

# Studienplan Bac. Elektro- und Informationstechnik (ab WS 2020/21)

Stand: 12.05.2020

| Modul   |     |    | Semester                   |            |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
|---|-----|----|----------------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|----------|-----------|-----------|----------------|-----------|-----------|-----------|----------------|-----------|---|--|
|   |     |    | alle Vertiefungsrichtungen |            |           |           |           |           |           |           |           |           | Vertiefung ENT |          |           |           | Vertiefung AUT |           |           |           | Vertiefung IKT |           |   |  |
|   |     |    | 1                          |            | 2         |           | 3         |           | 4         |           | 5 Prax.   |           | 6              |          | 7         |           | 6              |           | 7         |           | 6              |           | 7 |  |
| CP  | SWS | CP | SWS                        | CP         | SWS       | CP        | SWS       | CP        | SWS       | CP        | SWS       | CP        | SWS            | CP       | SWS       | CP        | SWS            | CP        | SWS       | CP        | SWS            |           |   |  |
| <b>Studienabschnitt 1</b>                       |     |    |                            |            |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Elektrotechnik 1                                | 9   | 8  | 9                          | 8          |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Elektrotechnik 2                                | 9   | 8  | 9                          | 8          |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Englisch  | 3   | 2  | 3                          | 2          |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Informatik 1                                    | 10  | 10 | 5                          | 4          | 5         | 6         |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Konstruktion                                    | 3   | 2  | 3                          | 2          |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Mathematik 1                                    | 8   | 8  | 8                          | 8          |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Mathematik 2                                    | 7   | 8  | 7                          | 8          |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Physik  | 9   | 8  | 4                          | 4          | 5         | 4         |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Werkstofftechnik                                | 3   | 2  | 3                          | 2          |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| <b>Studienabschnitt 2</b>                       |     |    |                            |            |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Angewandte Systemtechnik                        | 7   | 6  |                            |            | 7         | 6         |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Digitaltechnik                                  | 7   | 6  |                            |            | 7         | 6         |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Elektrische Messtechnik                         | 5   | 4  |                            |            |           |           | 5         | 4         |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| El. Bauelemente u. Schaltungstechnik            | 9   | 8  |                            |            | 4         | 4         | 5         | 4         |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Elektrotechnik 3                                | 5   | 4  |                            |            | 5         | 4         |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Embedded Systems                                | 7   | 6  |                            |            |           |           | 7         | 6         |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Informatik 2                                    | 5   | 6  |                            |            | 5         | 6         |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Regelungstechnik                                | 7   | 6  |                            |            |           |           | 7         | 6         |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Computernetzwerke                               | 5   | 4  |                            |            | 5         | 4         |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Digitale Signalverarbeitung                     | 7   | 6  |                            |            |           |           | 7         | 6         |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| <b>alle Vertiefungsrichtungen</b>               |     |    |                            |            |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Praxisphase                                     | 22  | -- |                            |            |           |           |           | 22        |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Praxisseminar                                   | --  | 2  |                            |            |           |           |           |           | 2         |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Praxisbegleitende LV: BWL und Projektmanagement | 5   | 4  |                            |            |           |           |           |           | 5         | 4         |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Studiengangspez. Projekt                        | 5   | -- |                            |            |           |           |           |           |           |           | 5         |           |                |          | 5         |           |                |           |           | 5         |                |           |   |  |
| Studiengangspez. Wahlpflichtmodule              | 10  | 8  |                            |            |           |           |           |           |           |           | 5         | 4         | 5              | 4        | 5         | 4         | 5              | 4         | 5         | 4         | 5              | 4         |   |  |
| Bachelorarbeit                                  | 12  | -- |                            |            |           |           |           |           |           |           |           |           | 12             |          |           |           | 12             |           |           |           | 12             |           |   |  |
| Bachelorseminar                                 | 3   | 2  |                            |            |           |           |           |           |           |           | 3         | 2         | 3              | 2        | 3         | 2         | 3              | 2         | 3         | 2         | 3              | 2         |   |  |
| Gesprächsführung u. Vortragstechnik             | 3   | 2  |                            |            |           |           |           |           |           |           | 3         | 2         | 3              | 2        | 3         | 2         | 3              | 2         | 3         | 2         | 3              | 2         |   |  |
| <b>Vertiefungsrichtung ENT</b>                  |     |    |                            |            |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Wahlpflichtmodule aus FW-Modulkatalog           | 25  | 20 |                            |            |           |           |           |           |           |           | 20        | 16        | 5              | 4        |           |           |                |           |           |           |                |           |   |  |
| <b>Vertiefungsrichtung AUT</b>                  |     |    |                            |            |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Wahlpflichtmodule aus FW-Modulkatalog           | 25  | 20 |                            |            |           |           |           |           |           |           |           |           | 20             | 16       | 5         | 4         |                |           |           |           |                |           |   |  |
| <b>Vertiefungsrichtung IKT</b>                  |     |    |                            |            |           |           |           |           |           |           |           |           |                |          |           |           |                |           |           |           |                |           |   |  |
| Wahlpflichtmodule aus FW-Modulkatalog           | 25  | 20 |                            |            |           |           |           |           |           |           |           |           |                |          |           |           | 20             | 16        | 5         | 4         |                |           |   |  |
| <b>Summen</b>                                   |     |    | <b>210</b>                 | <b>150</b> | <b>32</b> | <b>28</b> | <b>29</b> | <b>28</b> | <b>33</b> | <b>30</b> | <b>31</b> | <b>26</b> | <b>27</b>      | <b>6</b> | <b>30</b> | <b>20</b> | <b>28</b>      | <b>12</b> | <b>30</b> | <b>20</b> | <b>28</b>      | <b>12</b> |   |  |