

Ausführungsbestimmungen
des Fachbereichs Wirtschaftsinformatik
zur Allgemeinen Studien- und Prüfungsbestimmung der
Provadis School of International Management
and Technology
in Kooperation mit der Deutschen Telekom AG für den
Bachelor-Studiengang
Studienrichtung
Informatik Telekom

Gültig ab: 1. Oktober 2021

Der Studien- und Prüfungsausschuss Wirtschaftsinformatik der Provadis School of International Management and Technology hat am 24.10.2021 folgende Version 1.5 der Ausführungsbestimmung erlassen.



Dr. Florian Volk
Dekan des Fachbereichs Informatik und
Wirtschaftsinformatik



Prof. Dr. Peter Manshausen
Vorsitzender des Studien- und
Prüfungsausschusses des Fachbereichs
Informatik und Wirtschaftsinformatik

Gültig ab: **1. Oktober 2019**

In Ergänzung zur Allgemeinen Studien- und Prüfungsordnung für die Bachelorstudiengänge der Provadis School of International Management and Technology in Kooperation mit der Deutschen Telekom AG in der jeweils gültigen Fassung, gelten folgende studienjahrgangsspezifische Festlegungen zu den Zulassungsvoraussetzungen, dem Umfang und der Gliederung einschließlich der zugeordneten Credit Points (CrP) für den Bachelor-Studiengang:

- Informatik Telekom (BIN)

Es gelten zudem die als Anlagen beigefügten Studien- und Prüfungspläne für die jeweiligen Studienjahrgänge.

Der zur Erlangung von CrP erforderliche zeitliche Aufwand ist in der nachfolgenden Tabelle für die Studiengänge festgelegt.

Studiengang	Stunden pro CrP
Informatik Telekom (BIN)	25

Studienrichtung und Jahrgang bilden eine sogenannte Studiengruppe. Pro Studiengruppe gibt es jeweils ein Modulhandbuch (auch „Curriculum“ oder auch „Lehrbericht“ genannt). Dieses ist Bestandteil der Ausführungsbestimmungen.

Zu §2 der Allgemeinen Studien- und Prüfungsordnung:

Im Studiengang BIN wird der akademische Grad „Bachelor of Science“ verliehen.

Anlagen

Anhang I:

Studien- und Prüfungspläne der Studienrichtung Informatik, Frankfurt gültig für die Studienjahrgänge ab WS 2021/2022

Anhang II:

Studien- und Prüfungspläne der Studienrichtung Informatik, Frankfurt gültig für die Studienjahrgänge ab WS 2019/2020

Anhang III:

Bachelor-Zeugnis - Beispiel

Anhang IV:

Bachelor-Urkunde- Beispiel

Anhang V:

Diploma-Supplement - Beispiel

Gültig ab: **1. Oktober 2019**

Anhang I: Studien- und Prüfungspläne des Studiengangs Informatik ab
Studienjahrgang 2021.

1. – 4. Semester

Modul	CrP	Lehrveranstaltung	Art	Sprache	Semester	Vorles. / Sem. Präsenzstd.	Virtual Classroom [UE]	Selbstgesteuertes Lernen	WAB / Bachelor-Thesis [h]	Workload [h]	Leistungsnachweis
MA1	5	Mathematik	P	D	1	30	20	87,5		125	K/AL
INTG	5	Lerntechniken und wissenschaftliches Arbeiten	P	D/E	1	30	10	95		125	K/AL
GI	5	Grundlagen der Informatik	P	D	1	30	20	87,5		125	K/AL
PROG	5	Programmierung mit WAB* (Programmierprojekt)	P	D	1	40	20	5	200	250	K/AL/B
ENG	5	Sprachkompetenz Englisch	P	E	1	20	10	102,5		125	AL
MA2	5	Mathematik 2	P	D	2	30	20	87,5		125	K/AL
TRI1	5	Theoretische Informatik 1	P	D	2	30	20	87,5		125	K/AL
AD	10	Algorithmen und Datenstrukturen mit WAB* / Programmierprojekt	P	D	2	40	20	5	200	250	K/AL/B
FPROG	5	Fortgeschrittene Programmierung	P	D	2	30	10	95		125	K/AL
KOMM	5	Kommunikationskompetenz	P	D/E	2	20	10	102,5		125	V
TRI2	5	Theoretische Informatik 2	P	D	3	30	20	87,5		125	K/AL
DMDB	10	Datenmodellierung und Datenbanken mit WAB* (Datenbankprogrammierung)	P	D	3	40	20	5	200	250	K/AL/B
NVS	5	Netzwerke & Verteilte Systeme	P	D	3	30	20	87,5		125	K/AL
BS	5	Betriebssysteme	P	D	3	30	10	95		125	K/AL
PM	5	Projektmanagement	P	D/E	3	20	10	102,5		125	K/AL
ASSE	10	Agile Software Engineering und Softwaretechnik / Projektarbeit / Programmierprojekt	P	D/E	4	40	20	5	200	250	K/AL/B
TECH	5	Technische Informatik, Rechnerarchitekturen und XAAS	P	D	4	30	20	87,5		125	K/AL
WMMK	5	Wissensmanagement und Mensch-Maschine-Kommunikation	P	D	4	30	20	87,5		125	K/AL
DABD	5	Data Analytics & Big Data	P	D	4	30	10	95		125	K/AL
IKHT	5	Interkulturelle Kommunikation und heterogene Teams	P	D/E	4	20	10	102,5		125	AL

Gültig ab: **1. Oktober 2019**

5. – 6. Semester

WP1+	10	Wahlpflichtmodul 1 mit WAB*: ERP-Systeme (SAP Labor)	W	D/E	5	40	20	5	200	250	AL/B
WP1+	10	Wahlpflichtmodul 1 mit WAB*: Projektpraktikum	W	D/E	5	40	20	5	200	250	AL/B
WP1+	10	Wahlpflichtmodul 1 mit WAB*: Netzwerkmanagement	W	D/E	5	40	20	5	200	250	AL/B
WP1+	10	Wahlpflichtmodul 1 mit WAB*: Enterprise Contentmanagement Systeme	W	D/E	5	40	20	5	200	250	AL/B
WP1+	10	Wahlpflichtmodul 1 mit WAB*: Mobile Anwendungen	W	D/E	5	40	20	5	200	250	AL/B
WP1+	10	Wahlpflichtmodul 1 mit WAB*: Embedded Systems und Software	W	D/E	5	40	20	5	200	250	AL/B
WP2	5	Wahlpflichtmodul 2: ERP-Systeme (SAP Labor)	W	D/E	5	30	20	87,5		125	K/AL
WP2	5	Wahlpflichtmodul 2: Netzwerkmanagement	W	D/E	5	30	20	87,5		125	K/AL
WP2	5	Wahlpflichtmodul 2: Enterprise Contentmanagement Systeme	W	D/E	5	30	20	87,5		125	K/AL
WP2	5	Wahlpflichtmodul 2: Mobile Anwendungen	W	D/E	5	30	20	87,5		125	K/AL
WP2	5	Wahlpflichtmodul 2: Embedded Systems und Software	W	D/E	5	30	20	87,5		125	K/AL
WP2	5	Wahlpflichtmodul 2: Technikfolgenabschätzung	W	D/E	5	30	20	87,5		125	K/AL
SAA	5	Software Anwendungsarchitekturen & Microservices API	P	D	5	30	20	87,5		125	K/AL
KIML	5	Künstliche Intelligenz und Maschinelles Lernen	P	D	5	30	10	95		125	K/AL
BWLIT	5	Betriebswirtschaftslehre und IT-Service-Management	P	D	5	20	10	102,5		125	K/AL
WP3	5	Wahlpflichtmodul 3: Netzwerkakademie	W	D/E	6	30	20	87,5		125	K/AL
WP3	5	Wahlpflichtmodul 3: Netzwerksicherheit	W	D/E	6	30	20	87,5		125	K/AL
WP3	5	Wahlpflichtmodul 3: Datenbankmanagementsysteme	W	D/E	6	30	20	87,5		125	K/AL
WP3	5	Wahlpflichtmodul 3: Webanwendungen	W	D/E	6	30	20	87,5		125	K/AL
WP3	5	Wahlpflichtmodul 3: Vertiefung BWL	W	D/E	6	30	20	87,5		125	K/AL
INTIT	5	New Trends in IT und Management der Digitalen Transformation	P	D/E	6	30	20	87,5		125	K/AL
RD	5	Recht und Datenschutz	P	D	6	30	20	102,5		125	K/AL
BT	12	Bachelor Thesis	P	D/E	6				300	300	T
BT	3	Bachelor Thesis - Präsentation	P	D/E	6				75	75	V

AL=Anderer Leistungsnachweis; K=Klausur; V=Vortrag; B=Bericht; T=Thesis; GV=Gemeinschaftsveranstaltung mit anderen Studiengängen; D=deutsch; E=englisch; P=Pflichtveranstaltung; W=Wahlpflichtveranstaltung; WAB=Wissenschaftlich angeleitete Berufspraxis

Gültig ab: 1. Oktober 2019

Semester	CrP	Vorles. / Präsenzstunden [UE]	Virtual Classroom [UE]	Selbstgesteuertes Lernen [h]	WAB / Bachelor- Thesis [h]	Workload [h]
1	30	150	80	377,5	200	750
2	30	150	80	377,5	200	750
3	30	150	80	377,5	200	750
4	30	150	80	377,5	200	750
5	30	150	80	377,5	200	750
6	30	80	50	277,5	375	750
Summe Curriculum	180	830	450	2165	1375	4500

Gültig ab: **1. Oktober 2019**

**Anhang II: Studien- und Prüfungspläne des Studiengangs Informatik ab
Studienjahrgang 2019.**

1. – 4. Semester

Modul	CrP	Lehrveranstaltung	Art	Sprache	Semester	Vorles. / Sem. Präsenzstd.	Virtual Classroom [UE]	Selbstgesteuertes Lernen	WAB / Bachelor-Thesis [h]	Workload [h]	Leistungsnachweis
MA1	5	Mathematik	P	D	1	30	20	87,5		125	K/AL
INTG	5	Naturwissenschaftlich-/Technische Grundlagen	P	D/E	1	30	10	95		125	K/AL
GI	5	Grundlagen der Informatik	P	D	1	30	20	87,5		125	K/AL
PROG	5	Programmierung mit WAB* (Programmierprojekt)	P	D	1	40	20	5	200	250	K/AL/B
ENG	5	Sprachkompetenz Englisch	P	E	1	20	10	102,5		125	AL
MA2	5	Mathematik 2	P	D	2	30	20	87,5		125	K/AL
TRI1	5	Theoretische Informatik 1	P	D	2	30	20	87,5		125	K/AL
AD	10	Algorithmen und Datenstrukturen mit WAB* / Programmierprojekt	P	D	2	40	20	5	200	250	K/AL/B
FPROG	5	Fortgeschrittene Programmierung	P	D	2	30	10	95		125	K/AL
KOMM	5	Kommunikationskompetenz	P	D/E	2	20	10	102,5		125	V
TRI2	5	Theoretische Informatik 2	P	D	3	30	20	87,5		125	K/AL
DMDB	10	Datenmodellierung und Datenbanken mit WAB* (Datenbankprogrammierung)	P	D	3	40	20	5	200	250	K/AL/B
NVS	5	Netzwerke & Verteilte Systeme	P	D	3	30	20	87,5		125	K/AL
BS	5	Betriebssysteme	P	D	3	30	10	95		125	K/AL
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IKHT	5	Interkulturelle Kommunikation und heterogene Teams	P	D/E	4	20	10	102,5		125	AL

Gültig ab: **1. Oktober 2019**

5. – 6. Semester

WP1+	10	Wahlpflichtmodul 1 mit WAB*: ERP-Systeme (SAP Labor)	W	D/E	5	40	20	5	200	250	AL/B
WP1+	10	Wahlpflichtmodul 1 mit WAB*: Projektpraktikum	W	D/E	5	40	20	5	200	250	AL/B
WP1+	10	Wahlpflichtmodul 1 mit WAB*: Netzwerkmanagement	W	D/E	5	40	20	5	200	250	AL/B
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WP1+	10	Wahlpflichtmodul 1 mit WAB*: Mobile Anwendungen	W	D/E	5	40	20	5	200	250	AL/B
WP1+	10	Wahlpflichtmodul 1 mit WAB*: Embedded Systems und Software	W	D/E	5	40	20	5	200	250	AL/B
WP2	5	Wahlpflichtmodul 2: ERP-Systeme (SAP Labor)	W	D/E	5	30	20	87,5		125	K/AL
WP2	5	Wahlpflichtmodul 2: Netzwerkmanagement	W	D/E	5	30	20	87,5		125	K/AL
WP2	5	Wahlpflichtmodul 2: Enterprise Contentmanagement Systeme	W	D/E	5	30	20	87,5		125	K/AL
WP2	5	Wahlpflichtmodul 2: Mobile Anwendungen	W	D/E	5	30	20	87,5		125	K/AL
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WP3	5	Wahlpflichtmodul 3: Webanwendungen	W	D/E	6	30	20	87,5		125	K/AL
WP3	5	Wahlpflichtmodul 3: Vertiefung BWL	W	D/E	6	30	20	87,5		125	K/AL
INTIT	5	New Trends in IT und Management der Digitalen Transformation	P	D/E	6	30	20	87,5		125	K/AL
RD	5	Recht und Datenschutz	P	D	6	30	20	102,5		125	K/AL
BT	12	Bachelor Thesis	P	D/E	6				300	300	T
BT	3	Bachelor Thesis - Präsentation	P	D/E	6				75	75	V

AL=Anderer Leistungsnachweis; K=Klausur; V=Vortrag; B=Bericht; T=Thesis; GV=Gemeinschaftsveranstaltung mit anderen Studiengängen; D=deutsch; E=englisch; P=Pflichtveranstaltung; W=Wahlpflichtveranstaltung; WAB=Wissenschaftlich angeleitete Berufspraxis

Gültig ab: 1. Oktober 2019

Semester	CrP	Vorles. / Präsenzstunden [UE]	Virtual Classroom [UE]	Selbstgesteuertes Lernen [h]	WAB / Bachelor- Thesis [h]	Workload [h]
1	30	150	80	377,5	200	750
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4	30	150	80	377,5	200	750
5	30	150	80	377,5	200	750
6	30	80	50	277,5	375	750
Summe Curriculum	180	830	450	2165	1375	4500

Gültig ab: **1. Oktober 2019**

Anhang III. Bachelor-Zeugnis (Beispiel)

**Provadis School of International Management and
Technology**

**Studiengang
Informatik Telekom**

Zeugnis

Frau/Herr _____

geb. am _____ in _____

hat am _____ die Prüfung zum Bachelor bestanden
und folgende Leistungen erbracht:

Prüfungsleistungen			
Module	Semesterwochenstunden	Noten	ECTS-Leistungspunkte
Bachelor Thesis	Thema	Note	

Gesamtnote:

Ort, Datum

**Ausführungsbestimmungen zur Allg. StuPO in
Kooperation mit der Deutschen Telekom AG
für den Bachelor-Studiengang Informatik**

Gültig ab: **1. Oktober 2019**

Die Vorsitzende/Der Vorsitzende
Dekan Siegel des Prüfungsamtes

Die Dekanin/Der

Gültig ab: **1. Oktober 2019**

Anhang IV. Bachelor-Urkunde (Beispiel)

**Provadis School of International Management and
Technology**

**Studiengang
Informatik Telekom**

Urkunde

Frau/Herr _____

geb. am _____ in _____

hat am _____ die Prüfung zum Bachelor bestanden.

Auf Grund dieser Prüfung verleiht die Provadis School of International Management
and Technology den akademischen Grad

Bachelor of Science

Ort, Datum

Die Dekanin/Der Dekan
Präsident

Siegel

Die Präsidentin/Der

Gültig ab: **1. Oktober 2019**

Anhang V. Diploma-Supplement (Beispiel)

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
Mustermann, Marco

1.3 Date, Place, Country of Birth
31.12.1980, Musterstadt, Germany

1.4 Student ID Number or Code
2009156

• 2. QUALIFICATION

2.1 Name of Qualification (full, abbreviated; in original language)
Bachelor of Science – B.Sc.

Title Conferred (full, abbreviated; in original language)
n. a – n. a

2.2 Main Field(s) of Study
Informatics Telekom

2.3 Institution Awarding the Qualification (in original language)
*Provadis School of International Management and Technology
D-65926 Frankfurt am Main*

Status (Type/Control)
University of Applied Sciences/officially recognized private university

2.4 Institution Administering Studies (in original language)
*Provadis School of International Management and Technology
D-65926 Frankfurt am Main*

Status (Type / Control)
University of Applied Sciences/officially recognized private university

2.5 Language(s) of Instruction/Examination
German and English

• 3. LEVEL OF THE QUALIFICATION

3.1 Level
Graduate/first degree (three years), with thesis

3.2 Official Length of Program
Three years

3.3 Access Requirements
*Admission to universities plus employment with
a company or traineeship with a company plus
successfully completed entrance exam*

Gültig ab: **1. Oktober 2019**

• **4. CONTENTS AND RESULTS GAINED**

4.1 Mode of Study

Part time designed to fit the schedules of working professionals

4.2 Program Requirements

Mathematik 1, Naturwissenschaftlich-/ technische Grundlagen, Grundlagen der Informatik, Programmierung mit WAB/Programmierprojekt, Mathematik 2, Theoretische Informatik 1, Algorithmen und Datenstrukturen mit WAB/Programmierprojekt, Theoretische Informatik 2, Fortgeschrittene Programmierung, Datenmodellierung und Datenbanken mit WAB/Datenbankprogrammierung, Netze & Verteilte Systeme, Sprachkompetenz Englisch, Kommunikationskompetenz, Agile Software Engineering und Softwaretechnik mit WAB/Projektarbeit/Programmierprojekt, Technische Informatik, Rechnerarchitekturen und XAAS, Betriebssysteme, Data Analytics & Big Data, Projektmanagement, Wahlpflichtmodul 1,2: ERP-Systeme (SAP Labor), Wahlpflichtmodul 1,2: Netzwerkmanagement, Wahlpflichtmodul 1,2: Enterprise Contentmanagement Systeme, Wahlpflichtmodul 1,2: Mobile Anwendungen, Wahlpflichtmodul 1,2: Wissensmanagement und Mensch-Maschine-Kommunikation, Künstliche Intelligenz und Maschinelles Lernen, Software Anwendungsarchitekturen & Microservices API, Recht und Datenschutz, Betriebswirtschaftslehre und IT-Service-Management, Wahlpflichtmodul 3: Netzwerkakademie, New Trends in IT und Management der Digitalen Transformation, Interkulturelle Kommunikation und heterogene Teams, Bachelor Thesis, Bachelor Thesis Defense..

4.3 Program Details

See Prüfungszeugnis 16. April 2010

4.4 Grading Scheme

General grading scheme see Section 8.6

In addition institutions already use the ECTS grading scheme according to the following overview:

ECTS-Grade	Calculating Basic
A	Best 10%
B	Next 25%
C	Next 30%
D	Next 25%
E	Next 10%
X	passed
FX	failed – improvements are required
F	failed – significant improvements are required

4.5 Overall Classification (in original language)

Gut

B-Grade (ECTS Grading)

• **5. FUNCTION OF THE QUALIFICATION**

5.1 Access to Further Study

Permits admission to graduate second degree programs which lead to Master degrees

5.2 Professional Status

The Bachelor degree in Informatics entitles its holder to exercise professional managerial work in companies of all branches

Gültig ab: **1. Oktober 2019**

- **6. ADDITIONAL INFORMATION**
 - 6.1 Additional Information
The holder of this qualification has undergone a very demanding program of integrated work and study. Its successful completion recommends for challenging tasks.
 - 6.2 Further Information Sources
On institution and program: www.provadis-hochschule.de; for national information sources see section 8.8
- **7. CERTIFICATION**
*This Diploma Supplement refers to the following original documents:
Urkunde über die Verleihung des Bachelor Degrees 16. April 2010
Prüfungszeugnis 16. April 2010*
- **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 (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- and 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.

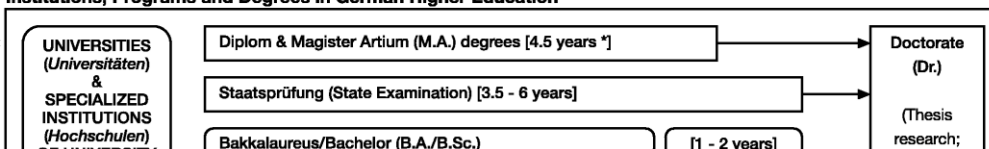
8.2 Types of programs and degrees awarded

- 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



Gültig ab: 1. Oktober 2019

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- and 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.

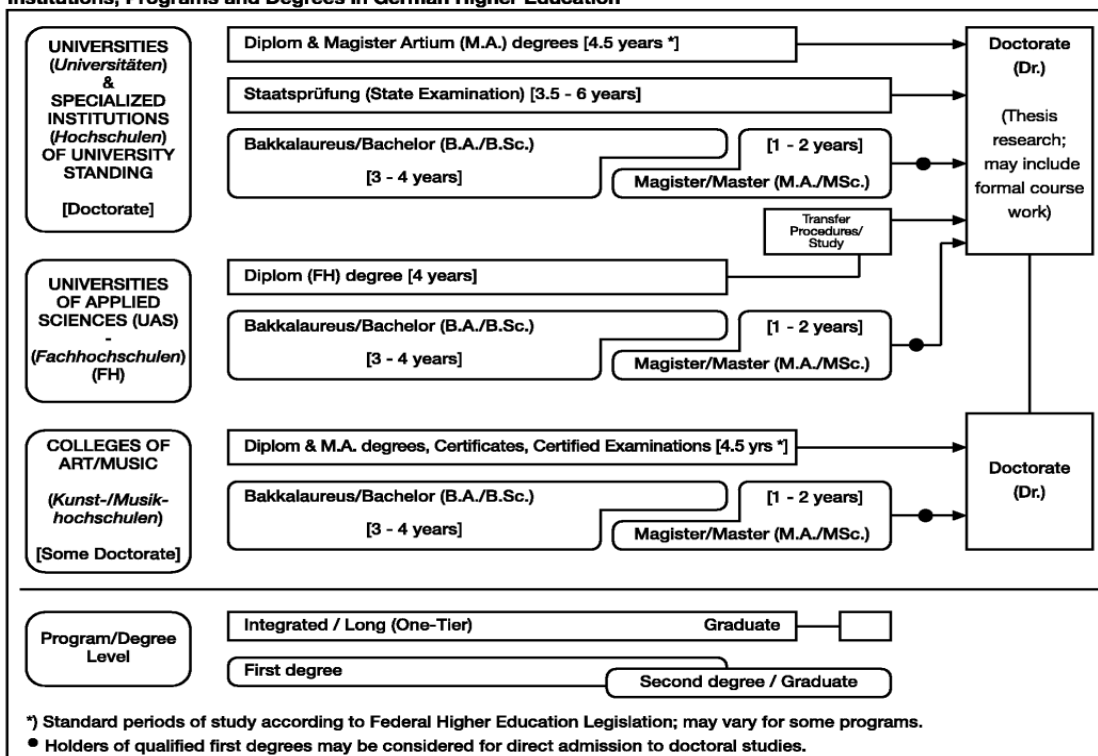
8.2 Types of programs and degrees awarded

- 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



Gültig ab: 1. Oktober 2019

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

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