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**Matriculation No.:**  
**3437515**  
**Semester: 8**  
**02/07/2024**

## Transcript of Records

### Major: Electrical Engineering - Master of Science

ECTS Credits: 120

Grade: 2.2

You have so far achieved the following examination results or are registered for following examinations:

	Module Title	Attempt	Date	Grade	ECTS	Status	Remarks
					CP		
<b>Electrical Engineering</b>				<b>2.2</b>	<b>120.0</b>	<b>PA</b>	
<b>100</b>	<b>Core Modules</b>		<b>08/11/2023</b>	<b>3.1</b>	<b>36.0</b>	<b>PA</b>	
<b>101</b>	<b>Major Smart Information Processing</b>		<b>08/11/2023</b>	<b>3.1</b>	<b>36.0</b>	<b>PA</b>	
<b>21830</b>	<b>Communications III</b>		<b>04/08/2021</b>	<b>3.7</b>	<b>6.0</b>	<b>PA</b>	
2183100000	Communications III	1	04/08/2021	3.7		PA	
<b>22190</b>	<b>Detection and Pattern Recognition</b>		<b>09/01/2020</b>	<b>3.0</b>	<b>6.0</b>	<b>PA</b>	
2219100000	Detection and Pattern Recognition	1	09/01/2020	3.0		PA	
<b>75960</b>	<b>Deep Learning</b>		<b>09/09/2020</b>	<b>2.7</b>	<b>6.0</b>	<b>PA</b>	
7596100000	Deep Learning	1	09/09/2020	2.7		PA	
<b>77910</b>	<b>Advanced Mathematics for Signal and Information Processing</b>		<b>08/11/2023</b>	<b>4.0</b>	<b>6.0</b>	<b>PA</b>	
7791100000	Advanced Mathematics for Signal and Information Processing	3	08/31/2023	4.0		PA	oral
<b>79260</b>	<b>Sensor principles and integrated interface circuits</b>		<b>03/03/2020</b>	<b>2.7</b>	<b>6.0</b>	<b>PA</b>	
7926100000	Sensor principles and integrated interface circuits Exam	1	03/03/2020	2.7		PA	
<b>101950</b>	<b>Semiconductor Engineering IV – Intelligent Sensors and Actors (SE IV)</b>		<b>08/20/2021</b>	<b>2.7</b>	<b>6.0</b>	<b>PA</b>	
1019510000	Semiconductor Engineering IV – Intelligent Sensors and Actors (SE IV)	1	08/20/2021	2.7		PA	
<b>200</b>	<b>Supplementary Modules</b>		<b>05/09/2022</b>	<b>2.2</b>	<b>45.0</b>	<b>PA</b>	
<b>201</b>	<b>Elective Modules</b>		<b>03/01/2022</b>	<b>2.1</b>	<b>30.0</b>	<b>PA</b>	
<b>35930</b>	<b>Network Security</b>		<b>02/18/2020</b>	<b>1.7</b>	<b>3.0</b>	<b>PA</b>	
3593100000	Network Security	1	02/18/2020	1.7		PA	
<b>56470</b>	<b>Software Engineering for Real-Time Systems</b>		<b>03/01/2022</b>	<b>2.0</b>	<b>6.0</b>	<b>PA</b>	
5647100000	Software Engineering for Real-Time Systems	1	03/01/2022	2.0		PA	

	Module Title	Attempt	Date	Grade	ECTS	Status	Remarks
					CP		
<b>60230</b>	<b>Matrix Computations in Signal Processing and Machine Learning</b>		<b>02/11/2020</b>	<b>2.3</b>	<b>3.0</b>	<b>PA</b>	
6023100000	Matrix Computations in Signal Processing and Machine Learning	1	02/11/2020	2.3		PA	
<b>70090</b>	<b>Battery modelling and Energy Management</b>		<b>05/14/2020</b>	<b>2.3</b>	<b>6.0</b>	<b>PA</b>	
7009100000	Battery modelling and Energy Management	1	05/14/2020	2.3		PA	
<b>72210</b>	<b>Deep Learning Applications for Communications</b>		<b>02/16/2021</b>	<b>3.0</b>	<b>3.0</b>	<b>PA</b>	
7221100000	Deep Learning Applications for Communications	1	02/16/2021	3.0		PA	
<b>102300</b>	<b>Automotive Radar Systems for Autonomous Driving</b>		<b>03/25/2021</b>	<b>2.7</b>	<b>3.0</b>	<b>PA</b>	
1023010000	Automotive Radar Systems for Autonomous Driving	1	03/25/2021	2.7		PA	
<b>102650</b>	<b>Modeling and Analysis of Automation Systems</b>		<b>08/27/2021</b>	<b>1.7</b>	<b>6.0</b>	<b>PA</b>	
1026510000	Modeling and Analysis of Automation Systems	1	08/27/2021	1.7		PA	
<b>80040</b>	<b>Research Project Electrical Engineering and Information Technology</b>		<b>05/09/2022</b>	<b>2.3</b>	<b>15.0</b>	<b>PA</b>	
8004100000	Research Project Electrical Engineering and Information Technology	1	05/09/2022	2.3		PA	
	Conditional GAN based Mask Guided Portrait Editing						
<b>400</b>	<b>Key Qualifications Related to the Subject</b>		<b>09/15/2023</b>	<b>1.7</b>	<b>6.0</b>	<b>PA</b>	
<b>76640</b>	<b>Master Lab Course</b>		<b>09/15/2023</b>	<b>1.7</b>	<b>6.0</b>	<b>PA</b>	
7664100000	Master Lab Course	1	09/15/2023	1.7		PA	
<b>900</b>	<b>Interdisciplinary Key Qualifications</b>		<b>01/22/2021</b>		<b>3.0</b>	<b>PA</b>	
<b>904</b>	<b>Domain of Competence 4: Personnel Skills</b>				<b>3.0</b>		
<b>940350</b>	<b>Qualification for Student Tutors</b>		<b>01/22/2021</b>	<b>PA</b>	<b>3.0</b>	<b>PA</b>	
9403510000	Qualification for Student Tutors	1	01/22/2021	PA		PA	
<b>80050</b>	<b>Master Thesis Electrical Engineering and Information Technology</b>		<b>09/01/2023</b>	<b>1.3</b>	<b>30.0</b>	<b>PA</b>	
8005100000	Master Thesis Electrical Engineering and Information Technology	1	09/01/2023	1.3		PA	

The legal information on the overleaf as well as the exemplifications listed are part of this certificate. This certificate contains all examination data of your studies saved automatically by the Central Administration of the University of Stuttgart. In accordance with the paragraph 37 section 5 of the Landesverwaltungsverfahrensgesetz (Administrative Procedure Act) it is not signed.

## Errors / Missing data

If you think that a mistake has occurred in your TOR, please inform the official in charge at the Examination Office.

Examination results and withdrawals may not have been entered because of short notice. This may be due to the fact that the Examination Office was either not informed or was not able to enter the data in time. If you do not plan a transfer or a change from one kind of degree course to another, please tolerate missing data.

## Instruction on right to appeal

An appeal may be filed against this decision within one month of its announcement at Universität Stuttgart, Keplerstraße 7, 70174 Stuttgart, Germany.

If the objection is not accepted, a fee of 60 euros will be charged.

## Notes

Please note the regulations in your examination regulations concerning number of attempts, withdrawals and deadlines.

A leave of absence does not annul the examination regulations.

## Explanations

Attempt	Number of attempts to take the examination	
1	1 <sup>st</sup> attempt	
2	2 <sup>nd</sup> attempt (1 <sup>st</sup> repetition)	
3	3 <sup>rd</sup> attempt (2 <sup>nd</sup> repetition)	
Date	Date of examination (if necessary, date of oral repeat examination)	
or	Date of handing in paper, thesis or final project	
or	Date when a 5.0 grade was assigned because an examination was not taken in due time	
or	Semester of registration. Semester when a student has to take an exam she / he is registered for	
	YYYY/1 = Summer Semester (exam in fall)	
	YYYY/2 = Winter Semester (exam in spring)	
ECTS CP	ECTS Credit-Points (bachelor- and master degree programme)	
Status	RE	registered
	PA	passed
	RL	right of admission to an examination lost
	FA	failed
Miscellaneous	CP	credit points
	SPW	semester periods per week
Remarks	confirmed	grade accepted by board of examiners
	automReg	automatically registered
	free/noc	free attempt / no count on grades
	free/grade	free attempt / to improve grade
	ill	excused due to illness
	oral	oral resumption
	failed/n-a	failed / non-attendance
	admission/r	admission to take examination rejected
	withdraw/t	withdrawal within time
	withdraw/p	board of examiners permitted withdrawal
	with reser	registered with reservation
	deception	deception
	adm/canc	admission canceled