

STUDY PLAN, BSc Level

Field of study: Transport - speciality courses
Specialty: Transport Engineering

| ip | Course title | the number of hours | | | | | separation program for semester classes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---------------------|---------|---------|-----|---------|---|----------|---|---|----|------|----------|----|---|---|---------|----------|----|---|---|----|----------|------|----|---|----|----------|---|------|----|----|----------|---|---|------|----|-----|---|---|---|------|----|---|--|--|---|---|--|--|
| | | total | lecture | classes | lab | project | seminar | sem. I | | | | | II | | | | | III | | | | | IV | | | | | V | | | | | VI | | | | | VII | | | | | | | | | | | | |
| | | | | | | | | 15 weeks | | | | | 15 weeks | | | | | 15 weeks | | | | | 15 weeks | | | | | 15 weeks | | | | | 15 weeks | | | | | | | | | | | | | | | | | |
| | | L | C | Lab | P | S | Le | C | L | P | S | ECTS | Le | C | L | P | S | ECTS | Le | C | L | P | S | ECTS | Le | C | L | P | S | ECTS | Le | C | L | P | S | ECTS | Le | C | L | P | S | ECTS | | | | | | | | |
| A. Common courses | | 1905 | 975 | 420 | 300 | 210 | | 14 | 7 | 2 | 2 | 30 | 10 | 11 | 1 | 2 | 30 | 11 | 5 | 7 | | 30 | 13 | 5 | 6 | 2 | 30 | 10 | | 2 | 3 | 16 | 7 | | 2 | 5 | 11 | | | | | | | | | | | | | |
| B. Speciality courses | | MKe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Advanced materials in transport | 52 | 30 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 2 | | | | | | | | | | | | | | | | | | | | |
| 2 | Alternative fuels | 53 | 30 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 3 | | | | | | | | | | | | | | | | | | | | |
| 3 | Design of load handling equipment | 54 | 30 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 3 | | | | | | | | | | | | | | | | | |
| 4 | Diploma seminar | 55 | 30 | | | | | | | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 5 | | |
| 5 | Electric vehicles | 56 | 30 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | 1 | E | | 1 | 3 | | | | | | | | | | | | | | | | | | | |
| 6 | Engineer project | 57,58 | 45 | | | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | | | | | | 2 | 10 | | | | | | | |
| 7 | External influence of transport | 59 | 45 | 30 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | E | | 1 | 4 | | | | | | |
| 8 | Intelligent transport systems | 60 | 30 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | 1 | E | | 1 | 4 | | | | | | | | | | | | | | | | | |
| 9 | Intermodal transport | 61 | 30 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | 1 | E | | 1 | 3 | | | | | | | | | | | | | | | | | | | |
| 10 | Practise of risk and reliability analysis | 62 | 30 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 3 | | | | | | | | | | | | | | | | | | | | |
| 11 | Professional training | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Reliability and maintenance of vehicles | 64 | 30 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Road traffic control and management systems | 65 | 30 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Transport safety management system | 66 | 30 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Transport systems design | 67 | 30 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | Vehicle mechatronics | 68 | 45 | 30 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total block B | | 495 | 225 | 60 | 75 | 105 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total A+B | | 2400 | 1200 | 480 | 375 | 315 | 30 | 14 | 7 | 2 | 2 | 30 | 10 | 11 | 1 | 2 | 30 | 11 | 5 | 7 | | 30 | 13 | 5 | 6 | 2 | 30 | 15 | 2 | 4 | 4 | 30 | 11 | | 4 | 7 | 30 | 6 | 2 | 1 | 4 | 2 | 30 | | | | | | | |
| E - exam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | h/week | | | | | 23 | | | | | 22 | | | | | 23 | | | | | 24 | | | | | 25 | | | | | 22 | | | | | 15 | | | | | | | | |
| | | | | | | | u. exam | | | | | 1 | | | | | 4 | | | | | 3 | | | | | 4 | | | | | 3 | | | | | 3 | | | | | 3 | | | | | | | | |
| | | | | | | | practice | | | | | VI | | | | | 4 weeks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Decision of Faculty Council 22.06.2017 valid from 01.10.2017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |