



# Transcript of Records

Name of Institution: MCI | Die Unternehmerische Hochschule®  
MCI | The Entrepreneurial University®  
Title of Program: Mechatronics  
Degree: Bachelor of Science in Engineering (BSc)

NAME OF STUDENT, DEGREE Vella Nedelcheva	DATE OF BIRTH May 30, 2001
STUDENT REGISTRATION NUMBER 52113563	DATE OF REGISTRATION August 1, 2021
DEGREE AWARDED (ABBREVIATION) Bachelor of Science in Engineering (BSc)	DATE OF GRADUATION November 7, 2025

COURSE CODE	TITLE OF THE COURSE	COURSE TYPE <sup>(1)</sup>	UNITS PER WEEK <sup>(2)</sup>	LOCAL GRADE <sup>(3)</sup>	ECTS CREDITS <sup>(4)</sup>
<b>FALL SEMESTER 2021/2022   1<sup>st</sup> SEMESTER</b>					
MECH-B-1-ELT-ELT-LB	Fundamentals of Electrical Engineering - Laboratory Work	LB	1	4	1
MECH-B-1-ELT-ELT-VO	Fundamentals of Electrical Engineering	VO	3	4	4
MECH-B-1-MAT-MAT-UE	Fundamentals of Mathematics 1 - Exercises	UE	1	2	1
MECH-B-1-MAT-MAT-VO	Fundamentals of Mathematics 1	VO	2	4	3
MECH-B-1-MBG-KON-ILV	Design Engineering + CAD	ILV	3	3	4
MECH-B-1-MBG-WSP-LB	Workshop Exercises	LB	2	sc	2
MECH-B-1-MF1-ENG-SE	English	SE	2	3	2
MECH-B-1-MF1-PRO-SE	Project Management	SE	1	4	1
MECH-B-1-MF1-WIA-ILV	Academic Writing	ILV	1	3	1
MECH-B-1-PHY-TPH-UE	Engineering Physics 1 - Exercises	UE	1	1	1
MECH-B-1-PHY-TPH-VO	Engineering Physics 1	VO	2	4	3
<b>SPRING SEMESTER 2022   2<sup>nd</sup> SEMESTER</b>					
MECH-B-2-AST-PST-LB	Linear Electronics Laboratory Work	LB	2	3	2
MECH-B-2-MAE-MAS-UE	Machine Elements 1 - Exercises	UE	1	4	1
MECH-B-2-MAT-MAT-UE	Fundamentals of Mathematics - Exercises	UE	1	1	1
MECH-B-2-MF1-ENG-SE	English	SE	2	4	2
MECH-B-2-MST-MTS-VO	Sensors & Signals	VO	2	2	3
MECH-B-2-MST-TI1-ILV	Computer Engineering 1	ILV	1	2	1
MECH-B-2-PHY-TPH-UE	Engineering Physics 2 - Exercises	UE	1	1	1
<b>FALL SEMESTER 2022/2023   1<sup>st</sup> SEMESTER</b>					
MECH-B-1-ELT-ELT-ILV	Electrical Engineering	ILV	3	ac	5
MECH-B-1-ENG-ENG1-ILV	English I	ILV	2	ac	2,5
MECH-B-1-MAB-MAB1-ILV	Mechanical Engineering 1	ILV	4	2	5
MECH-B-1-MAT-MAT1-ILV	Mathematics I	ILV	4	ac	5
MECH-B-1-PHY-PHY-ILV	Physics	ILV	4	ac	5



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<b>FALL SEMESTER 2022/2023   1<sup>st</sup> SEMESTER</b>					
MECH-B-1-PRO-PRO1-ILV	Programming 1	ILV	2	3	2,5
MECH-B-1-TME-TEM1-ILV	Engineering Mechanics 1	ILV	4	4	5
<b>SPRING SEMESTER 2023   2<sup>nd</sup> SEMESTER</b>					
MECH-B-2-ENG-ENG2-ILV	English 2	ILV	2	3	2,5
MECH-B-2-IOT-IOT1-ILV	Internet of Things 1	ILV	4	2	5
MECH-B-2-ISK-PET-ILV	Personality & Team	ILV	4	1	5
MECH-B-2-MAB-MAB2-ILV	Mechanical Engineering 2	ILV	4	2	5
MECH-B-2-MAT-MAT2-ILV	Mathematics 2	ILV	4	3	5
MECH-B-2-PRO-PRO2-ILV	Programming 2	ILV	2	3	2,5
MECH-B-2-TME-TME2-ILV	Engineering Mechanics 2	ILV	4	4	5
<b>FALL SEMESTER 2023/2024   3<sup>rd</sup> SEMESTER</b>					
IEL-B-3+5-WPM-IEL	Human-AI Collaboration	ILV	3	3	5
MECH-B-3-IOT-IOT2-ILV	Internet of Things 2	ILV	4	2	5
MECH-B-3-ISK-LSP-ILV	Innovation & Lego Serious Play	ILV	4	2	5
MECH-B-3-MDT-MET-ILV	Measurement Technology	ILV	4	3	5
MECH-B-3-NUM-NUM-ILV	Numerics	ILV	4	1	5
MECH-B-3-SWD-SWD-ILV	Softwaredesign	ILV	4	4	5
<b>SPRING SEMESTER 2024   4<sup>th</sup> SEMESTER</b>					
MECH-B-4-MDT-EMB-ILV	Embedded Systems	ILV	4	3	5
MECH-B-4-MLDS-MLDS1-ILV	Machine Learning & Data Science I	ILV	4	2	5
MECH-B-4-MRV-MRO-ILV	Mobile Robotics	ILV	4	1	5
MECH-B-4-REG-REG1-ILV	Control Engineering I	ILV	4	4	5
MECH-B-4-ROA-AUT-ILV	Automation Technology	ILV	4	1	5
MECH-B-4-TFD-TFD-ILV	Thermo & Fluid Dynamics	ILV	4	4	5
<b>FALL SEMESTER 2024/2025   5<sup>th</sup> SEMESTER</b>					
MECH-B-5ANT-ANT-ILV	Drive Technology	ILV	3	2	5
MECH-B-5-MEN-PMB-ILV	Project Management & Fundamentals of Business Administration	ILV	4	3	5
MECH-B-5-MLDS-MLDS2-ILV	Machine Learning & Data Science II	ILV	3	1	5
MECH-B-5-MRV-IMP-ILV	Image Processing	ILV	4	1	5
MECH-B-5-REG-REG2-ILV	Control Engineering II	ILV	3	4	5
MECH-B-5-ROA-ROB-ILV	Robotics	ILV	3	2	5
<b>SPRING SEMESTER 2025   6<sup>th</sup> SEMESTER</b>					
MECH-B-6-BA-BAB-BA	Bachelor Thesis	-	-	4	11
MECH-B-6-BA-BAP-BA	Bachelor Examination	-	-	passed	1
MECH-B-6-BA-BPR-BPR	Internship	-	-	completed	12
MECH-B-6-BA-SEB-ILV	Bachelor Thesis Seminar	ILV	1	SC	1
MECH-B-6-MEN-ENT-ILV	Entrepreneurship	ILV	4	1	5
TOTAL ECTS CREDITS					214



GRADE POINT AVERAGE  
weighted by ECTS credits (except courses with "sc", "ac" or "completed" and repeat courses)

2.64

Dipl.-Ing. Dr. techn. Phillip Kronthaler  
Head of Department & Studies

Innsbruck, November 7, 2025



## LEGEND

(1) **Course types:** VO = lecture, ILV = integrative lecture, SE = seminar, PS = introductory seminar, VO/UE = lecture including practical exercises, PR = project work, IEL = interdisciplinary elective, LB = laboratory, UE = practical exercises, VO/LB = lecture including laboratory

(2) **Units per Week** 1 teaching unit = 45 minutes

(3) **Description of grading system and grading distribution (ECTS grading table) for Mechatronics** (based on the total number of grades awarded for all students in the degree program concerned during two preceding years).

Austrian grading scheme	Definition of grading system		Grading percentage
1	$\geq 90\%$	excellent: outstanding performance	35 %
2	$80\% \leq x < 90\%$	good: generally good, but with some errors	28 %
3	$70\% \leq x < 80\%$	satisfactory: generally sound work with a number of substantial errors	19 %
4	$60\% \leq x < 70\%$	sufficient: performance meets the minimum criteria	14 %
sc		successfully completed: positive performance, where a strict differentiation is not adequate	4 %
5	$< 60\%$	unsatisfactory: substantial improvement necessary; requirement of further work	
nc		not completed: negative performance, where a strict differentiation is not adequate	
ac		accredited: credit awarded for academic work based on certifications of other institutions	
passed with distinction	$\geq 90\%$	outstanding performance	
passed with merit	$80\% \leq x < 90\%$	performance significantly above average	
passed	$< 80\%$	positively passed	

(4) **ECTS credits:** 1 academic year = 60 credits, 1 semester = 30 credits