

Transitional regulations

Electrical System Engineering Master
v2 → v3

Date: 03.09.2024





General information

Following the successful reaccreditation of the Master studies Electrical System Engineering v3 on 01.10.2024, it will be possible to switch from the old ESEMA v2 study version to the new study version

Some general information is given below and the crediting table is shown in the appendix.

Please note the following:

- If you change the study version, the modules you have already attempted will be transferred.
- It is recommended that you seek advice from the ET Student Advisory Service¹ in advance.
- The new examination regulations, consisting of the General and Special Provisions, can also be found on the pages of the ET Student Advisory Service².
- In the event of ambiguities or cases not shown, there is the possibility of a case-by-case decision via the Chair of the Examination Board.
- A change to the new version of the examination regulations is irrevocable.

Modalities of the change / expiry regulations

The change to the new examination regulations can be made at any time with effect from 01.04. / 01.10. The change is declared informally to the Central Examination Office. It is planned that this will also be possible in future via the application area in your PAUL account.

Expiry regulations ESEMA v2 according to §44 AM 34.24

1. Students who do not change to these Special Provisions may take their Master's examination, including repeat examinations, for the last time in the summer semester 2027 in accordance with the old version of the examination regulations. Thereafter, the Master's examination, including repeat examinations, will be taken in accordance with the new Special Provisions.
2. The examination including re-examination for the modules "Fields and Waves" and "Statistical and Machine Learning (6 credit points)" can be taken for the last time in the winter semester 2025/26 according to the old version of the examination regulations.
3. The project work module can be registered for the last time in the summer semester 2024 according to the old version of the examination regulations. For modules registered from winter semester 2024/25 onwards, the regulations of the new Special Provisions apply.

Appendix – Crediting Table

¹ <https://ei.uni-paderborn.de/en/studium/beratung-und-unterstuetzung/student-advisory-service>

² <https://ei.uni-paderborn.de/en/studies/formalities/examination-regulations-and-module-manuals>



Electrical Systems Engineering Master v2

Module	Name	CP
	<u>Module Group: Introduction to ESE Compulsory Subjects</u>	
M.048.92001	Advanced System Theory	6
M.048.90102	Modeling and Simulation	6
	<u>Module Group: Management and Application Compulsory Subjects</u>	
M.048.90103	Management of Technical Projects	3
M.048.90104	Topics in Systems Engineering	3
	<u>Module Group: Fundamentals of ESE Compulsory Electives</u>	
	<i>Module 1</i>	6
	<i>Module 2</i>	6

Signal and Information Processing

	<u>Module Group: Introduction to Signal and Information Processing</u>	
M.048.92004	Statistical Signal Processing	6
M.048.92005	Statistical and Machine Learning	6
	<u>Module Group: Signal and Information Processing Compulsory Electives</u>	
	<i>Module 1</i>	6
	<i>Module 2</i>	6
	<u>Module Group: Electrical Systems Engineering Electives</u>	
	<i>Module 1</i>	6

Electrical Systems Engineering Master v3

Module	Name	CP
	<u>Module Group: Introduction to ESE Compulsory Subjects</u>	
M.048.92001	Advanced System Theory	6
M.048.90102	Modeling and Simulation	6
	<u>Module Group: Management and Application Compulsory Subjects</u>	
M.048.90103	Management of Technical Projects	3
M.048.90104	Topics in Systems Engineering	3
	<u>Module Group: Fundamentals of ESE Compulsory Electives</u>	
	<i>Module 1</i>	6
	<i>Additional Modules (not counted in GPA)</i>	

Signal and Information Processing

	<u>Module Group: Introduction to Signal and Information Processing</u>	
M.048.92004	Statistical Signal Processing	6
M.048.92046	Statistical and Machine Learning	9
	<u>Module Group: Signal and Information Processing Compulsory Electives</u>	
	<i>Module 1</i>	6
	<i>Module 2</i>	6
	<u>Module Group: Electrical Systems Engineering Electives</u>	
	<i>Module 1</i>	6



Module	Name	LP	Module	Name	LP
	<i>Module 2</i>	6	-->	<i>Module 2</i>	6
	Electronics and Devices			Electronics and Devices	
	<u>Module Group: Introduction to Electronics and Devices</u>			<u>Module Group: Introduction to Electronics and Devices</u>	
	<u>Devices</u>			<u>Devices</u>	
M.048.90101	Fields and Waves	6	-->	M.048.90105	Electromagnetic Waves and Waveguides
M.048.90100	Circuit and Systems Design	6	-->	M.048.90107	Analysis and Design of Electronic Circuits
	<u>Module Group: Electronics and Devices Compulsory</u>			<u>Module Group: Electronics and Devices Compulsory</u>	
	<u>Electives</u>			<u>Electives</u>	
	<i>Module 1</i>	6	-->	<i>Module 1</i>	6
	<i>Module 2</i>	6	-->	<i>Module 2</i>	6
	<u>Module Group: Electrical Systems Engineering</u>			<u>Module Group: Electrical Systems Engineering</u>	
	<u>Electives</u>			<u>Electives</u>	
	<i>Module 1</i>	6	-->	<i>Module 1</i>	6
	<i>Module 2</i>	6	-->	<i>Module 2</i>	6
M.048.98xxx	Single-Semester Project	2 x 9	-->	M.048.98xxx	Single-Semester Project
M.048.98xxx	Single-Semester Project	oder	-->	M.048.98xxx	Single-Semester Project
M.048.985xx	Two-Semester Project	1 x	-->	M.048.985xx	Two-Semester Project
	General Studies	6	-->		General Studies
A.048.90000	Master Thesis Electrical Systems Engineering	30	-->	A.048.90001	Final Degree Module
	Additional Modules (not counted in GPA)				Additional Modules (not counted in GPA)
	Stipulations (ignore if none assigned)				Stipulations (ignore if none assigned)
	Sprachkurse ZfS (extracurricular)				Sprachkurse ZfS (extracurricular)

Failed attempts are taken into account when the PO version is changed

Individual case studies are possible via the PAVI!