Anlage 1: Wahlpflichtmodule der fachlichen Vertiefung

- Advanced Security and Cryptography
- Wireless Sensor Networks
- Distributed Operating Systems
- Operating Systems Security
- Real Time Systems
- Special Operating Systems
- Component-based Software Engineering
- Internet and Web Applications
- Prediction and Estimation Techniques
- Engineering Adaptive Mobile Applications
- Foundations of Concurrent and Distributed Systems
- Lab: Concurrent and Distributed Systems
- Foundations of Software Fault Tolerance
- Lab: Software Fault Tolerance
- Principles of Dependable Systems
- Current Topics in Systems Engineering
- Robolab Sessions
- Design and Programming of Embedded Multicore Architectures
- Hardware Modelling and Simulation
- Micro-Kernel-based Systems
- Embedded Hardware Systems Design
- Lab: Embedded Hardware Systems
- Foundations of Certified Programming Language and Compiler Design
- Academic Skills in Computer Science
- Across the Disciplines of Distributed Systems Engineering
- Beyond Distributed Systems Engineering

Anlage 2: Wahlpflichtmodule der Sprachausbildung

- English – Advanced Professionals
- German Language Skills

Anlage 3: Schwerpunkte und Modulzuordnung

Im Masterstudiengang Distributed Systems Engineering kann sich aus der Wahl der Studierenden folgende Schwerpunktsetzung ergeben:

- Operating Systems (OS)
- Software Engineering (SE)
- Secure and Dependable Systems (SDS)
- Systems Architecture (SA)

Modul	OS	SE	SDS	SA
Advanced Security and Cryptography			X	
Wireless Sensor Networks				X
Distributed Operating Systems	X			
Operating Systems Security	X		X	
Real Time Systems	X			
Special Operating Systems	X			
Component-Based Software Engineering		X		
Internet and Web Applications		X		
Prediction and Estimation Techniques		X		
Engineering Adaptive Mobile Applications		X		
Foundations of Concurrent and Distributed Systems				X
Lab: Concurrent and Distributed Systems				X
Foundations of Software Fault Tolerance			X	
Lab: Software Fault Tolerance			X	
Principles of Dependable Systems			X	
Current Topics in Systems Engineering			X	
Robolab Sessions		X		
Design and Programming of Embedded Multicore Architectures				X
Hardware Modelling and Simulation				X
Micro-Kernel-based Systems	X			X
Embedded Hardware Systems Design				X
Lab: Embedded Hardware Systems				X
Foundations of Certified Programming Language and Compiler Design		X	X	
Academic Skills in Computer Science	-	-	-	-
Across the Disciplines of Distributed Systems Engineering	A	A	A	A
Beyond Distributed Systems Engineering	A	A	A	A

X … Zuordnung des Moduls zum jeweiligen Schwerpunkt
A … Zuordnung möglich nach Genehmigung durch den Prüfungsausschuss