

Embedded Computing Systems TUK Curriculum

| Core Program | | | | | | |
|----------------------------------|----------------------------------|--|-----------------------|-------------------------|-------------|----------------|
| | Code | Title | Credit points Fall | Credit points Spring | Instructor | Language |
| ES Hardware Architectures | EIT-EIS-571 | Architecture of Digital Systems I (Computer Architecture) | 4 | | Kunz | English |
| | EIT-EMS-546 | Embedded Processor Lab | | 3 | Wasenmüller | English |
| | EIT-EIS-573 | Architecture of Digital Systems II (Embedded Systems Architecture) | 4 | | Stoffel | English |
| | EIT-EIS-521 | Embedded Systems Laboratory | | 5 | Stoffel | English |
| System Software | EIT-RTS-545 | Operating Systems | 4 | | Fohler | English |
| | EIT-RTS-540 | Real-Time Systems I | | 4 | Fohler | English |
| | INF-30-02 | Fundamentals of Software Engineering 1 | 4 | | Rombach | English |
| SoC-Design Methodology | EIT-EMS-654 | Microelectronic Circuit and System Design I | 4 | | Wehn | English |
| | EIT-EMS-657 | Synthesis and Optimization of Microelectronic Systems I | 4 | | Wehn | English |
| | EIT-EIS-560 / EIT-EIS-562-M-7 | Verification of Digital Systems without/with class project | 5/8 | | Kunz | English |
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| Core Program | | | Σ 29/32 | Σ 12 | | Σ 41/44 |