

Philippe Andrin BRIGGER

born on 12 April 1999, matriculation number 18-927-822

has passed the following examinations

at the Department of Mechanical and Process Engineering

according to the regulations of 6 July 2010

for the Bachelor's Degree in Mechanical Engineering

	Grade/Result	Weight	Credits (ECTS)
First Year Examinations			
Analysis I / Analysis II	5.75	[16]	
Linear Algebra I / Linear Algebra II	5.75	[6]	
Mechanics 1: Kinematics and Statics / Mechanics 2: Deformable Solids and Structures	5.75	[11]	
Engineering Materials and Production I / Engineering Materials and Production II	6.00	[8]	
Machine Elements / Innovation Process	5.50	[8]	
Informatics	5.25	[4]	
Chemistry	5.50	[3]	
Average First Year Examinations	5.70	33	52
Additional First Year Courses			
Innovation Project	5.00	0	2
Technical Drawing and CAD	5.75	0	4
Second and Third Year Compulsory Courses			
Examination Block 1			
Analysis III	6.00	[3]	
Dynamics	5.50	[6]	
Dimensioning I	4.75	[3]	
Thermodynamics I	6.00	[4]	
Control Systems I	5.50	[4]	
Average Examination Block 1	5.56	12	20
Examination Block 2			
Physics I / Physics II	4.50	[10]	
Electrical Engineering I	5.50	[3]	
Fluid Dynamics I	5.25	[6]	
Thermodynamics II	5.00	[4]	
Average Examination Block 2	4.91	14	23
Examination Block 3			
Thermodynamics III	5.50	[3]	
Fluid Dynamics II	6.00	[3]	
Average Examination Block 3	5.75	4	6
Electives			
Introduction to Quantum Mechanics for Engineers	5.50	[4]	4
Models, Algorithms and Data: Introduction to Computing	5.50	[4]	4
Control Systems II	6.00	[4]	4

Director of Studies

Prof. Dr. Markus Bambach

Weights in brackets serve for the partial averages, weights without brackets for the overall grade point average.

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Electives (continued)			
Signals and Systems	5.50	(4)	4
Stochastics (Probability and Statistics)	5.75	(4)	4
System Modeling	5.75	(4)	4
Average Electives	5.67	15	
Focus Project			
Flying Manipulator	5.75	(14)	14
Practice Course Product Development	passed		1
Programming for Robotics - Introduction to ROS	5.25	(1)	1
Theory of Robotics and Mechatronics	4.50	(4)	4
Average Focus Project	5.46	13	
Engineering Tools			
Engineering Tool: Advanced Programming with C++	passed		0.4
Engineering Tool: Parallel and Concurrent Programming in C++	passed		0.4
Engineering Tool: Introduction to C++ Programming	passed		0.4
Engineering Tool: Introduction to MATLAB	passed		0.4
Engineering Tool: Scientific Writing with LaTeX and Vector Graphics	passed		0.4
Laboratory Practice			
Laboratory Practice	passed		2
Science in Perspective			
Digital Society: Ethical, Societal and Economic Challenges	6.00	0	3
Spanish B2: Starter	5.50	0	2
Environmental Management	5.50	0	2

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	Grade/Result	Weight	Credits (ECTS)
Workshop Training			
Workshop Training	passed		5
Bachelor's Thesis			
Bachelor's Thesis		5.75 9	14
Overall Grade Point Average		5.54	
Total Credits			181



Grading scale: 6 is the highest, 1 is the lowest grade; passmark is 4. Ungraded performance assessments are marked with either passed or failed. Credits are granted only if an examination block is graded as passed. An ECTS credit corresponds to a workload of 30 hours.

It is decreed:

1. The candidate is awarded the Bachelor's Degree in Mechanical Engineering.
2. The candidate is awarded the title Bachelor of Science ETH in Mechanical Engineering. Short titles: BSc ETH ME or BSc ETH.

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Further achievements in the Bachelor's Programme in Mechanical Engineering

Bioengineering

	Grade/Result	Credits (ECTS)
	4.25	4

Director of Studies
Prof. Dr. Markus BambachCertified Translation
ETH Zurich, 27 September 2021This document contains a digitally imprinted signature. For further information regarding this document please see www.records.ethz.ch.