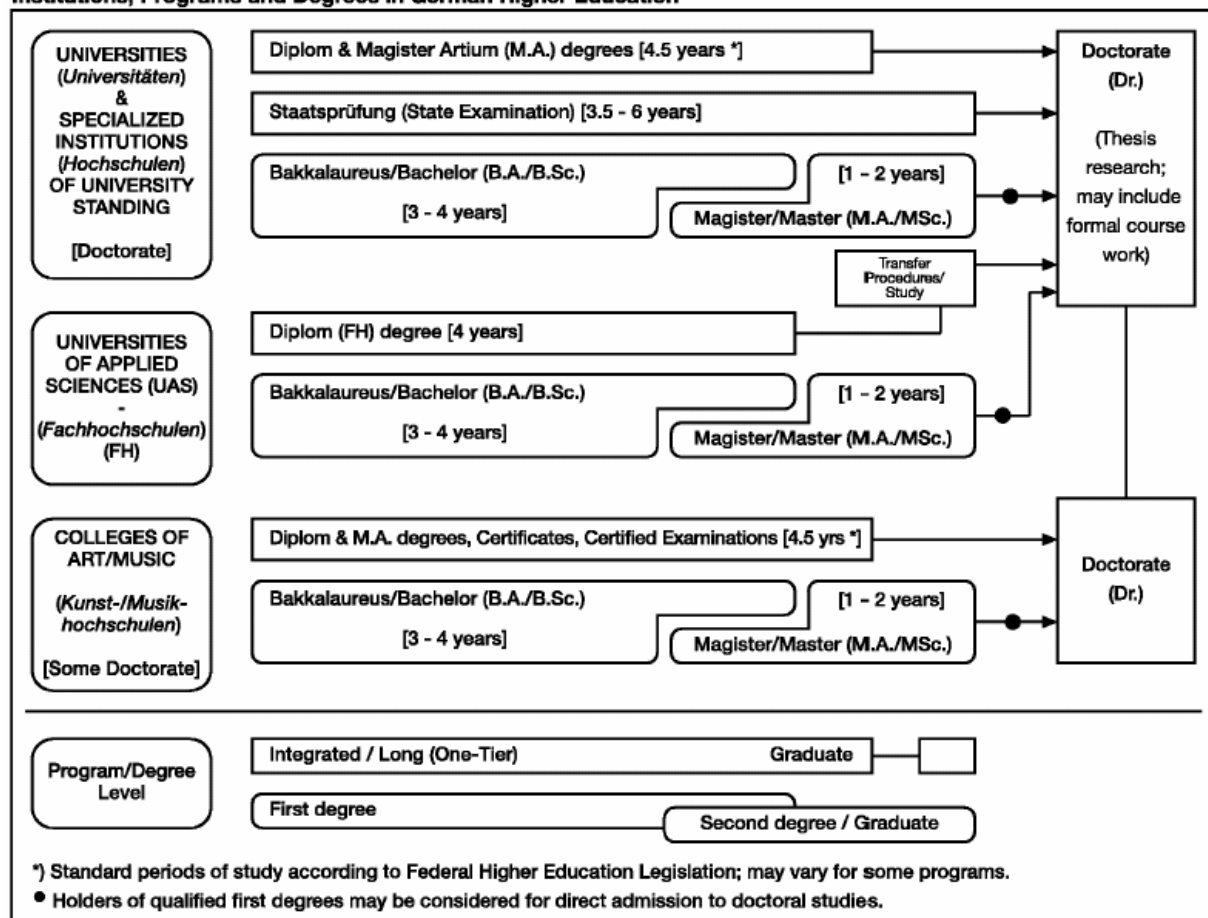
8.2 Types of programs and degrees awarded

- Studies in all three types of institutions are traditionally offered in integrated "long" (one-tier) programs leading to *Diplom-* or *Magister Artium* degrees or completion 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 enhance also international compatibility 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

Institutions, Programs and Degrees in German Higher Education



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.

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* last usually 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.
- Studies at *Kunst- and 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 Programs (Two-tier):

Bakkalaureus/Bachelor, 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 in dedicated 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 to 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; E-Mail: 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; E-Mail eurydice@kmk.org).
- *Hochschulrektorenkonferenz* (HRK) [Association of German Universities and other Higher Education Institutions]. Its "Higher Education Compass" (www.higher-education-compass.hrk.de) features comprehensive information on institutions, programs of study, etc. Ahrstrasse 39, D-53175 Bonn; Fax: +49/[0]228 / 887-210; E-Mail: sekr@hrk.de

