

Graphical Overview and Module Tables

Table 1

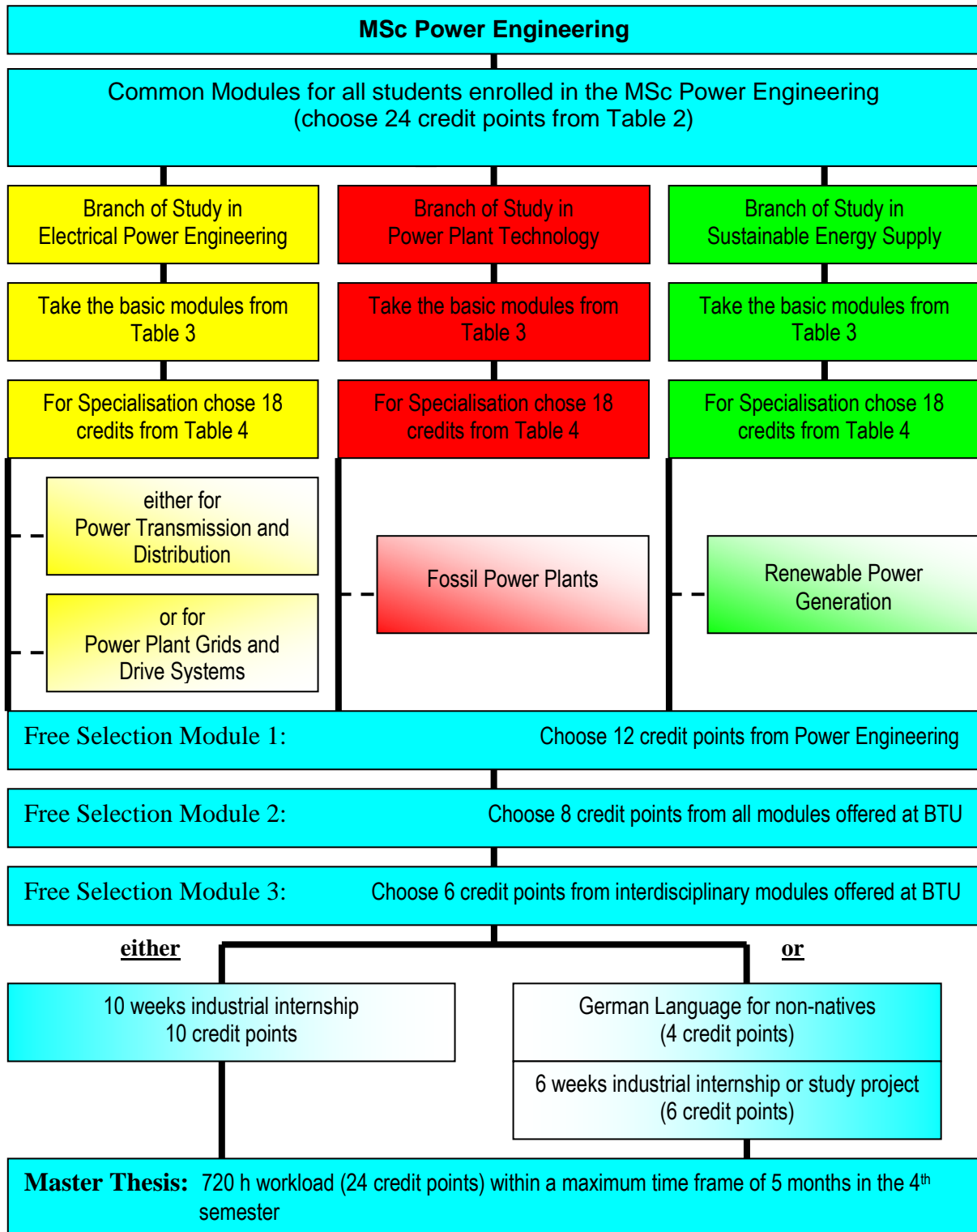


Table 2: Common Modules (choose 24 CP from the list below)

Name of the Module	CP
Introduction in Electrical Power	6
Control Engineering	6
Power System Economics I	6
Power System Economics II	6
Signal Processing and Optimization Methods in Data Mining	6
Power Quality and Industrial Ecology for Smart Manufacturing	6

Table 3: Basic Modules (choose 18 CP from the list below)

Name of the Module	CP
<u>Recommendations for the branch of study “Electrical Power Engineering”</u>	
Medium- and Low-Voltage Technology	6
Basics in Grid Calculation	6
Renewable Energy Technologies for Electrical Power Supply	6
Fundamentals in Power Electronics	6
<u>Recommendations for the branch of study “Power Plant Technology”</u>	
Power Plant Technology 1	6
Power Plant Technology 2	6
Fundamentals in Thermal Process Engineering	6
Auxiliary Power Supply of the Power Plant	6
<u>Recommendations for the branch of study “Sustainable Energy Supply”</u>	
Renewable Energy Technologies for Electrical Power Supply	6
Power Plant Technology 1	6
Biomass and Biogas Co-Generation 1	6
Biomass and Biogas Co-Generation 2	6

Table 4: Modules for Specialisation (choose 18 CP from the list below)

Name of the module	KP	For specialization in (*)
<u>Recommendation for “Electrical Power Engineering”</u>		
High Voltage Engineering and Insulating Materials	6	PTD
Power Automation	6	PTD
High Voltage Measuring and Testing Technique	6	PTD
Power Electronic Applications in High Voltage Grids	6	PTD
Energy Information Systems	6	PTD
EMC in Power Installations	6	PPG
Power Electronic Applications in Drive Systems	6	PPG
Auxiliary Power Supply of the Power Plant	6	PPG, PSO
Power System Operation	12	PPG
<u>Recommendation for “Power Plant Technology”</u>		
Technical Combustion	6	FPP
Thermal Process Engineering and Equilibrium Thermodynamics	6	FPP
Carbon Capture and Storage	6	FPP
Future Technologies in Power Plants	6	FPP
Natural Gas	6	FPP
<u>Recommendation for “Sustainable Energy Supply”</u>		
Photovoltaic	6	RPG
Technology and Operation of Wind Turbines	6	RPG
Wind Energy Economics / Wind Resources Estimation	6	RPG
Sustainable Use of Underground Resources, Geothermal Energy and CO2 Storage	4	RPG

- (*) PTD – Specialization Power Transmission and Distribution
 PPG – Specialization Power Plant Grids and Drive Systems
 PSO – Specialization Power System Operation
 FPP – Specialization Fossil Power Plants
 RPG – Specialization Renewable Power Generation