



BACHELOR URKUNDE BACHELOR CERTIFICATE

Hochschule Pforzheim / Pforzheim University

Mit dieser Urkunde wird
This is to certify that

Hannes Wendel

geboren am / born on 23.08.1997 in Bad Teinach
aufgrund der bestandenen Bachelor-Prüfung im Studiengang
having completed the academic requirements of the Program of Studies

“Wirtschaftsingenieurwesen”

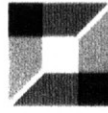
der akademische Grad verliehen
is awarded the degree of

Bachelor of Science (B.Sc.)

Sie/Er ist berechtigt, die Berufsbezeichnung “Wirtschaftsingenieurin/Wirtschaftsingenieur”
zu tragen

She/He is authorized to bear the professional title of
“Wirtschaftsingenieurin/Wirtschaftsingenieur”

Pforzheim, 30.09.2021



AACSB
ACCREDITED



W. Ulrich Jautz
Prof. Dr. Ulrich Jautz
Rektor / Rector



TRANSCRIPT OF RECORDS

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Firstname, Surname: Hannes Wendel Date and place of birth: 23.08.1997 in Bad Teinach
 Degree: Bachelor of Science, B.Sc. Home University: Hochschule Pforzheim
 Matriculation number: 317362 Date: 24-09-2021

Business Administration and Engineering (B.Sc.)

Module no.	Exam description	Language	Contact hours	ECTS Credits	Grade
0001	pre-Internship	German	0	0	0.0
MEN1281	Engineering Mechanics	German	30	2	2.0
MEN1282_83	Introduction to Mechanical Design/Material Science	German	90	7	3.7
MNS1010	Mathematics	German	90	8	3.3
BAE1120	Business Administration I	German	60	5	2.0
ECO1301	Economics 1	German	30	2	1.7
ECO1302	Economics 2/3	German	60	4	3.0
BAE1081	Object-oriented Programming	German	45	3	3.3
BAE1082	Programming Lab	German	15	1	0.0
BAE1034	Programming Project 1	German	30	2	2.3
LAN1501	Business English 1	English	30	2	2.0
LAN1502	English for Engineers	English	30	3	1.0
LAW1300	Law	German	60	5	3.3
MNS1181	Physics	German	60	5	4.0
MEN1271	Manufacturing Technology 1	German	60	4	1.7
MEN1272	Manufacturing Technology 1 Laboratory	German	30	2	0.0
BAE1150	Quantitative Methods - Statistics 1 / Operat. Research 1	German	60	5	2.3
0199	Bachelor pre-degree examination	German	735	60	2.7
EEN2901	Introduction to Electrical Engineering	German	60	5	3.3
MEN2171	Manufacturing Technology 2	German	15	1	2.3
MEN2172	Manufacturing Technology 2 Laboratory	German	15	1	0.0
BAE2118	Production Management	German	60	5	3.0
BAE2080	Statistics 2 / Operations Research 2	German	60	4	1.7
BAE2231	Programming Project 2	German	30	3	1.9
BAE2033	IT Applications	German	30	2	3.0
BAE2034	Lab Exercises in IT Applications	German	30	2	0.0
BAE2191_92	Financing and Investment, Business Management	German	60	5	2.0
BAE2193	Business Organisation	English	30	3	3.0
BAE2241	Management Methods A	German	30	2	1.3
BAE2242	Management Methods B	German	30	3	1.7
BAE2114_13	Production Engineering and Manufacturing 1+2	German	45	3	1.3
BAE2115	Production Engineering and Manufacturing 1 Laboratory	German	15	1	0.0
BAE2250	International Technical Sales 1 and 2	German	60	4	1.7

TRANSCRIPT OF RECORDS

Business Administration and Engineering (B.Sc.)

Module no.	Exam description	Language	Contact hours	ECTS Credits	Grade
ISS2211_13	System Engineering 1 and 2	German	45	3	1.7
ISS2212	System Engineering 1 Laboratory	German	15	1	0.0
BAE2132_34	Information Technology	Germ./Engl.	45	3	1.0
BAE2135	Information Technology 1 Laboratory	German	15	1	0.0
BAE2091_94	Financial Control	German	60	4	2.0
BAE2120	Logistics	Germ./Engl.	60	4	2.0
LAN3041	Business English 2	English	30	3	0.0
ISS3251	Research Methods and Academic Writing	German	30	2	0.0
BAE3240	Management Methods II	German	60	4	1.7
BAE3250	Project Methods and Creativity	German	60	8	1.2
BAE2210	Interdisciplinary Project	German	60	4	1.3
INS3082	Internship	--	0	25	0.0
COL4999	Scientific Colloquium	German	30	2	0.0
THE4999	Bachelor Thesis	German	0	12	1.0
BAE4200	Electives		300	30	1.9
BAE4026	Controller Workshop	German	30	3	2.1
BAE4027	Controller Case Studies	English	30	3	2.0
BAE4028	Controller Business Simulation	German	30	3	1.7
BAE4029	Financial Control in Production	German	30	3	1.3
BAE4062	Internet Technology	German	30	3	3.3
BAE4066	Collaborative Business and Business Intelligence	English	30	3	2.0
BAE4067	Software Engineering	German	30	3	1.7
BAE4074	Webdesign	German	30	3	1.2
EEN2035	GUI - Graphical User Interfaces	English	30	3	1.0
HOT0020	Introduction to Python Programming	German	30	3	3.0
BAE4260	Information Technology		120	12	2.0
BAE4062	Internet Technology	German	30	3	3.3
BAE4066	Collaborative Business and Business Intelligence	English	30	3	2.0
BAE4067	Software Engineering	German	30	3	1.7
BAE4074	Webdesign	German	30	3	1.2
BAE4020	Controlling		120	12	1.7
BAE4026	Controller Workshop	German	30	3	2.1
BAE4027	Controller Case Studies	English	30	3	2.0
BAE4028	Controller Business Simulation	German	30	3	1.7
BAE4029	Financial Control in Production	German	30	3	1.3
Overall grade					2.0

USA

Explanation:

- (1)

This statement was generated by a computer and is valid without a signature. Additions and changes are subject to confirmation from the Pforzheim University.

(2)

Regarding the possible tentativeness of recently added grades, please note § 60 para. 1 StuPO.

(3)

Italic, gray formatted entries are total results of modules, resulting from partial performances (with successive module numbers) which have been automatically generated upon final completion.

(4)

Description of grading system used at the Pforzheim University:
- | | |
|----------------------------------|-----------------|
| 0.0 | pass (ungraded) |
| up to and including 1.4 | excellent |
| from 1.5 up to and including 1.8 | very good |
| from 1.9 up to and including 2.5 | good |
| from 2.6 up to and including 3.5 | satisfactory |
| from 3.6 up to and including 4.0 | sufficient |
| from 4.1 | fail |
| TG | participated |