1. Semester	2. Semester	3. Semester	4. Semester
Advanced Engineering Mathematics Mandatory Course 6 Credits	**Control Theory and Applications** Mandatory Course 6 Credits	**Seminar Scientific Work** 3 Credits	**MASTERTHESIS** 30 Credits
Modeling and Control of Robotic Manipulators Mandatory Course 6 Credits	**Data Science for Engineers** Mandatory Course 6 Credits		
Scientific Programming in Matlab Mandatory Course 3 Credits	**Course Lab** 3 Credits	**Project Work** 6 Credits	
General Education 1* 3 Credits	**General Education 2*** 3 Credits		
Elective Classes in total 45 Credits, at least 30 credits in the selected major field of study (Process Automation, Robotics, Machine Learning)			

*The duration of the Project Work as well as the course „General Education 2“ is one semester. Both courses can be completed in either the 2nd or 3rd semester. We recommend to complete the Project Work in the 3rd semester.

depends on the major field of study

does not depend on the major field of study