# Bachelor-Zeugnis

Robert Wodara,

geboren am 20. Januar 1991 in Berlin,
hat die Abschlussprüfung im akkreditierten
Bachelorstudiengang

Technische Informatik – Embedded Systems

des Fachbereichs VI
Informatik und Medien
der Berliner Hochschule für Technik
mit dem Gesamtprädikat

befriedigend

bestanden.

Die Beurteilungen der einzelnen Module sind auf der Rückseite aufgeführt.
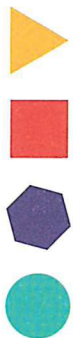
Robert Wodara geboren am 20. Januar 1991 in Berlin

Die Leistungen in den Modulen werden wie folgt beurteilt:	Beurteilung	Credits
Mathematik I	ausreichend	5,0
Informatik I	gut	5,0
Grundlagen digitaler Systeme	ausreichend	5,0
Elektrische Systeme I	ausreichend	5,0
Physik	sehr gut	5,0
Präsentationstechnik	sehr gut	5,0
Mathematik II	ausreichend	5,0
Informatik II	ausreichend	5,0
Digitaltechnik	sehr gut	5,0
Elektrische Systeme II	ausreichend	5,0
Elektrische Messtechnik	ausreichend	5,0
Mathematik III	befriedigend	5,0
Informatik III	ausreichend	5,0
Rechnerarchitektur und -organisation	gut	5,0
Analoge Elektronik	gut	5,0
Systemprogrammierung	ausreichend	5,0
Maschinenorientierte Programmierung	befriedigend	5,0
Systemtheorie	ausreichend	5,0
Software Engineering I	gut	5,0
Mikrocomputertechnik	befriedigend	5,0
Datenbanksysteme	befriedigend	5,0
Echtzeitsysteme	befriedigend	5,0
Verteilte Systeme	sehr gut	5,0
Projektmanagement	befriedigend	5,0
Software Engineering II	befriedigend	5,0
Wissenschaftlich begleitete Praxisphase	mit Erfolg	20,0
Programmierbare Logik	sehr gut	5,0
Aktorik und Sensorik	befriedigend	5,0
Regelungstechnik	befriedigend	5,0
Web-Programmierung	ausreichend	5,0

Wahlpflichtmodule

Compilerbau	gut	5,0
Embedded Web	gut	5,0
IT-Sicherheit	ausreichend	5,0
Kanal- und Quellencodierung	sehr gut	5,0
Robotertechnik	sehr gut	5,0

Studium Generale

Geschichte der Medien	gut	2,5
Technikphilosophie	gut	2,5

Thema der Abschlussarbeit Entwicklung eines Systems zum Ausschneiden von geometrischen Figuren auf Basis einer fotografischen Erfassung

Beurteilung der Abschlussarbeit	befriedigend	12,0
Beurteilung der mündlichen Prüfung	befriedigend	3,0

Berlin, 06. Juli 2023

(Siegel) Berliner Hochschule für Technik 2

Die Dekanin

Mögliche Leistungsbeurteilungen:	sehr gut, gut, befriedigend, ausreichend; mit Erfolg
Mögliche Gesamtprädikate:	sehr gut mit Auszeichnung, sehr gut, gut, befriedigend, ausreichend

* = extern erbracht; *ggf. Originaltitel*

Academic Transcript - Bachelor's Degree

Robert Wodara,

born on 20 January 1991 in Berlin,
has successfully completed the accredited
Bachelor's degree programme

Technical Computer Science –
Embedded Systems

in Department VI
Information Technology and Media
at Berliner Hochschule für Technik
with the following overall grade:

satisfactory

The grade of each module is listed on the reverse side.
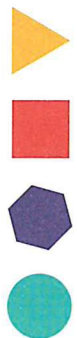
Robert Wodara born on 20 January 1991 in Berlin

Listed below are the grades earned in each module:	Grading	Credits
Mathematics 1	sufficient	5,0
Informatics 1	good	5,0
Principles of Digital Systems	sufficient	5,0
Electrical Systems 1	sufficient	5,0
Physics	very good	5,0
Presentation und Communication	very good	5,0
Mathematics 2	sufficient	5,0
Informatics 2	sufficient	5,0
Digital Design	very good	5,0
Electrical Systems 2	sufficient	5,0
Electrical Measurement	sufficient	5,0
Mathematics 3	satisfactory	5,0
Informatics 3	sufficient	5,0
Computer Architecture and Organisation	good	5,0
Analogue Electronics	good	5,0
Systems Programming	sufficient	5,0
Assembler Programming	satisfactory	5,0
Systems Theory	sufficient	5,0
Software Engineering 1	good	5,0
Micro Computer Applications	satisfactory	5,0
Database Systems	satisfactory	5,0
Real Time Operating Systems	satisfactory	5,0
Distributed Systems	very good	5,0
Project Management	satisfactory	5,0
Software Engineering 2	satisfactory	5,0
Scientifically Accompanied Internship	successful	20,0
Programmable Logic	very good	5,0
Actuators and Sensors	satisfactory	5,0
Control Systems Design	satisfactory	5,0
Web Programming	sufficient	5,0

Required Elective Modules

	Grading	Credits
Compiler Design	good	5,0
Embedded Web	good	5,0
IT Security	sufficient	5,0
Channel and Source Coding	very good	5,0
Robotics	very good	5,0

General Studies

	Grading	Credits
History of the Media	good	2,5
Philosophy of Technology	good	2,5

Topic of the Bachelor's thesis Entwicklung eines Systems zum Ausschneiden von geometrischen Figuren auf Basis einer fotografischen Erfassung

	Grading	Credits
Grade of the Bachelor's thesis	satisfactory	12,0
Grade of the oral final examination	satisfactory	3,0

Berlin, 06 July 2023

(Seal) Berliner Hochschule für Technik 2

Dean

Possible grades for individual modules: very good, good, satisfactory, sufficient; successful

Possible overall grades: very good with distinction, very good, good, satisfactory, sufficient

* = external evaluation; *if necessary original title*

Urkunde

Robert Wodara,

geboren am 20. Januar 1991 in Berlin,
hat die Abschlussprüfung im akkreditierten Bachelorstudiengang

Technische Informatik – Embedded Systems

des Fachbereichs VI – Informatik und Medien erfolgreich abgelegt.

Aufgrund dessen wird der akademische Grad
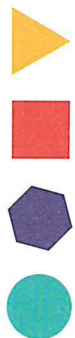
Bachelor of Engineering (B.Eng.)

verliehen.

Berlin, 06. Juli 2023

(Prägesiegel)   Der Präsident

Diese Urkunde wurde auch in englischer Sprache ausgefertigt.

Diploma

Robert Wodara,

born on 20 January 1991 in Berlin,
has successfully completed the accredited Bachelor's degree programme

Technical Computer Science – Embedded Systems

in Department VI – Information Technology and Media

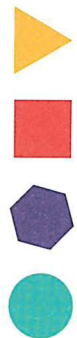Thereupon the following academic degree is awarded:

Bachelor of Engineering (B.Eng.)

Berlin, 06 July 2023

(Embossed seal)   The President

This diploma has also been issued in German.

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.

B/HT

Berliner Hochschule für Technik

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1 Family name(s) / First name(s)

Wodara / Robert

1.2 Date of Birth (dd/mm/yyyy)

20/01/1991

1.3 Student identification number or code (if applicable)

794422

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of qualification and (if applicable) title conferred (in original language)

Bachelor of Engineering (B.Eng.)

2.2 Main field(s) of study for the qualification

Technical Computer Science – Embedded Systems

2.3 Name and status of awarding institution (in original language)

Berliner Hochschule für Technik
University of Applied Sciences (UAS),
State Institution (cf. Section 8.1)

2.4 Name and status of institution (if different from 2.3) administering studies (in original language)

Studiere Zukunft

2.5 Language(s) of instruction/examination

German

3.0 INFORMATION ON THE LEVEL AND DURATION OF THE QUALIFICATION

3.1 Level of the qualification

Level 6 German Qualifications Framework (DQR)
Level 6 European Qualifications Framework (EQF)
Level 1 German Qualifications Framework for Higher Education Qualifications
(HQR) (cf. Section 8.2 and 8.4.1)

3.2 Official duration of programme in credits and/or years

210 credits / 3.5 years

3.3 Access requirement(s)

Higher Education Entrance Qualification (HEEQ):
General HEEQ or
specialized HEEQ or HEEQ for UAS (cf. Section 8.7) or foreign equivalent.

4. INFORMATION ON THE PROGRAMME COMPLETED AND THE RESULTS OBTAINED

4.1 Mode of study

Full-time

4.2 Programme learning outcomes

The bachelor programme "Technical Computer Science – Embedded Systems"
represents a combination of the two traditional areas computer and data science
and electrical engineering. Since it provides specific knowledge of both fields the
programme meets the growing demand of embedded systems specialists at the
border of computer engineering, informatics and electrical engineering and in
many different industrial areas. Alumni are enabled to acquire and solve
autonomously problems by interdisciplinary and method-oriented learning. The
typical profession is the development, configuration and work at collaborating
software/hardware systems, information and data processing systems. The first
three semesters of the programme mainly consist of mandatory modules
addressing fundamental topics in mathematics and physics (40 credit points),
electrical systems engineering (15 Credit Points) and digital systems design (15
credit points). The second part lasts four semesters and offers the opportunity to
achieve special skills in certain engineering fields. Besides further mandatory
modules (80 credit points) students have to choose five required-elective modules
(25 credit points) from a catalogue focusing on software, electrical engineering
and hardware-accelerated computer systems. The fifth semester incorporates a

three months industrial internship (20 credit points). The last semester ends with the oral final examination of the bachelor's thesis (3 plus 12 credit points).

4.3 Programme details, individual credits gained and grades/marks obtained

For individual units completed, gained credits and grades as well as the title of the Thesis see Academic Transcript. Other individual information such as mobility periods abroad, work placements, voluntary work etc. is not centrally recorded and can therefore not be included in this Diploma Supplement.

4.4 Grading system and, if available, grade distribution table

General Grading Scheme, cf. Section 8.6

4.5 Overall classification of the qualification (in original language)

befriedigend

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study

Qualifies to apply for admission to Master's degree programmes

5.2 Access to a regulated profession (if applicable)

The B.Eng. degree in "Technical Computer Science – Embedded Systems" entitles its holder to the legally protected professional title "Bachelor of Engineering" and enables him to exercise professional work in the field of Information Technology and Computer Engineering for which the degree was awarded. The B.Eng. degree entitles for application for master courses/graduate studies.

6. ADDITIONAL INFORMATION

6.1 Additional Information

Individual learning achievements gained outside of the programme are not centrally recorded and can there-fore not be included in this Diploma Supplement.

6.2 Further information sources

On the institution: www.bht-berlin.de
For national information sources cf. section 8.8

7. CERTIFICATION

This Diploma Supplement refers to the following original documents:

Diploma 06/07/2023

Academic Transcript 06/07/2023

Certification Date: 06/07/2023

Berliner Hochschule für Technik
Fachbereich VI
Luxemburger Straße 10
13353 Berlin
fb6@bht-berlin.de
(Official Stamp/Seal)

Chairwoman/Chairman Examination Committee

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 institution that awarded it.

8.4 Organisation and Structure of Studies

The following programmes apply to all three types of institutions. Bachelor's and Master's study programmes may be studied consecutively, at various higher education institutions, at different types of higher education institutions and with phases of professional work between the first and the second qualification. The organisation of the study programmes makes use of modular components and of the European Credit Transfer and Accumulation System (ECTS) with 30 credits corresponding to one semester.

8.4.1 Bachelor

Bachelor's degree programmes lay the academic foundations, provide methodological competences and include skills related to the professional field. The Bachelor's degree is awarded after 3 to 4 years.
The Bachelor's degree programme includes a thesis requirement. Study programmes leading to the Bachelor's degree must be accredited according to the Interstate study accreditation treaty.[8]
First degree programmes (Bachelor) lead to Bachelor of Arts (B.A.), Bachelor of Science (B.Sc.), Bachelor of Engineering (B.Eng.), Bachelor of Laws (LL.B.), Bachelor of Fine Arts (B.F.A.), Bachelor of Music (B.Mus.) or Bachelor of Education (B.Ed.).
The Bachelor's degree corresponds to level 6 of the German Qualifications Framework/ European Qualifications Framework.

8.4.2 Master

Master is the second degree after another 1 to 2 years. Master's programmes may be differentiated by the profile types "practice-oriented" and "research-oriented". Higher Education Institutions define the profile.
The Master's degree programme includes a thesis requirement. Study programmes leading to the Master's degree must be accredited according to the Interstate study accreditation treaty.[9]
Second degree programmes (Master) lead to Master of Arts (M.A.), Master of Science (M.Sc.), Master of Engineering (M.Eng.), Master of Laws (L.L.M.), Master of Fine Arts (M.F.A.), Master of Music (M.Mus.) or Master of Education (M.Ed.). Master´s programmes which are designed for continuing education may carry other designations (e.g. MBA).
The Master's degree corresponds to level 7 of the German Qualifications Framework/ European Qualifications Framework.

8.4.3 Integrated "Long" Programmes (One-Tier): Diplom degrees, Magister Artium, Staatsprüfung

An integrated study programme is either mono-disciplinary (Diplom degrees, most programmes completed by a Staatsprüfung) or comprises a combination of either two major or one major and two minor fields (Magister Artium). The first stage (1.5 to 2 years) focuses on broad orientations and foundations of the field(s) of study. An Intermediate Examination (Diplom-Vorprüfung for Diplom degrees; Zwischenprüfung or credit requirements for the Magister Artium) is prerequisite to enter the second stage of advanced studies and specialisations. Degree requirements 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. The level of qualification is equivalent to the Master's level.

- Integrated studies at Universitäten (U) last 4 to 5 years (Diplom degree, Magister Artium) or 3.5 to 6.5 years (Staatsprüfung). The Diplom degree is awarded in engineering disciplines, the natural sciences as well as economics and business. 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 and pharmaceutical professions are completed by a Staatsprüfung. This applies also to studies preparing for teaching professions of some Länder.
The three qualifications (Diplom, Magister Artium and Staatsprüfung) are academically equivalent and correspond to level 7 of the German Qualifications Framework/European Qualifications Framework.
They qualify to apply for admission to doctoral studies. Further prerequisites for admission may be defined by the Higher Education Institution, cf. Sec. 8.5.

- Integrated studies at Fachhochschulen (FH)/Hochschulen für Angewandte Wissenschaften (HAW) (Universities of Applied Sciences, UAS) last 4 years and lead to a Diplom (FH) degree which corresponds to level 6 of the German Qualifications Framework/European Qualifications Framework.
Qualified graduates of FH/HAW/UAS may apply for admission to doctoral studies at doctorate-granting institutions, cf. Sec. 8.5.

- Studies at Kunst- and Musikhochschulen (Universities of Art/Music etc.) are more diverse in their organisation, depending on the field and individual objectives. In addition to Diplom/Magister degrees, the integrated study programme awards include certificates and certified examinations for specialised areas and professional purposes.

8.5 Doctorate

Universities as well as specialised institutions of university standing, some of the FH/HAW/UAS and some Universities of Art/Music are doctorate-granting institutions. Formal prerequisite for admission to doctoral work is a qualified Master's degree (UAS and U), a Magister degree, a Diplom, a Staatsprüfung, or a foreign equivalent. Comparable degrees from universities of art and music can in exceptional cases (study programmes such as music theory, musicology, pedagogy of arts and music, media studies) also formally qualify for doctoral work. Particularly qualified holders of a Bachelor's degree or a Diplom (FH) degree may also be admitted to doctoral studies without acquisition of a further degree by means of a procedure to determine their aptitude. The universities respectively the doctorate-granting institutions regulate entry to a doctorate as well as the structure of
 the procedure to determine aptitude. Admission further requires the acceptance of the Dissertation research project by a professor as a supervisor.
The doctoral degree corresponds to level 8 of the German Qualifications Framework/ European Qualifications Framework.

8.6 Grading Scheme

The grading scheme in Germany 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.
In addition, grade distribution tables as described in the ECTS Users' Guide are used to indicate the relative distribution of grades within a reference group.

8.7 Access to Higher Education

The General Higher Education Entrance Qualification (Allgemeine Hochschulreife, Abitur) after 12 to 13 years of schooling allows for admission to all higher educational studies. Specialised variants (Fachgebundene Hochschulreife) allow for admission at Fachhochschulen (FH)/Hochschulen für Angewandte Wissenschaften (HAW) (UAS), universities and equivalent higher education institutions, but only in particular disciplines. Access to study programmes at Fachhochschulen (FH)/Hochschulen für Angewandte Wissenschaften (HAW) (UAS) is also possible with a Fachhochschulreife, which can usually be acquired after 12 years of schooling. Admission to study programmes at Universities of Art/Music and comparable study programmes at other higher education institutions as well as admission to a study programme in sports may be based on other or additional evidence demonstrating individual aptitude.
Applicants with a qualification in vocational education and training but without a school-based higher education entrance qualification are entitled to a general higher education entrance qualification and thus to access to all study programmes, provided they have obtained advanced further training certificates in particular state-regulated vocational fields (e.g. Meister/Meisterin im Handwerk, Industriemeister/in, Fachwirt/in (IHK), Betriebswirt/in (IHK) und (HWK), staatlich geprüfte/r Techniker/in, staatlich geprüfte/r Betriebswirt/in, staatlich geprüfte/r Gestalter/in, staatlich geprüfte/r Erzieher/in). Vocationally qualified applicants can obtain a Fachgebundene Hochschulreife after completing a state-regulated vocational education of at least two years' duration plus professional practice of normally at least three years' duration, after having successfully passed an aptitude test at a higher education institution or other state institution; the aptitude test may be replaced by successfully completed trial studies of at least one year's duration.[10]
Higher Education Institutions may in certain cases apply additional admission procedures.

8.8 National Sources of Information

- Kultusministerkonferenz (KMK) [Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany]; Graurheindorfer Str. 157, D-53117 Bonn;
Phone: +49[0]228/501-0; www.kmk.org; E-Mail: hochschulen@kmk.org
- Central Office for Foreign Education (ZAB) as German NARIC; www.kmk.org
; E-Mail: zab@kmk.org
- German information office of the Länder in the EURYDICE Network, providing the national dossier on the education system; www.kmk.org; E-Mail: Eurydice@kmk.org
- Hochschulrektorenkonferenz (HRK) [German Rectors' Conference]; Leipziger Platz 11, D-10117 Berlin, Phone: +49 30 206292-11; www.hrk.de; E-Mail: post@hrk.de
- "Higher Education Compass" of the German Rectors' Conference features comprehensive information on institutions, programmes of study, etc. (www.higher-education-compass.de)

8. INFORMATION ON THE GERMAN HIGHER EDUCATION SYSTEM[1]

8.1   Types of Institutions and Institutional Status

Higher education (HE) studies in Germany are offered at three types of Higher Education Institutions (HEI)[2].

- *Universitäten* (Universities) including various specialised institutions, offer the whole range of academic disciplines. In the German tradition, universities focus in particular on basic research so that advanced stages of study have mainly theoretical orientation and research-oriented components.

- *Fachhochschulen (FH)/Hochschulen für Angewandte Wissenschaften (HAW)* (Universities of Applied Sciences, UAS) concentrate their study programmes in engineering and other technical disciplines, business-related studies, social work, and design areas. The common mission of applied research and development implies an application-oriented focus of studies, which includes integrated and supervised work assignments in industry, enterprises or other relevant institutions.

- *Kunst- und Musikhochschulen* (Universities of Art/Music) offer 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.

Higher Education Institutions are either state or state-recognised institutions. In their operations, including the organisation of studies and the designation and award of degrees, they are both subject to higher education legislation.

8.2   Types of Programmes and Degrees Awarded

Studies in all three types of institutions have traditionally been offered in integrated "long" (one-tier) programmes leading to *Diplom-* or *Magister Artium* degrees or completed by a *Staatsprüfung* (State Examination).

Within the framework of the Bologna-Process one-tier study programmes are successively being replaced by a two-tier study system. Since 1998, two-tier degrees (Bachelor's and Master's) have been introduced in almost all study programmes. This change is designed to enlarge variety and flexibility for students in planning and pursuing educational objectives; it also enhances international compatibility of studies.

The German Qualifications Framework for Higher Education Qualifications (HQR)[3] describes the qualification levels as well as the resulting qualifications and competences of the graduates. The three levels of the HQR correspond to the levels 6, 7 and 8 of the German Qualifications Framework for Lifelong Learning[4] and the European Qualifications Framework for Lifelong Learning[5].

For details cf. Sec. 8.4.1, 8.4.2, and 8.4.3 respectively. Table 1 provides a synoptic summary.

8.3 Approval/Accreditation of Programmes and Degrees

To ensure quality and comparability of qualifications, the organisation of studies and general degree requirements have to conform to principles and regulations established by the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany (KMK).[6] In 1999, a system of accreditation for Bachelor's and Master's programmes has become operational. All new programmes have to be accredited under this scheme; after a successful accreditation they receive the seal of the Accreditation Council.[7]

Table 1: Institutions, Programmes and Degrees in German Higher Education
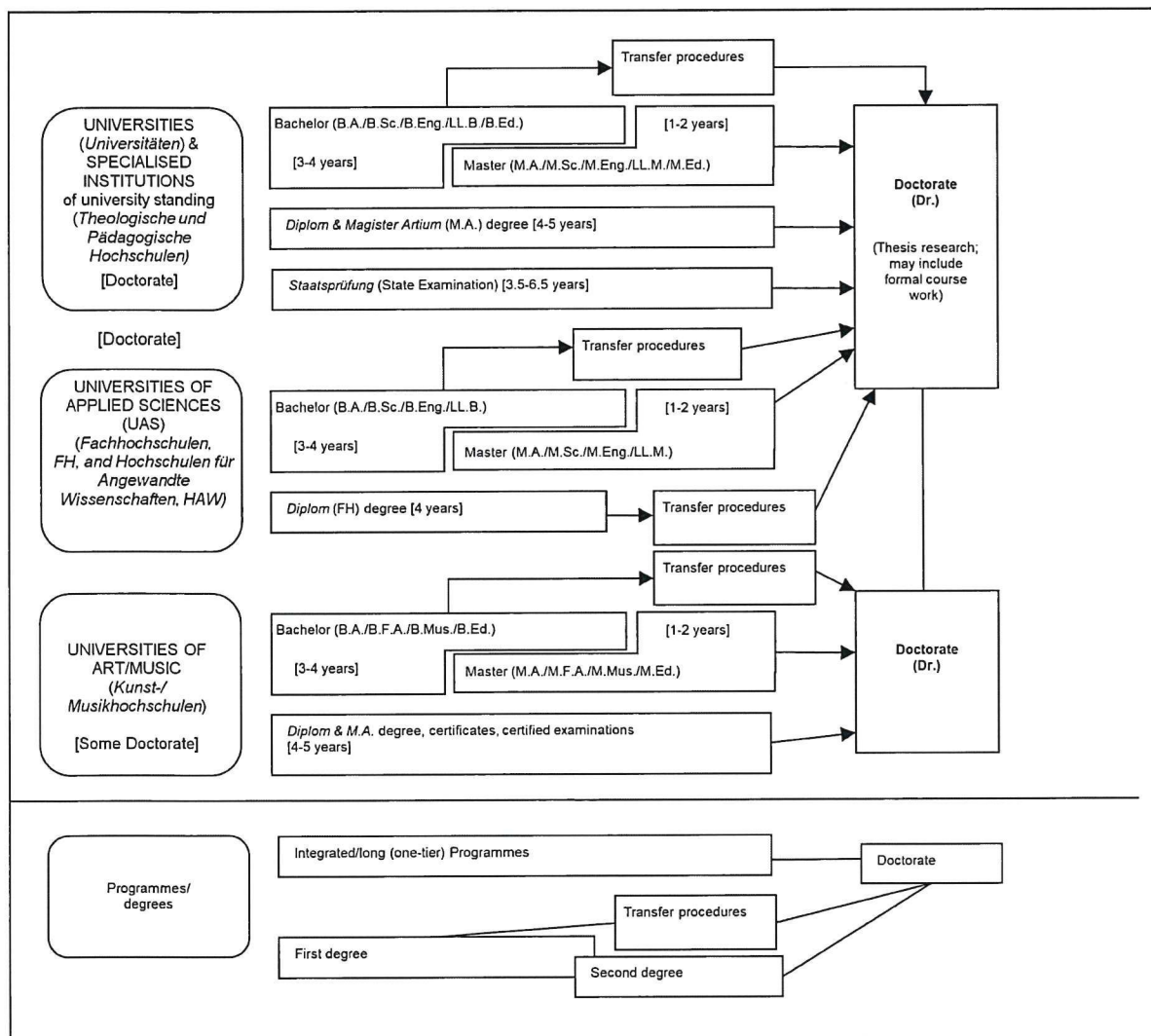
1. The information covers only aspects directly relevant to purposes of the Diploma Supplement.
2. *Berufsakademien* are not considered as Higher Education Institutions, they only exist in some of the Länder. They offer educational programmes in close cooperation with private companies. Students receive a formal degree and carry out an apprenticeship at the company. Some *Berufsakademien* offer Bachelor courses which are recognised as an academic degree if they are accredited by the Accreditation Council.
3. German Qualifications Framework for Higher Education Degrees. (Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany of 16 February 2017).
4. German Qualifications Framework for Lifelong Learning (DQR). Joint resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany, the German Federal Ministry of Education and Research, the German Conference of Economics Ministers and the German Federal Ministry of Economics and Technology (Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany of 15 November 2012). More information at www.dqr.de

5. Recommendation of the European Parliament and the European Council on the establishment of a European Qualifications Framework for Lifelong Learning of 23 April 2008 (2008/C 111/01 – European Qualifications Framework for Lifelong Learning – EQF).
6. Specimen decree pursuant to Article 4, paragraphs 1 – 4 of the interstate study accreditation treaty (Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany of 7 December 2017).
7. Interstate Treaty on the organization of a joint accreditation system to ensure the quality of teaching and learning at German higher education institutions (Interstate study accreditation treaty) (Decision of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany of 8 December 2016), Enacted on 1 January 2018.
8. See note No. 7.
9. See note No. 7.
10. Access to higher education for applicants with a vocational qualification, but without a school-based higher education entrance qualification (Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany of 6 March 2009).

Bescheinigung

Robert Wodara,

geboren am 20.01.1991 in Berlin,

hat die Abschlussprüfung im Bachelorstudiengang

Technische Informatik – Embedded Systems

am 6. Juli 2023 erfolgreich bestanden.

Die Gesamtnote beträgt:

2,76

Meike Seidemann

Im Auftrag der Studienverwaltung

Die aktuellen ECTS-Einstufungstabellen finden Sie auf
unserer Homepage."https://www.bht-berlin.de/ects-
tabellen"

Studiere Zukunft
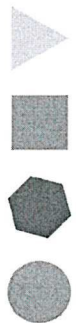
Certificate

Robert Wodara,

born on 20 January 1991 in Berlin,

has succesfully completed the bachelor degree course in

**Technical Computer Science –
Embedded Systems**

on 6 July 2023.

The overall grade is as follows:

2.76

Meike Seidemann

On behalf of the Office of the Registrar

Please find the recent ECTS Ranking Charts on our homepage. "https://www.bht-berlin.de/ects-tabellen"

Berliner
Hochschule
(seal)
für Technik
2

printed on 5 September 2023

Robert Wodara
Lütticher Straße 41
13353 Berlin

BHT

Berliner Hochschule
für Technik

Bescheinigung

für Zwecke der gesetzlichen Rentenversicherung
über Zeiten der Hochschulausbildung

Versicherungsnummer

Angaben zur Person

Nachname: Wodara
Vorname: Robert

Geburtsdatum: 20. Januar 1991
Geburtsort: Berlin

Studienzeiten nach Vollendung des 16. Lebensjahres an der

Berliner Hochschule für Technik
Luxemburger Straße 10

13353 Berlin

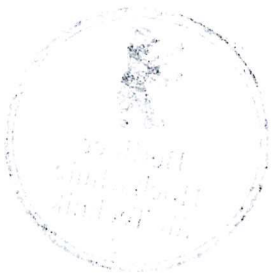vom: **01. Oktober 2012** bis: **31. März 2023**   Anzahl
Urlaubssemester: 0

Studium planmäßig abgeschlossen: Ja, als Bachelor of Engineering
am 06.07.2023

Berlin, 05. September 2023

(Siegel)

Studiere Zukunft

BHT

Berliner Hochschule
für Technik

05.09.2023

Bescheinigung

Robert Wodara,

geboren am **20.01.1991** in **Berlin**

war in der Zeit vom **01. Oktober 2012** bis **31. März 2023**

als Student/in an der Berliner Hochschule für Technik immatrikuliert, hat die Abschlussprüfung im Studiengang
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Berliner
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Studiere Zukunft

BHT

Berliner Hochschule
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05.09.2023

Bescheinigung

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