
Double Degree Agreement

between

the Bachelor Degree Programmes in Information Security

of the

International Information Technology University

and

the Bachelor Degree Programmes in Computer Science

of

Hof University of Applied Sciences

1. Introduction

This agreement sets out the terms for the operation of an undergraduate Double Degree programme between the Bachelor degree programmes Information Security of International Information Technology University and the Bachelor degree programme in Computer Science of Hof University of Applied Sciences.

This agreement aims at facilitating and developing a programme, which offers students an opportunity to earn two degrees. As a result of the Double Degree studies, the students acquire deeper experience of multicultural studying and business environments, better cross-cultural communication and language skills, wider professional partner network, new opportunities for further education and stronger competitive advantages in the job markets.

2. Definitions

For the purpose of this Agreement, the following definitions shall apply:

- host institution the institution receiving students
- home institution the institution sending students
- double degree student a student participating in a double degree programme as referred to in the Agreement

3. General

- a) This Double Degree agreement is an extension of an already existing and valid Erasmus+ contract or a valid student and staff exchange contract with a University who is not in the scope of Erasmus+. Without such a contract this agreement is null and void.
- b) The Double Degree programme is available for degree students enrolled in the Bachelor degree programme Computer Science of Hof University of Applied Sciences and for degree students in the Bachelor degree programme Information Security of International Information Technology University.
- c) Successful completion of the Double Degree programme leads to the award of Bachelor in Information Security of International Information Technology University and to the award of Bachelor of Computer Science of Hof University of Applied Sciences.
- d) Responsibility for the Double Degree programme belongs with the management of the degree programmes involved.
- e) A detailed description of the Double Degree programme, including the requirements to obtain the degrees as mentioned under § 3b is drafted and approved by relevant Exam Boards at International Information Technology University and relevant Exam Boards at Hof University of Applied Sciences, prior to exchange of Double Degree students. This document is subject to annual monitoring, as described under § 7. This document will form a mandatory appendix to this agreement, without which this agreement is null and void.
- f) The programme will be operated in accordance with:
 - the academic and administrative policies and procedures of International IT University
and
 - the academic and administrative policies and procedures of Hof University of Applied Sciences.
- g) Both institutions will provide each other insight into their systems of quality assurance and accreditation.

4 Admission and registration

- a) International Information Technology University and Hof University of Applied Sciences will aim to ensure that equal numbers of Double Degree students from each institution participate in the Double Degree programme and will aim at a number of 2 x 5 Double Degree students per year: 2 x 5 students from International Information Technology University and 2 x 5 students from Hof University of Applied Sciences. The target number of Double Degree students may be altered

by agreement in writing between the two institutions. However, student numbers are expected to be in balance in a period of five years.

- b) Subject to these constraints, each institution will accept to receive for an agreed exchange period, without the payment of additional tuition fees, the students selected and nominated by the partner institution for the participation in this Double Degree programme. The host institution must be notified of the nomination of the students at least four months prior to the intended commencement date of the exchange period.
- c) Students will be screened for eligibility for admission to the Double Degree programme by the home institution. Both institutions shall respect the admission requirements and enrolment constraints of the host institution. Participants will be subject to the standard rules, regulations and enrolling constraints of the host institution.

The prerequisites for Hof University of Applied Sciences students to enter the Double Degree programme are the following:

- Successful completion of 110 ECTS (equivalent to 4 semesters) for Computer Science students at Hof University of Applied Sciences
- English language requirement: at least CEFR B2 level

The prerequisites for International Information Technology University students to enter the Double Degree programme are the following:

- Successful completion of 150 ECTS (equivalent to 5 semesters)
 - English and/or German language requirement: CEFR B2 level certified
- d) For the period of their sojourn at the partner institution, including the international placement, Double Degree students will be registered at their home institution, but will also be registered as bachelor degree students at the partner institution.
 - e) Double degree students will have access to all facilities and student services provided by the two institutions, including those to assist students in finding accommodation.

5 Contents of the Double Degree programme

- a) Students participating in the Double Degree programme are required to study for at least two semesters (or equivalent time) at the partner institution and earn a minimum of 60 ECTS credits.
- b) The academic requirements for the contents of the Double Degree studies undertaken by Double Degree students during the exchange period are set out in

detail by the host institution of the Double Degree student and agreed by the home institution.

- c) These academic requirements, including a list of mandatory and optional courses for the students participating in the Double Degree programme, are annually confirmed by Hof University of Applied Sciences and International IT University, as described under § 7.
- d) The language of instruction while studying at the partner institution will be English or German.
- e) For Information Security Degree placement requirements are defined in the valid Study and Exam Regulations of the respective study programme and the Internship Policy of International Information Technology University.

For Computer Science Degree placement requirements are defined in the valid Study and Exam Regulations of the respective study programme and in the General Framework for Exam Regulations of Universities of Applied Sciences in Bavaria (Rahmenprüfungsordnung). For Hof University of Applied Sciences students from International Information Technology University also have to complete a placement of at least 18 weeks.

6. Supervision, grading, and awarding of the degree

- a) The host institution will evaluate the academic performance of all Double Degree students using the same criteria used for students enrolled in the programme of the host institution.
- b) The minimum pass grade to be obtained at International Information Technology University is 2.0 (satisfactory, equivalent to 50 points out of 100), according to the Kazakh grading system. The minimum pass grade to be obtained at Hof University of Applied Sciences is 4,0 (satisfactory) according to the German grading system.
- c) In the event there is an academic appeal by the Double Degree student during the study period at the host institution, the academic appeal process of the host institution will apply.
- d) Upon completion of their study period at the host institution, the host institution will provide the home institution with (a) transcript(s) of the academic results of the Double Degree student.
- e) Successful completion of a work placement is a mandatory part of both degree programmes. Students must do their work placement in National or International companies depending on the requirements of the Degree program.

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- f) Double Degree students of International Information Technology University and Hof University of Applied Sciences are required to do a `Graduation Assignment/Bachelor thesis` as part of their studies. The `Graduation Assignment/Bachelor Thesis` is supervised and graded by a supervisor from the home institution and honoured by the host institution and subsequently archived in both institutions. The `Graduation Assignment/Bachelor Thesis` must fulfil the academic standards of both institutions.
- g) To obtain the Bachelor's degree from the host institution, the Double Degree student must have been awarded the Bachelor's degree from the home institution.
- h) Double Degree students will be awarded the degree of the host institution if they meet the following requirements:
- i. For Hof University of Applied Sciences students to obtain the Bachelor in Information Security qualification:
 - fulfilment of all the requirements to obtain the Bachelor in Information Security including work placement of 30 ECTS credits and the Bachelor's Thesis, as ascertained by the HSE AQC.
 - successful completion of the Double Degree studies (60 ECTS credits) during the two semesters International Information Technology University
 - submit the required information and documents to academic coordinator at ... upon graduation at home university as detailed in Appendix 4 (see Appendix 4) within 2 years after graduation from home university.
 - ii. For International Information Technology University students to obtain the Bachelor in Computer Science qualification:
 - fulfilment of all the requirements to obtain the Bachelor in Computer Science, including work placement and placement courses of 30 ECTS credits and the Bachelor's Thesis, as ascertained by the Exam Board of Hof University of Applied Sciences.
 - successful completion of the Double Degree studies (60 ECTS credits) during the two semesters at Hof University of Applied Sciences.

7. Monitoring

Each party is accountable for carrying out the terms of the agreement and nominates a responsible person to ensure that the Double Degree programme is consistent with the objectives of their home institution's curriculum and the student's own career interests.

International coordinator Hof University of Applied Sciences:

Susanne Krause, skrause@hof-university.de

Academic coordinator Hof University of Applied Sciences:

Sebastian Leuoth, sleuoth@hof-university.de

International coordinator International Information Technology University

Regina Sharshova, r.sharshova@iitu.edu.kz

Academic coordinator Hof University of Applied Sciences:

Saule Amanzholova, s.amanzholova@iitu.edu.kz

The responsible persons will annually discuss all possible changes in the curricula of both programmes subject to this agreement, in order to ascertain the link between both curricula and to assure the quality of the Double Degree programme as a whole. Major changes in the curricula (appendix) mentioned under § 3d have to be seen as an alternation of the contract and need to be documented in written form.

8 Consultation and revision of arrangements

- a) This agreement is in force from the day of its signing and it can be subject to revision, modification and renewal by mutual written agreement.
- b) The agreement may be terminated at the request of either party provided such request is made in writing at least twelve months before termination is to become effective. The termination of the agreement must take into account the rights of students already participating or accepted for the Double Degree studies. Those students must be able to finish the Double Degree study programme.

9. Signatures

This Agreement comes into effect once it has been signed by their duly authorised representatives as follows:

Date

For
Hof University of Applied Sciences

Germany

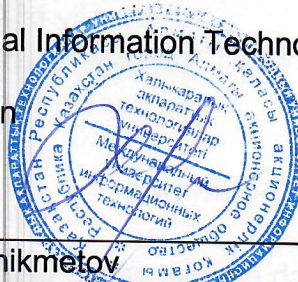
Prof. Dr. Dr. h.c. Jürgen Lehmann
President

Prof. Dr. Andrej Bachmann
Dean Computer Science Department

For
International Information Technology
University
Kazakhstan

Askar K.Khikmetov
Chairman of the Board, Rector

Nurgul A.Seilova
Dean of Computer Technology and Cyber
Security Faculty



Appendix 1

Double Degree requirements

To be awarded the Bachelor Computer Science (Bachelor of Science) from Hof University of Applied Sciences and the Bachelor of Information security from International Information Technology University, students must complete successfully:

Hof University of Applied Sciences Requirements:	International Information Technology University Requirements:
See Appendix 2	See Appendix 3
Furthermore: Submit all required documents (Appendix 4) and information to Hof University of Applied Sciences within 2 years after graduation. Failing this, the graduates cannot apply for Hof University of Applied Sciences Degree.	Furthermore: List of necessary documents for degree (Appendix 5)

Appendix 2

Information for Incoming Students studying in the Hof University of Applied Sciences Double Degree Program

International students participating in our Double Degree (DD) program are enrolled at Hof University of Applied Sciences for 2 semesters. During these 2 semesters, Double Degree students need to obtain 60 credit points (CPs) as described in the study and examination regulations of the Bachelor Degree Program Computer Science at Hof University of Applied Sciences. International students wishing to do their internship in Germany shall remain enrolled for an additional semester.

Two Semesters at Hof University of Applied Sciences:

In the two semesters, Double Degree students take part in the following courses:

	CP	Semester
Mandatory Courses*:		
Intercultural Competence	5	1 st Semester
Foreign Language II (German Part 1)	5	1 st Semester
Foreign Language II (German Part 2)	5	2 nd Semester
Applied AI	5	1 st Semester
Advanced Software Engineering	5	1 st Semester
Cloud Computing	5	2 nd Semester
Data Science	5	2 nd Semester
Interdisciplinary software development project	5	2 nd Semester
Subject-specific elective modules are offered individually per semester by the Faculty of Computer Science.		
Subject-specific elective module 1	5	1 st Semester
Subject-specific elective module 2	5	1 st Semester
Subject-specific elective module 3	5	2 nd Semester
Subject-specific elective module 4	5	2 nd Semester
Excerpt from the list of the last semesters 2021/2022		
Modern app and web development with current web technologies		
Cryptography		
Introduction to Microsoft Dynamics NAV		
Test methods for complex software systems		
IT Security		
Data analysis and data mining		
Internet of Things		
Fundamentals of electrical engineering		
Geographic Information Systems		
Artificial Intelligence in Robotics		
Deep Learning for Natural Language Understanding (FWPM)		
Digital technology (FWPM)		
Embedded Systems (FWPM)		
Industry 4.0 in Planning and Production (FWPM)		
Industrial Data Analysis (FWPM)		
Project management (FWPM)		
RESTful Web Services (FWPM)		

Corporate Management (FWPM)		
.NET Programming with C# (FWPM)		
Evaluation and Selection of Standard Software Package (FWPM)		
Software Reverse Engineering (FWPM)		
Web Technology and Web Marketing in the Cloud (FWPM)		
ECTS in total	60	

* The mandatory courses can be adjusted depending on the current teaching offer. The same applies to the distribution over semesters.

Corporate Management (FWPM)		
.NET Programming with C# (FWPM)		
Evaluation and Selection of Standard Software Package (FWPM)		
Software Reverse Engineering (FWPM)		
Web Technology and Web Marketing in the Cloud (FWPM)		
ECTS in total	60	

* The mandatory courses can be adjusted depending on the current teaching offer. The same applies to the distribution over semesters.

Appendix 4

The list of required documents needed to be sent to Hof University of Applied Sciences after graduation from International Information Technology University.

- 1) Bachelor transcript of records. It should be in English and be certified International Information Technology University (by putting a stamp there)
- 2) A copy of the official document of graduation. It should be in English and be certified by International Information Technology University or notary.
- 3) A copy of internship contract, written report about the internship and proof of the internship signed by the company.

Appendix 5

The list of required documents needed to be sent to International Information Technology University after graduation from Hof University of Applied Sciences.

- 1) Bachelor transcript of records. It should be in English and be certified by Hof University of Applied Sciences (by putting a stamp there)
- 2) A copy of the official document of graduation. It should be in English and be certified by Hof University of Applied Sciences or notary.
- 3) A copy of internship contract, written report about the internship and proof of the internship signed by the company.

Double Degree Agreement

between

the Bachelor Degree Programme Computer Systems and Software Engineering

of the

International Information Technology University

and

the Bachelor Degree Programmes in Computer Science

of

Hof University of Applied Sciences

1. Introduction

This agreement sets out the terms for the operation of an undergraduate Double Degree programme between the Bachelor degree programmes Computer Systems and Software Engineering of International Information Technology University and the Bachelor degree programme in Computer Science of Hof University of Applied Sciences.

This agreement aims at facilitating and developing a programme, which offers students an opportunity to earn two degrees. As a result of the Double Degree studies, the students acquire deeper experience of multicultural studying and business environments, better cross-cultural communication and language skills, wider professional partner network, new opportunities for further education and stronger competitive advantages in the job markets.

2. Definitions

For the purpose of this Agreement, the following definitions shall apply:

- host institution the institution receiving students
- home institution the institution sending students
- double degree student a student participating in a double degree programme as referred to in the Agreement

3. General

- a) This Double Degree agreement is an extension of an already existing and valid Erasmus+ contract or a valid student and staff exchange contract with a University who is not in the scope of Erasmus+. Without such a contract this agreement is null and void.
- b) The Double Degree programme is available for degree students enrolled in the Bachelor degree programme Computer Science of Hof University of Applied Sciences and for degree students in the Bachelor degree programme Computer Systems and Software Engineering of International Information Technology University.
- c) Successful completion of the Double Degree programme leads to the award of Bachelor in Computer Systems and Software Engineering of International Information Technology University and to the award of Bachelor of Computer Science of Hof University of Applied Sciences.
- d) Responsibility for the Double Degree programme belongs with the management of the degree programmes involved.
- e) A detailed description of the Double Degree programme, including the requirements to obtain the degrees as mentioned under § 3b is drafted and approved by relevant Exam Boards at International Information Technology University and relevant Exam Boards at Hof University of Applied Sciences, prior to exchange of Double Degree students. This document is subject to annual monitoring, as described under § 7. This document will form a mandatory appendix to this agreement, without which this agreement is null and void.
- f) The programme will be operated in accordance with:
 - the academic and administrative policies and procedures of International IT University
and
 - the academic and administrative policies and procedures of Hof University of Applied Sciences.
- g) Both institutions will provide each other insight into their systems of quality assurance and accreditation.

4 Admission and registration

- a) International Information Technology University and Hof University of Applied Sciences will aim to ensure that equal numbers of Double Degree students from each institution participate in the Double Degree programme and will aim at a number of 2 x 5 Double Degree students per year: 2 x 5 students from International Information Technology University and 2 x 5 students from Hof University of

Applied Sciences. The target number of Double Degree students may be altered by agreement in writing between the two institutions. However, student numbers are expected to be in balance in a period of five years.

- b) Subject to these constraints, each institution will accept to receive for an agreed exchange period, without the payment of additional tuition fees, the students selected and nominated by the partner institution for the participation in this Double Degree programme. The host institution must be notified of the nomination of the students at least four months prior to the intended commencement date of the exchange period.
- c) Students will be screened for eligibility for admission to the Double Degree programme by the home institution. Both institutions shall respect the admission requirements and enrolment constraints of the host institution. Participants will be subject to the standard rules, regulations and enrolling constraints of the host institution.

The prerequisites for Hof University of Applied Sciences students to enter the Double Degree programme are the following:

- Successful completion of 110 ECTS (equivalent to 4 semesters) for Computer Science students at Hof University of Applied Sciences
- English language requirement: at least CEFR B2 level

The prerequisites for International Information Technology University students to enter the Double Degree programme are the following:

- Successful completion of 120 ECTS (equivalent to 4 semesters)
- English and/or German language requirement: CEFR B2 level certified

- d) For the period of their sojourn at the partner institution, including the international placement, Double Degree students will be registered at their home institution, but will also be registered as bachelor degree students at the partner institution.
- e) Double degree students will have access to all facilities and student services provided by the two institutions, including those to assist students in finding accommodation.

5 Contents of the Double Degree programme

- a) Students participating in the Double Degree programme are required to study for at least two semesters (or equivalent time) at the partner institution and earn a minimum of 60 ECTS credits.
- b) The academic requirements for the contents of the Double Degree studies undertaken by Double Degree students during the exchange period are set out in

detail by the host institution of the Double Degree student and agreed by the home institution.

- c) These academic requirements, including a list of mandatory and optional courses for the students participating in the Double Degree programme, are annually confirmed by Hof University of Applied Sciences and International IT University, as described under § 7.
- d) The language of instruction while studying at the partner institution will be English or German.
- e) For Computer Systems and Software Engineering Degree placement requirements are defined in the valid Study and Exam Regulations of the respective study programme and the Internship Policy of International Information Technology University.

For Computer Science Degree placement requirements are defined in the valid Study and Exam Regulations of the respective study programme and in the General Framework for Exam Regulations of Universities of Applied Sciences in Bavaria (Rahmenprüfungsordnung). For Hof University of Applied Sciences students from International Information Technology University also have to complete a placement of at least 18 weeks.

6. Supervision, grading, and awarding of the degree

- a) The host institution will evaluate the academic performance of all Double Degree students using the same criteria used for students enrolled in the programme of the host institution.
- b) The minimum pass grade to be obtained at International Information Technology University is 2.0 (satisfactory, equivalent to 50 points out of 100), according to the Kazakh grading system. The minimum pass grade to be obtained at Hof University of Applied Sciences is 4,0 (satisfactory) according to the German grading system.
- c) In the event there is an academic appeal by the Double Degree student during the study period at the host institution, the academic appeal process of the host institution will apply.
- d) Upon completion of their study period at the host institution, the host institution will provide the home institution with (a) transcript(s) of the academic results of the Double Degree student.
- e) Successful completion of a work placement is a mandatory part of both degree programmes. Students must do their work placement in National or International companies depending on the requirements of the Degree program.

-
- f) Double Degree students of International Information Technology University and Hof University of Applied Sciences are required to do a `Graduation Assignment/Bachelor thesis` as part of their studies. The `Graduation Assignment/Bachelor Thesis` is supervised and graded by a supervisor from the home institution and honoured by the host institution and subsequently archived in both institutions. The `Graduation Assignment/Bachelor Thesis` must fulfil the academic standards of both institutions.
- g) To obtain the Bachelor's degree from the host institution, the Double Degree student must have been awarded the Bachelor's degree from the home institution.
- h) Double Degree students will be awarded the degree of the host institution if they meet the following requirements:
- i. For Hof University of Applied Sciences students to obtain the Bachelor in Computer Systems and Software Engineering qualification:
 - fulfilment of all the requirements to obtain the Bachelor in Computer Systems and Software Engineering including work placement of 30 ECTS credits and the Bachelor's Thesis, as ascertained by the HSE AQC.
 - successful completion of the Double Degree studies (60 ECTS credits) during the two semesters International Information Technology University
 - submit the required information and documents to academic coordinator at ... upon graduation at home university as detailed in Appendix 4 (see Appendix 4) within 2 years after graduation from home university.
 - ii. For International Information Technology University students to obtain the Bachelor in Computer Science qualification:
 - fulfilment of all the requirements to obtain the Bachelor in Computer Science, including work placement and placement courses of 30 ECTS credits and the Bachelor's Thesis, as ascertained by the Exam Board of Hof University of Applied Sciences.
 - successful completion of the Double Degree studies (60 ECTS credits) during the two semesters at Hof University of Applied Sciences.

7. Monitoring

Each party is accountable for carrying out the terms of the agreement and nominates a responsible person to ensure that the Double Degree programme is consistent with the objectives of their home institution's curriculum and the student's own career interests.

International coordinator Hof University of Applied Sciences:

Susanne Krause, skrause@hof-university.de

Academic coordinator Hof University of Applied Sciences:

Sebastian Leuth, sleuth@hof-university.de

International coordinator International Information Technology University

Regina Sharshova, r.sharshova@iitu.edu.kz

Academic coordinator Hof University of Applied Sciences:

Olzhas Tokanov, o.tokanov@iitu.edu.kz

The responsible persons will annually discuss all possible changes in the curricula of both programmes subject to this agreement, in order to ascertain the link between both curricula and to assure the quality of the Double Degree programme as a whole. Major changes in the curricula (appendix) mentioned under § 3d have to be seen as an alternation of the contract and need to be documented in written form.

8 Consultation and revision of arrangements

- a) This agreement is in force from the day of its signing and it can be subject to revision, modification and renewal by mutual written agreement.
- b) The agreement may be terminated at the request of either party provided such request is made in writing at least twelve months before termination is to become effective. The termination of the agreement must take into account the rights of students already participating or accepted for the Double Degree studies. Those students must be able to finish the Double Degree study programme.

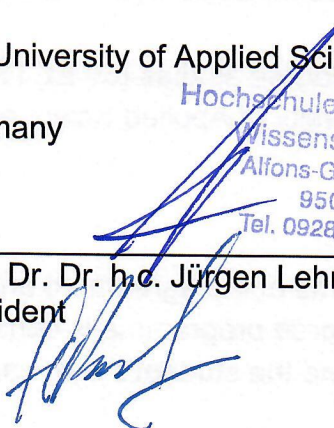
9. Signatures

This Agreement comes into effect once it has been signed by their duly authorised representatives as follows:

Date

For
Hof University of Applied Sciences


Germany


Prof. Dr. Dr. h.c. Jürgen Lehmann
President

Prof. Dr. Andrej Bachmann
Dean Computer Science Department

For
International Information Technology
University
Kazakhstan


Askar K.Khikmetov
Chairman of the Board, Rector


Nurgul A. Seilova
Dean of Computer Technology and Cyber
Security Faculty

Appendix 1

Double Degree requirements

To be awarded the Bachelor Computer Science (Bachelor of Science) from Hof University of Applied Sciences and the Bachelor of Computer Systems and Software Engineering from International Information Technology University, students must complete successfully:

Hof University of Applied Sciences Requirements:	International Information Technology University Requirements:
See Appendix 2	See Appendix 3
Furthermore: Submit all required documents Appendix 4) and information to Hof University of Applied Sciences within 2 years after graduation. Failing this, the graduates cannot apply for Hof University of Applied Sciences Degree.	Furthermore: List of necessary documents for degree (Appendix 5)

Appendix 2

Information for Incoming Students studying in the Hof University of Applied Sciences Double Degree Program

International students participating in our Double Degree (DD) program are enrolled at Hof University of Applied Sciences for 2 semesters. During these 2 semesters, Double Degree students need to obtain 60 credit points (CPs) as described in the study and examination regulations of the Bachelor Degree Program Computer Science at Hof University of Applied Sciences. International students wishing to do their internship in Germany shall remain enrolled for an additional semester.

Two Semesters at Hof University of Applied Sciences:

In the two semesters, Double Degree students take part in the following courses:

	CP	Semester
Mandatory Courses*:		
Intercultural Competence	5	1 st Semester
Foreign Language II (German Part 1)	5	1 st Semester
Foreign Language II (German Part 2)	5	2 nd Semester
Applied AI	5	1 st Semester
Software-System-Development	5	1 st Semester
Cloud Computing	5	2 nd Semester
Data Science	5	2 nd Semester
Interdisciplinary software development project	5	2 nd Semester
Subject-specific elective modules are offered individually per semester by the Faculty of Computer Science.		
Subject-specific elective module 1	5	1 st Semester
Subject-specific elective module 2	5	1 st Semester
Subject-specific elective module 3	5	2 nd Semester
Subject-specific elective module 4	5	2 nd Semester
Excerpt from the list of the last semesters 2021/2022		
CCNAV7: Switching, Routing and Wireless Essentials		
Modern app and web development with current web technologies		
Cryptography		
Introduction to Microsoft Dynamics NAV		
Test methods for complex software systems		
IT Security		
Data analysis and data mining		
Internet of Things		
Fundamentals of electrical engineering		
Geographic Information Systems		
Artificial Intelligence in Robotics		
ECTS in total	60	

* The mandatory courses can be adjusted depending on the current teaching offer. The same applies to the distribution over semesters.

Appendix 3

Information for Incoming Students studying in the International Information Technology University

International students participating in our Double Degree (DD) program are enrolled at International Information Technology University for 2 semesters. During these 2 semesters, Double Degree students need to obtain 60 credit points (ECTS) as described in the study and examination regulations of International Information Technology University.

Two Semesters at International IT University:

In the two semesters, Double Degree students take part in the following courses:

	ECTS	Semester
Electives*:		
Machine Learning - 1	4	5
NoSQL Databases	5	5
UX/UI development	4	5
Front-end development	6	5
Systems Administration	4	5
Switching, Routing, and Wireless Essentials	6	5
Machine Learning - 2	6	6
Big Data Processing	6	6
Engineering in machine learning	6	6
Introduction to back-end technologies	6	6
Advanced front-end technologies	6	6
Mobile technologies and applications	6	6
Audio and Text processing	6	7
Introduction to Computer Vision	6	7
Advanced back-end technologies	6	7
DevOps	6	7
Connecting Networks	6	7
Life cycle of network equipment	6	7
ECTS in total		

*Students are free to choose from the course offerings if they have not already taken the course at Hof University of Applied Sciences.

Appendix 4

The list of required documents needed to be sent to Hof University of Applied Sciences after graduation from International Information Technology University.

- 1) Bachelor transcript of records. It should be in English and be certified International Information Technology University (by putting a stamp there)
- 2) A copy of the official document of graduation. It should be in English and be certified by International Information Technology University or notary.
- 3) A copy of internship contract, written report about the internship and proof of the internship signed by the company.

Appendix 5

The list of required documents needed to be sent to International Information Technology University after graduation from Hof University of Applied Sciences.

- 1) Bachelor transcript of records. It should be in English and be certified by Hof University of Applied Sciences (by putting a stamp there)
- 2) A copy of the official document of graduation. It should be in English and be certified by Hof University of Applied Sciences or notary.
- 3) A copy of internship contract, written report about the internship and proof of the internship signed by the company.