Carl von Ossietzky Universität Oldenburg

Curriculum Master Engineering Physics

University of Applied Sciences HOCHSCHULE EMDEN·LEER

	CP ->	3	6	9	12	15	18	21	24	27	30	Sum
Semester ->	4	Thesis										
	CP	30										30
	3	Theoretical Methods		Seminar Advanced Topics in EP		Specialization		Advanced Research Project (Preparation Master Thesis)				
	CP	6		3		6		15				30
	2	Advanced Physics		Engineering Sciences		Specialization		Specialization		Tools and Skills in Engineering Sciences		
	CP	6		6		6		6		6		30
	1	Advanced Physics		Advanced Metrology		Engineering Sciences		Engineering Sciences		Specialization		
	CP	6		6		6		6		6		30

Fields of study	Physics	Engineering	Specialisation	Management	Laboratory	Thesis	compulsory	*elective*

It is possible to specialize in the following areas: ***Biomedical Physics, Acoustics, Laser & Optics or Renewable Energies.***

The master's degree programme comprises compulsory modules (with a student workload of 36 credit points), elective modules (with a student workload of 54 credit points) and the master's thesis module (with a student workload of 30 credit points). The modules are taught in English (but a few courses for the Fachanerkennung DGMP are tought in German).
The elective part comprises 12 credit points of "Advanced Physics", 12 credit points of "Engineering Sciences", 18 credit points of "Specialization" and additional freely chosen 12 credit points from the elective modules.
A specialization is listed on the academic transcript if at least 12 credit points were obtained from modules from the "Engineering Sciences" area in this specialization and at least 18 credit points were obtained from "Specialzation" modules in this specialization area.
A different sequence of the modules is also possible.

For further details check: https://uol.de/ep