

Curriculum Pharmaceutical Bioprocess Engineering

Semester	Modules					CP/PL
1.	Automation and Control Engineering (required) 4CP	Advanced Chapters in Bioprocess Engineering (required) 6CP	Bioprocess Engineering and Bioreactors (required) 3CP	Process Technology (required) 9CP	Elective Modules From the following elective areas modules totalling 50CP must be selected: <ul style="list-style-type: none">• Focus Area (at least 20CP)• Profile Area (0-30CP)• Free elective modules (max. 10CP) At least 20 CP must be acquired from the Focus Area. Additionally, at least 30CP must be acquired, which can be from any of the three areas. From the modules Research Internship and industrial internship (Profile Area) a maximum of 10CP may be obtained. From the free elective modules a maximum of 10CP may be selected. 8CP	30/5
2.	4CP	Scientific Computing (required) 5CP	4CP	Elective Modules (Requirements see above) 17CP	30/6	
3. <i>Mobility Window</i>	Bioprocess Technological Seminar (required) 5CP	Elective Modules (Requirements see above) 25CP			30/6	
4.	Master's Thesis (required) 30CP					30/1
Key	Dark Blue = required module Grey = required modules Light Blue = elective modules			Master's Thesis CP = Credit Points		