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|----|--|---|--|--|--|--|--|
| 21 | <b>Mechanics I (GES)</b><br>Mechanics I VL 2<br>Mechanics I HÜ 3                               | <b>Mechanics II (GES)</b><br>Mechanics II VL 2<br>Mechanics II HÜ 2   | <b>Mechanical Engineering: Design (part 1)</b><br>Embodiment Design and 3D-CAD VL 2<br>Mechanical Design Project I PBL3                                  |  | Advanced Mechanical Design Project PBL4  | Characterization<br>Advanced Materials Design VL 2<br>Advanced Materials Design HÜ 2 |  |
| 22 |  |   |  |  |  |  |  |
| 23 |  |   |  |  |  |  |  |
| 24 | <b>Programming in C</b><br>Programming in C VL 1<br>Programming in C PR 1                      | <b>Fundamentals of Mechanical Engineering (GES)</b><br>Fundamentals of Mechanical Engineering VL 2<br>Fundamentals of Mechanical Engineering UE 2 | <b>Fundamentals of Materials Science (part 1)</b><br>Fundamentals of Materials Science I VL 2<br>Physical and Chemical Basics of Materials Science VL 2  |  | <b>Production Technology</b><br>Forming and Cutting Technology VL 2<br>Forming and Cutting Technology HÜ 1<br>Fundamentals of Machine Tools VL 2<br>Fundamentals of Machine Tools HÜ 1 |  |  |
| 25 |  |   |  |  |  |  |  |
| 26 |  |   |  |  |  |  |  |
| 27 |  |   |  |  |  |  |  |
| 28 |  |   |  |  |  |  |  |
| 29 |  |   |  |  |  |  |  |
| 30 | <b>Physics for Engineers (GES)</b><br>Physics for Engineers VL 2<br>Physics for Engineers UE 1 |   | <b>Advanced Mechanical Engineering Design (part 1)</b><br>Advanced Mechanical Engineering Design I VL 2<br>Advanced Mechanical Engineering Design I HÜ 2 |  |  |  |  |
| 31 |  |   |  |  |  |  |  |
| 32 |  |   |  |  |  |  |  |
| 33 |  |   | <b>Production Engineering (part 1)</b><br>Production Engineering I VL 2<br>Production Engineering I HÜ 1   |  |  |  |  |

Nontechnical Complementary Courses for Bachelors (from catalogue) - 6LP

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.