Bachelor Management & Technology
Technical Specialization: Computer Engineering
Valid for students who started their studies in WS 23/24 or later

For the specialization in technology Computer Engineering, students must earn 12 credits from the mandatory module CIT5230000 Introduction to Programming and a minimum of 30 credits from a catalog of elective modules.

Recommended order:

Module-Nr.	Module Name	Recommended Semester
⭐ CIT5230000	**Introduction to Programming**	**3.**
MA9714	Mathematics in Natural and Economic Science II	2./4./6.
IN8024	Information Management for Digital Business Models	2./4./6.
CIT3230002	Cloud Information Systems	3./5.
EI10002	Principles in Electrotechnology	3.
IN8005	Introduction into Computer Science (for non-Informatics studies)	3.
CIT3230000	Advanced Concepts of Programming Languages	5.
EI10001	Principles of Information Engineering	4.
EI10003	Analog Electronics	4./6.
EI5183	Control Theory	4./6.
IN0003	Functional Programming and Verification*	4./6.
IN0006	Introduction to Software Engineering	4./6.
IN8029	Informatics Bachelor Practical Courses for Management (application one semester before via matching tool**)	4./5./6.
EI04024	Python for Engineering Data Analysis - From Machine Learning to Visualization	Irregular occurrence & limited spaces
IN2060	Real-time Systems	5.
CIT3330001	Introduction to Emerging Computer Systems	4./6.
MW2086	Modeling of Uncertainty and Data in Engineering Sciences	5. (limited spaces)

Please also note the recommended prerequisites as explained in the module descriptions.

⭐ **Mandatory Course:** Preparation for several other courses like IN0006 and IN0003
* Module language adapted to audience (German or English)