

# Masterstudiengang Integrierte Produktentwicklung

## Studienrichtung Produkt Engineering - über 4 Semester

| Studienrichtung<br>Produkt Engineering | 1. Semester |   |   |   |   |           | 2. Semester |   |   |   |   |           | 3. Semester |   |   |   |   |    | 4. Semester |   |   |   |           |    |
|----------------------------------------|-------------|---|---|---|---|-----------|-------------|---|---|---|---|-----------|-------------|---|---|---|---|----|-------------|---|---|---|-----------|----|
|                                        | Σ           | V | Ü | S | P | LP        | Σ           | V | Ü | S | P | LP        | Σ           | V | Ü | S | P | LP | Σ           | V | Ü | S | P         | LP |
| Entrepreneurship                       | 4           |   |   | 4 |   | 5         |             |   |   |   |   |           |             |   |   |   |   |    |             |   |   |   |           |    |
| Entwicklungsmethodik                   | 6           | 2 | 2 |   | 2 | 5         |             |   |   |   |   |           |             |   |   |   |   |    |             |   |   |   |           |    |
| Getriebelehre                          | 4           | 2 | 1 |   | 1 | 5         |             |   |   |   |   |           |             |   |   |   |   |    |             |   |   |   |           |    |
| Höhere Mathematik                      | 4           | 2 | 2 |   |   | 5         |             |   |   |   |   |           |             |   |   |   |   |    |             |   |   |   |           |    |
| Höhere Technische Mechanik             | 4           | 2 | 2 |   |   | 5         |             |   |   |   |   |           |             |   |   |   |   |    |             |   |   |   |           |    |
| Mechatronische Systementwicklung       | 4           | 2 |   |   | 2 | 5         |             |   |   |   |   |           |             |   |   |   |   |    |             |   |   |   |           |    |
| Betriebsfestigkeit                     |             |   |   |   |   |           | 4           | 2 | 2 |   |   | 5         |             |   |   |   |   |    |             |   |   |   |           |    |
| ERP / PPS-Systeme                      |             |   |   |   |   |           | 4           | 2 |   |   | 2 | 5         |             |   |   |   |   |    |             |   |   |   |           |    |
| Kosten- und Investitionsrechnung       |             |   |   |   |   |           | 4           |   |   | 4 |   | 5         |             |   |   |   |   |    |             |   |   |   |           |    |
| Nichtlineare FEM                       |             |   |   |   |   |           | 4           | 2 |   |   | 2 | 5         |             |   |   |   |   |    |             |   |   |   |           |    |
| Virtuelle Produktentwicklung           |             |   |   |   |   |           | 4           | 2 |   |   | 2 | 5         |             |   |   |   |   |    |             |   |   |   |           |    |
| Wahlpflichtkatalog 2                   |             |   |   |   |   |           | 4           |   |   |   |   | 5         |             |   |   |   |   |    |             |   |   |   |           |    |
| Maschinendynamik                       |             |   |   |   |   |           |             |   |   |   |   |           | 4           | 2 | 2 |   |   |    |             |   |   | 5 |           |    |
| Leichtbau                              |             |   |   |   |   |           |             |   |   |   |   |           | 4           | 2 |   |   |   |    |             |   |   | 2 | 5         |    |
| Wahlpflichtkatalog 2                   |             |   |   |   |   |           |             |   |   |   |   |           | 4           |   |   |   |   |    |             |   |   |   | 5         |    |
| Wahlpflichtkatalog 2                   |             |   |   |   |   |           |             |   |   |   |   |           | 4           |   |   |   |   |    |             |   |   |   | 5         |    |
| Projektarbeit 1                        |             |   |   |   |   |           |             |   |   |   |   |           |             |   |   |   |   |    |             |   |   |   | 10        |    |
| Masterarbeit                           |             |   |   |   |   |           |             |   |   |   |   |           |             |   |   |   |   |    |             |   |   |   | 27        |    |
| Kolloquium                             |             |   |   |   |   |           |             |   |   |   |   |           |             |   |   |   |   |    |             |   |   |   | 3         |    |
| <b>Summe</b>                           | <b>26</b>   |   |   |   |   | <b>30</b> | <b>24</b>   |   |   |   |   | <b>30</b> | <b>16</b>   |   |   |   |   |    |             |   |   |   | <b>30</b> |    |

| Wahlpflichtkatalog 2                     | 1. Semester |   |   |   |   |    | 2. Semester |   |   |   |   |    | 3. Semester |   |   |   |   |    |  |  |  |  |   |
|------------------------------------------|-------------|---|---|---|---|----|-------------|---|---|---|---|----|-------------|---|---|---|---|----|--|--|--|--|---|
|                                          | Σ           | V | Ü | S | P | LP | Σ           | V | Ü | S | P | LP | Σ           | V | Ü | S | P | LP |  |  |  |  |   |
| Fahrzeugsicherheit und Fahrzeugzulassung |             |   |   |   |   |    | 4           | 2 | 1 |   | 1 | 5  |             |   |   |   |   |    |  |  |  |  |   |
| Operations Research                      |             |   |   |   |   |    | 4           | 2 | 2 |   |   | 5  |             |   |   |   |   |    |  |  |  |  |   |
| Personalführung                          |             |   |   |   |   |    | 4           | 2 | 2 |   |   | 5  |             |   |   |   |   |    |  |  |  |  |   |
| Powertrain Components & Systems          |             |   |   |   |   |    | 4           | 2 | 2 |   |   | 5  |             |   |   |   |   |    |  |  |  |  |   |
| Vernetzte Automatisierung                |             |   |   |   |   |    | 4           | 2 |   |   | 2 | 5  |             |   |   |   |   |    |  |  |  |  |   |
| Projektarbeit 2                          |             |   |   |   |   |    |             |   |   |   |   | 5  |             |   |   |   |   |    |  |  |  |  | 5 |
| Fahrzeugelektrik & -elektronik           |             |   |   |   |   |    |             |   |   |   |   |    | 4           | 2 | 2 |   |   |    |  |  |  |  | 5 |
| Fahrzeugtechnisches Seminar              |             |   |   |   |   |    |             |   |   |   |   |    | 4           |   |   | 4 |   |    |  |  |  |  | 5 |
| Fertigungsprozessplanung                 |             |   |   |   |   |    |             |   |   |   |   |    | 4           | 2 |   |   |   | 2  |  |  |  |  | 5 |
| Produkthaftung                           |             |   |   |   |   |    |             |   |   |   |   |    | 4           |   |   | 4 |   |    |  |  |  |  | 5 |
| Unternehmensanalyse                      |             |   |   |   |   |    |             |   |   |   |   |    | 4           |   |   | 4 |   |    |  |  |  |  | 5 |