Ostfalia
Hochschule für angewandte
Wissenschaften

Verkündungsblatt

Ostfalia Hochschule für angewandte Wissenschaften
– Hochschule Braunschweig/Wolfenbüttel

25. Jahrgang | Wolfenbüttel, den 24.06.2022 | Nummer 32

Inhalt

Auf der Grundlage von § 37 Abs. 1 des Niedersächsischen Hochschulgesetzes vom 26.02.2007 in der jeweils gültigen Fassung, hat das Präsidium der Ostfalia Hochschule für angewandte Wissenschaften – Hochschule Braunschweig/ Wolfenbüttel am 23.06.2022 der **Änderung der Prüfungsordnungen für die Masterstudiengänge „Fahrzeugtechnik“ und „Fahrzeugsystemtechnologien“ der Fakultät Fahrzeugtechnik** (Verkündungsblätter Nr. 29 vom 11.05.2020 und Nr. 30 vom 11.05.2020) zugestimmt.

Folgende Änderung des § 6 Abs. 1 Satz 4 (Anrechnung von Leistungen) der MPO Fahrzeugsystemtechnologien (VKB 30/2020) bzw. § 29 Abs. 2 Satz 5 der MPO Fahrzeugtechnik (VKB 29/2020) wird aufgrund des Beschlusses des Fakultätsrats Fahrzeugtechnik vom 22.06.2022 vorgenommen:

Satz 4 bzw. 5 wird wie folgt umformuliert:

„Nachgewiesene gleichwertige Kompetenzen und Fähigkeiten ~~ohne wesentliche Unterschiede~~, die außerhalb des Hochschulbereichs erworben wurden, sind bis zur Hälfte der für den Studiengang vorgesehenen Leistungspunkte anzurechnen.“

Folgende Änderung der Anlage 4 (Diploma Supplement) der MPO Fahrzeugtechnik (VKB 29/2020) wird aufgrund des Beschlusses des Fakultätsrats Fahrzeugtechnik vom 22.06.2022 vorgenommen:

Das Diploma Supplement wird wie auf den folgenden Seiten dargestellt neu gefasst.

Diese Änderungen treten am Tag nach ihrer Veröffentlichung im Verkündungsblatt der Ostfalia in Kraft.

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 recognitionof 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. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1 Family name(s)

1.2 First name(s)

1.3 Date of birth (dd/mm/yyyy)

1.4 Student identification number or code

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of qualification and (if applicable) **title conferred** (in original language)
Master of Engineering (M.Eng.)

2.2 Main field(s) of study for the qualification
Automotive Engineering
with the four specialisations
Electromobility
Smart Factory
Hybrid Development Methods
Connectivity and Autonomous Driving

2.3 Name and status of awarding institution (in original language)
Ostfalia University of Applied Sciences – Hochschule Braunschweig/Wolfenbüttel
Faculty of Automotive Engineering

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

2.5 Language(s) of instruction/examination
German (100%)

3. INFORMATION ON THE LEVEL AND DURATION OF THE QUALIFICATION

3.1 Level of the qualification
Second degree, with thesis

3.2 Official duration of programme in credits and/or years
One and a half year, 90 ECTS Credit Points

3.3 Access requirement(s)
Higher Education Entrance Qualification (Fachhochschulreife) or General/Specialized Higher Education Entrance Qualification (Hochschulreife) or foreign equivalent.

4. INFORMATION ON THE PROGRAMME COMPLETED AND RESULTS OBTAINED

4.1 Mode of study
Fulltime

4.2 Programme learning outcomes

Participants have to complete different course elements with an overall workload of 90 Credit Points (ECTS), each of which ends with an examination (either written examination, oral presentation or term paper). After these examinations have all at least been passed (“ausreichend”), students complete their studies with a Master thesis and a final oral examination (colloquy).

The three-semester consecutive Master’s degree in “Automotive Engineering” imparts the following skills:
• Ability to work scientifically, based on application-oriented teaching,
• In-depth scientific understanding of new methods and problem areas in the automotive industry,
• Management skills and social skills such as teamwork,
• Advanced non-technical knowledge and skills.

Electromobility

With the lecture on electromobility included in the module "Future Topics", various competencies of the sustainable mobility are taught. These include the emission- and CO2-legislation and the impact of CO2 emissions from vehicles as one of the causes of climate change. It should be communicated how electric mobility can contribute to a CO2-neutral drive.

Smart Factory

• General future topics or trends (e.g. demographic change, individualization of products and services, scarce raw materials, globalization of the markets, etc.),
• Mobility future topics such as public transport concepts in cities and communities, individual bicycles and scooters (electric), rail concepts in passenger and freight transport long-distance etc.,
• Special future topics in the automotive industry (e.g. electromobility, alternative drives (hydrogen), autonomous driving, car-sharing etc.),
• Future changes in production,
• Assess and evaluate future issues,
• Choose future topics for special application examples and select preferred solutions,
• Create overall concepts,
• Can implement and consolidate the preferred solution.

Hybrid Development Methods

Due to the further reduction of physical prototypes in the development process, virtual development methods are becoming increasingly important. This leads to virtual homologation of vehicles in ever lager areas. The students should have an overview of the possibilities of virtual development methods coupled with experimental investigations (hybrid) and independently select the appropriate method. They should be empowered to decide when virtual development and when trials as a substitute for the validation of the simulation models should be used.

Connectivity and Autonomous Driving

The students are well-known with the basic terms in the fields of connectivity and autonomy driving.
They know the possible functions and structures of both fields and can use them in the classify the overall context of vehicle technology and future mobility.

4.3 Programme details, individual credits gained and grades/marks obtained
See grade transcript for list of attended courses, acquired grades and topic of thesis (ggf. weitere Angaben zum individuellen Studienverlauf, z. B. Wahlfächer).

4.4 Grading system and, if available, grade distribution table

Grade	German text	Description
1,0; 1,3	Sehr gut	Very Good – outstanding performance
1,7; 2,0; 2,3	Gut	Good – above the average standards
2,7; 3,0; 3,3	Befriedigend	Satisfactory – meets the average standards
3,7; 4,0	Ausreichend	Sufficient – performance meets the minimum criteria
5,0	Nicht ausreichend	Fail – Further work is required

For the grading table of the Faculty of Automotive Engineering see supplementary document.

4.5 Overall classification of the qualification (in original language)
(Note eintragen)
Based on the accumulation of grades receiving during the study programme and the final thesis.

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study
The qualification entitles its holder to apply for admission to postgraduate/doctoral level study and research.

5.2 Access to a regulated profession (if applicable)
Engineer
The Master-degree in an engineering discipline entitles its holder to exercise professional work in the field of engineering for which the degree was awarded.

6. ADDITIONAL INFORMATION

6.1 Additional information
The programme closely cooperates with local industry and government institutions in order to ensure and improve the practical relevance of its contents continuously.

6.2 Further information sources
Further information on this course may be obtained via the internet (address www.ostfalia.de/f).

7. CERTIFICATION

This Diploma Supplement refers to the following original documents:
Document on the award of academic degree (Urkunde über die Verleihung des Akademischen Grades Master of Engineering) vom
Certificate (Zeugnis) vom
Transcript of Records

Certification Date:

Chairman Examination Committee

(Official Stamp/Seal)

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.

[*Hier wird vom Studierendenservicebüro jeweils die Grafik aus der aktuellen Vorlage der HRK eingefügt*]