

TECHNISCHE HOCHSCHULE MITTELHESSEN
University of Applied Sciences
Campus Gießen

Degree Certificate
Bachelor of Science (B. Sc.)

Chineen Ibrahim Ismael

Born on 01 November 2000 in IRQ

Student ID Number: 5412277

Department **Life Science Engineering**

Course of study **Biomedical Engineering**

has successfully completed the final Bachelor's Examination with the

Overall grade: satisfactory (2,7 / 70 %)

and achieved the following individual grades:

Bachelor Thesis

Subject: **Cold Atmospheric plasma, laser and microneedling skin fibroblast therapy**

Grade: good (2,4)

Percentage Points: 75

Credit Points: 12

Compulsory Modules	Grades		Percentage Points	Credit Points (CrP*1)
Mathematics 1*	satisfactory	3,0	65	6
Physics 1*	satisfactory	3,0	65	6
Chemistry 1*	good	2,0	80	6
Biology*	excellent	1,1	94	6
Introduction to Studies and the Vocational Field of Biomedical Engineering*	passed			6
Mathematics 2*	sufficient	3,8	54	6
Physics 2*	good	2,0	80	6
Electronic Circuits*	satisfactory	3,0	65	6
Statistics / Analysis of scientific data*	satisfactory	3,4	60	6
Medical Fundamentals*	satisfactory	3,0	65	6
Mathematics 3*	satisfactory	3,0	65	6
Physics 3*	satisfactory	3,0	65	6
Control Engineering*	sufficient	3,8	54	6
Applied Electronics*	good	2,0	80	6
Microbiology and Sanitation*	sufficient	3,8	54	6
Materials and Strength of Materials*	good	2,0	80	6
Digital Systems*	satisfactory	3,0	65	6
Biomechanics*	satisfactory	3,0	65	6
Medical Devices*	satisfactory	3,0	65	6
Business Administration /Law*	good	1,6	87	6
Applied Medical Physics*	satisfactory	3,0	65	6
Practical Training in Biomedical Technology	participated with succes			18

Ismael, Chineen Ibrahim, born on: 01 November 2000

Compulsory Modules		Grades	Percentage Points	Credit Points ¹ (CrP* ¹)	
Biomedical Multibody Systems*		good	2,0	80	6
Image Processing*		satisfactory	3,0	65	6
Microprocessor and Microcontroller*		satisfactory	3,0	65	6
Biomedical Measurement and Signal Processing*		satisfactory	3,0	65	6
Overall Grade:		satisfactory	2,7	70	180

For the duration of studies, the course of study was accredited by AQAS Köln..

Gießen, 15 February 2023

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Dean



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Head of the Examination Board

^{*1} according to the „European Credit Transfer System“
^{*} recognised academic performances from abroad
^{**} recognised academic performances from within Germany

excellent	1,0 – 1,5	(100 – 88%)
good	1,6 – 2,5	(87 – 73%)
satisfactory	2,6 – 3,5	(72 – 58%)

sufficient	3,6 – 4,0	(57 – 50%)
insufficient / fail	5,0	(<50%)

BACHELOR CERTIFICATE

Chlneen Ibrahim Ismael

born on 01. November 2000

in IRQ

has on 15. February 2023

the Bachelor Examination in the

Bachelor Programme

Biomedical Engineering

Department

Life Science Engineering

successfully completed.

On the base of this examination
the Technische Hochschule Mittelhessen /
University of Applied Sciences
confers the academic degree
Bachelor of Science
Short form: B.Sc.

Gießen, 15 February 2023


President





Dean