

| Module                              | 1. Semester |          |           |           |        | 2. Semester |          |           |           |        | 3. Semester |          |           |           |        | 4. Semester |          |           |    |           | 5. Semester |           |           |    |        | 6. Sem. |           |            |            | Summen |    |
|-------------------------------------|-------------|----------|-----------|-----------|--------|-------------|----------|-----------|-----------|--------|-------------|----------|-----------|-----------|--------|-------------|----------|-----------|----|-----------|-------------|-----------|-----------|----|--------|---------|-----------|------------|------------|--------|----|
|                                     | V           | Ü        | P         | LP        | PA     | V           | Ü        | P         | LP        | PA     | V           | Ü        | P         | LP        | PA     | SU          | Ü        | P         | LP | PA        | SU          | Ü         | P         | LP | PA     | V       | Ü         | P          | LP         | SWS    | LP |
| Grundgebiete der Elektrotechnik I   | 3           | 2        | 0         | 6         | TN, MP |             |          |           |           |        |             |          |           |           |        |             |          |           |    |           |             |           |           |    |        |         |           | 5          | 6          |        |    |
| Grundgebiete der Elektrotechnik II  |             |          |           |           |        | 3           | 2        | 1         | 8         | TN, MP |             |          |           |           |        |             |          |           |    |           |             |           |           |    |        |         |           | 6          | 8          |        |    |
| Elektronik I                        | 2           | 1        | 1         | 5         | TN, MP |             |          |           |           |        |             |          |           |           |        |             |          |           |    |           |             |           |           |    |        |         |           | 4          | 5          |        |    |
| Elektronik II                       |             |          |           |           |        | 2           | 1        | 1         | 5         | TN     | 2           | 1        | 1         | 5         | TN, MP |             |          |           |    |           |             |           |           |    |        |         |           | 8          | 10         |        |    |
| Mathematik I                        | 4           | 2        | 0         | 8         | TN, MP |             |          |           |           |        |             |          |           |           |        |             |          |           |    |           |             |           |           |    |        |         |           | 6          | 8          |        |    |
| Mathematik II                       |             |          |           |           |        | 4           | 2        | 0         | 7         | TN, MP |             |          |           |           |        |             |          |           |    |           |             |           |           |    |        |         |           | 6          | 7          |        |    |
| Grundlagen der Informatik           | 4           | 1        | 1         | 6         | TN     | 3           | 0        | 1         | 5         | TN, MP |             |          |           |           |        |             |          |           |    |           |             |           |           |    |        |         |           | 10         | 11         |        |    |
| Betriebswirtschaftslehre            | 3           | 1        | 0         | 5         | TN, MP |             |          |           |           |        |             |          |           |           |        |             |          |           |    |           |             |           |           |    |        |         |           | 4          | 5          |        |    |
| Physik                              |             |          |           |           |        | 3           | 1        | 0         | 5         | TN, MP |             |          |           |           |        |             |          |           |    |           |             |           |           |    |        |         |           | 4          | 5          |        |    |
| Elektrische und magnetische Felder  |             |          |           |           |        |             |          |           |           |        | 3           | 2        | 1         | 6         | TN, MP |             |          |           |    |           |             |           |           |    |        |         |           | 6          | 6          |        |    |
| Signale und Systeme                 |             |          |           |           |        |             |          |           |           |        | 3           | 1        | 0         | 5         | TN, MP |             |          |           |    |           |             |           |           |    |        |         |           |            | 4          | 5      |    |
| Digitaltechnik                      |             |          |           |           |        |             |          |           |           |        | 2           | 1        | 1         | 5         | TN, MP |             |          |           |    |           |             |           |           |    |        |         |           |            | 4          | 5      |    |
| Mikroprozessortechnik               |             |          |           |           |        |             |          |           |           |        | 2           | 1        | 0         | 4         |        | 1           | 0        | 2         | 4  | TN, MP    |             |           |           |    |        |         |           | 6          | 8          |        |    |
| Rechnergestützter Schaltungsentwurf |             |          |           |           |        |             |          |           |           |        | 2           | 0        | 2         | 5         | TN, MP |             |          |           |    |           |             |           |           |    |        |         |           |            | 4          | 5      |    |
| Bussysteme                          |             |          |           |           |        |             |          |           |           |        |             |          |           |           |        | 2           | 0        | 2         | 5  | TN, MP    |             |           |           |    |        |         |           |            | 4          | 5      |    |
| Rapid Prototyping                   |             |          |           |           |        |             |          |           |           |        |             |          |           |           |        | 2           | 1        | 1         | 5  | TN, MP    |             |           |           |    |        |         |           |            | 4          | 5      |    |
| Betriebssysteme                     |             |          |           |           |        |             |          |           |           |        |             |          |           |           |        | 2           | 1        | 2         | 5  | TN, MP    |             |           |           |    |        |         |           |            | 5          | 5      |    |
| Schaltungstechnik                   |             |          |           |           |        |             |          |           |           |        |             |          |           |           |        | 2           | 1        | 1         | 6  | TN, MP    |             |           |           |    |        |         |           |            | 4          | 6      |    |
| Objektorientierte Systeme           |             |          |           |           |        |             |          |           |           |        |             |          |           |           |        | 2           | 0        | 2         | 5  | TN, MP    |             |           |           |    |        |         |           |            | 4          | 5      |    |
| Rechnerarchitekturen                |             |          |           |           |        |             |          |           |           |        |             |          |           |           |        |             |          |           |    |           | 2           | 1         | 1         | 5  | TN, MP |         |           |            | 4          | 5      |    |
| Embedded Software                   |             |          |           |           |        |             |          |           |           |        |             |          |           |           |        |             |          |           |    |           | 2           | 0         | 2         | 5  | TN, MP |         |           |            | 4          | 5      |    |
| Software Engineering                |             |          |           |           |        |             |          |           |           |        |             |          |           |           |        |             |          |           |    |           | 2           | 0         | 3         | 5  | TN, MP |         |           |            | 5          | 5      |    |
| Projektmanagement                   |             |          |           |           |        |             |          |           |           |        |             |          |           |           |        |             |          |           |    |           | 1           | 0         | 3         | 5  | TN, MP |         |           |            | 4          | 5      |    |
| Wahlpflichtmodul                    |             |          |           |           |        |             |          |           |           |        |             |          |           |           |        |             |          |           |    |           | 2           | 0         | 2         | 5  | TN, MP |         |           |            | 4          | 5      |    |
| Wahlpflichtmodul                    |             |          |           |           |        |             |          |           |           |        |             |          |           |           |        |             |          |           |    |           | 2           | 0         | 2         | 5  | TN, MP |         |           |            | 4          | 5      |    |
| Praxisphase                         |             |          |           |           |        |             |          |           |           |        |             |          |           |           |        |             |          |           |    |           |             |           |           |    |        |         |           |            | 15         | 15     |    |
| Bachelorarbeit und Kolloquium       |             |          |           |           |        |             |          |           |           |        |             |          |           |           |        |             |          |           |    |           |             |           |           |    |        |         |           |            | 15         | 15     |    |
| <b>Summe</b>                        | <b>16</b>   | <b>7</b> | <b>2</b>  | <b>30</b> |        | <b>15</b>   | <b>6</b> | <b>3</b>  | <b>30</b> |        | <b>14</b>   | <b>6</b> | <b>5</b>  | <b>30</b> |        | <b>11</b>   | <b>3</b> | <b>10</b> |    | <b>11</b> | <b>1</b>    | <b>13</b> |           |    |        |         |           |            |            |        |    |
| <b>Summe aller Module</b>           | <b>25</b>   |          | <b>30</b> |           |        | <b>24</b>   |          | <b>30</b> |           |        | <b>25</b>   |          | <b>30</b> |           |        | <b>24</b>   |          | <b>30</b> |    |           | <b>25</b>   |           | <b>30</b> |    |        |         | <b>30</b> | <b>123</b> | <b>180</b> |        |    |

TN = Teilnahmenachweis

MP = Modulprüfung

LP = Leistungspunkte (Credit Points)

SWS = Semesterwochenstunden

V = Vorlesung

SU = Seminaristischer Unterricht

Ü = Übung

P = Praktikum

Dauer der Praxisphase 10 Wochen

Dauer der Bachelorarbeit 10 Wochen