

| Semester | Module | Part of the module | Responsible Professor | ECTS | PVL | Grade | Examination part A | Examination part B |
|----------|---|-------------------------|-----------------------|------|-----|------------|-----------------------|---------------------|
| 1 | Applied Mathematics | | Schuchardt | 5 | 1 | MN=A | written, 90min | |
| | IT Project Management | | Auth | 5 | 1 | MN=A | written, 90min | |
| | elective module for profiling | | | 5 | | | | |
| | elective module for profiling | | | 5 | | | | |
| | Working in projects | | Dean | 2,5 | 1 | | | |
| 2 | Simulation | | Jokisch | 5 | 1 | MN=A | written, 90min | |
| | Internetworking | | Müller | 5 | 1 | MN=A | written, 90min | |
| | elective module for profiling | | | 5 | | | | |
| | elective module for profiling | | | 5 | | | | |
| | Working in projects | | Dean | 2,5 | 1 | | | |
| 3 | Laboratories in information- and communication technology | | Porzig, Bunge | 5 | 1 | MN=A | written, 90min | |
| | IT Consulting | | Baderschneider | 5 | 1 | MN=A | written, 90min | |
| | elective module for profiling | | | 5 | | | | |
| | elective module for profiling | | | 5 | | | | |
| | Working in projects | | Dean | 2,5 | 1 | | | |
| 4 | IT Security | | Müller | 5 | 1 | MN=A | written, 90min | |
| | IT Law | | Buchmann | 5 | 1 | MN=A | written, 90min | |
| | elective module for profiling | | | 5 | | | | |
| | elective module for profiling | | | 5 | | | | |
| | Working in projects | | Dean | 2,5 | 1 | MN=(A+B)/2 | Paper | Presentation, 20min |
| 9 | Masterthesis | written part defence | Dean | 30 | | | see examination rules | |

Folgende Profilierungsangebote sind grundsätzlich im Studienangebot verankert:

| Semester / Alternative | Profile | Module | Responsible Professor | ECTS | PVL | Grade | Examination part A | Examination part B |
|------------------------|--------------------------|---|-----------------------|------|-----|-------|--------------------|--------------------|
| 1 / 3 | Communication technology | Electromagnetic compatibility | NN | 5 | 1 | MN=A | written, 90min | |
| | | Optical transmission system | Bunge | 5 | 1 | MN=A | written, 90min | |
| | Information technology | Software engineering | Wieland | 5 | 1 | MN=A | written, 90min | |
| | | Operating systems 1 | Meßollen | 5 | 1 | MN=A | written, 90min | |
| 2 / 4 | Communication technology | Introduction into field theory | NN | 5 | 1 | MN=A | written, 90min | |
| | | Optical access networks and interconnection | Bunge | 5 | 1 | MN=A | written, 90min | |
| | | System theory 1 | Jokisch, Strutz | 5 | 1 | MN=A | written, 90min | |
| | Information technology | Software management | Hartmann | 5 | 1 | MN=A | written, 90min | |
| | | Operating systems 2 | Meßollen | 5 | 1 | MN=A | written, 90min | |
| 3 / 1 | Communication technology | Wireless Communications | Einhaus | 5 | 1 | MN=A | written, 90min | |
| | | Coding theorie | Strutz | 5 | 1 | MN=A | written, 90min | |
| | | Systemtheorie 2 | Jokisch, Strutz | 5 | 1 | MN=A | written, 90min | |
| | Information technology | Enterprise DBMS | Thor | 5 | 1 | MN=A | written, 90min | |
| | | Computer network management | Aleksic | 5 | 1 | MN=A | written, 90min | |
| | | Theoretical foundations of computer science | Meßollen | 5 | 1 | MN=A | written, 90min | |
| 4 / 2 | Information technology | Enterprise Applications | Meier | 5 | 1 | MN=A | written, 90min | |
| | | Distributed Systems | Wieland, Müller | 5 | 1 | MN=A | written, 90min | |

Indication of the efforts for students in time hours

| Semester | Module | Part of the module | Responsible Professor | Workload | at htfl | self study |
|----------|--|--------------------|-----------------------|----------|---------|------------|
| 1 | Applied Mathematics | | Schuchardt | 125 | 36 | 89 |
| | IT Project Management | | Auth | 125 | 36 | 89 |
| | elective module for profiling | | | 125 | 40 | 85 |
| | elective module for profiling | | | 125 | 40 | 85 |
| | Working in projects | | Dean | 62,5 | 4,5 | 58 |
| 2 | Simulation | | Jokisch | 125 | 36 | 89 |
| | Internetworking | | Müller | 125 | 36 | 89 |
| | elective module for profiling | | | 125 | 40 | 85 |
| | elective module for profiling | | | 125 | 40 | 85 |
| | Working in projects | | Dean | 62,5 | 4,5 | 58 |
| 3 | Laboratories in information- and communication technolog | | Porzig, Bunge | 125 | 36 | 89 |
| | IT Consulting | | Baderschneider | 125 | 36 | 89 |
| | elective module for profiling | | | 125 | 40 | 85 |
| | elective module for profiling | | | 125 | 36 | 89 |
| | Working in projects | | Dean | 62,5 | 4,5 | 58 |
| 4 | IT Security | | Müller | 125 | 36 | 89 |
| | IT Law | | Buchmann | 125 | 36 | 89 |
| | elective module for profiling | | | 125 | 40 | 85 |
| | elective module for profiling | | | 125 | 36 | 89 |
| | Working in projects | | Dean | 62,5 | 4,5 | 58 |
| 5 | Master thesis | written part | Dean | 750 | 10 | 735 |
| | | defence | | | 5 | |

Folgende Profilierungsangebote sind grundsätzlich im Studienangebot verankert:

| Semester / Alternative | Profile | Modul | Responsible Professor | Workload | at htfl | self study |
|------------------------|--------------------------|---|-----------------------|----------|---------|------------|
| 1 / 3 | Communication technology | Electromagnetic compatibility | NN | 125 | 36 | 89 |
| | | Optical transmission system | Bunge | 125 | 36 | 89 |
| | Information technology | Software engineering | Wieland | 125 | 36 | 89 |
| | | Operating systems 1 | Meßollen | 125 | 36 | 89 |
| 2 / 4 | Communication technology | Introduction into field theory | NN | 125 | 36 | 89 |
| | | Optical acces networks and interconnection | Bunge | 125 | 36 | 89 |
| | | System theory 1 | Jokisch, Strutz | 125 | 36 | 89 |
| | Information technology | Software management | Hartmann | 125 | 36 | 89 |
| | | Operating systems 2 | Meßollen | 125 | 36 | 89 |
| 3 / 1 | Communication technology | Wireless Communications | Einhaus | 125 | 36 | 89 |
| | | Coding theorie | Strutz | 125 | 36 | 89 |
| | | Systemtheorie 2 | Jokisch, Strutz | 125 | 36 | 89 |
| | Information technology | Enterprise DBMS | Thor | 125 | 36 | 89 |
| | | Computer network management | Aleksic | 125 | 36 | 89 |
| | | Theoretical foundations of computer science | Meßollen | 125 | 36 | 89 |
| | Enterprise Applications | Meier | 125 | 36 | 89 | |
| 4 / 2 | Information technology | Distributed Systems | Wieland, Müller | 125 | 36 | 89 |

| year | Credits | Workload (hours) | Semester | Workload relatet to Credits | Workload | Attendance phases at the HfTL | | Study schedule outside of HfTL | | | | |
|------|---------|------------------|----------|-----------------------------|----------|-------------------------------|-------------------------|--------------------------------|-----------------|----------------------|------------------------------------|------------------------------|
| | | | | | | Lectures at HfTL | Self study time at HfTL | Lecture weeks outside the HfTL | Online Learning | Self study via ILIAS | Self-study hours per week in hours | Total load per week in hours |
| 1 | 45 | 1125 | 1 | 22,5 | 562,5 | 60 | 90 | 13 | 48,25 | 48,25 | 24,3 | 47,3 |
| | | | 2 | 22,5 | 562,5 | 60 | 90 | 13 | 48,25 | 48,25 | 24,3 | 47,3 |
| 2 | 45 | 1125 | 3 | 22,5 | 562,5 | 60 | 90 | 13 | 46,25 | 46,25 | 24,6 | 47,0 |
| | | | 4 | 22,5 | 562,5 | 60 | 90 | 13 | 46,25 | 46,25 | 24,6 | 47,0 |
| 3 | 30 | 750 | 9 | 30 | 750 | 14 | 136 | 13 | 0,5 | 0,5 | 46,1 | 41,6 |
| | 120 | 3000 | | 120 | 3000 | 254 | | | | | | |

