



CURRICULUM

Professional orientation: **Transport, Navigation and Aviation**

Program: **Fleet and Ports Operation**

Professional qualification: **Transport Engineer**

Educational and qualifical degree: **Bachelor**

Form of study: **Full - Time**

Term of study: **4 years / 8 semesters**

| No | Subject Name | Types of term control | | | | Semester auditorium load | | | | | Unsupervised load | Total work hours | ECTS credits |
|----------------------------------|--|-----------------------|----------|----|----------|--------------------------|------------|-----------|-----------|------------|-------------------|------------------|--------------|
| | | E | PA | CP | A | L | S | L | CP CPR | Total | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | Higher Mathematics, part 1 | 1 | | | | 30 | 30 | | | 150 | 90 | 240 | 6 |
| 2 | Higher Mathematics, part 2 | 1 | | | | 30 | 15 | | 15 | 135 | 90 | 225 | 6 |
| 3 | Computer Science and Computer Technology | | 1 | | | 15 | | 30 | | 150 | 105 | 255 | 6 |
| 4 | Security on Labor and Technical Safety | 1 | | | | 15 | 15 | | | 105 | 75 | 180 | 4 |
| 5 | Engineering Graphics | | | | 1 | 15 | 15 | | 15 | 90 | 60 | 150 | 4 |
| 6 | Optional Subject | | | | 1 | | | | | 30 | 30 | 60 | 1 |
| 6a | Specialized Sport Activities, part 1 | | | | 1 | | | | | | 30 | 30 | 1 |
| 66 | Sport and Social Adaptation, part 1 | | | | 1 | | | | | | 30 | 30 | 1 |
| 7 | English, part 1 | | | | 1 | | 60 | | | 125 | 65 | 190 | 5 |
| Total for the 1 semestar: | | 3 | 1 | | 3 | 105 | 135 | 30 | 30 | 785 | 515 | 1300 | 32 |
| 8 | Higher Mathematics, part 3 | 2 | | | | 30 | 15 | | 15 | 135 | 90 | 225 | 6 |
| 9 | Optional Subject | | 2 | | | 15 | 15 | | | 105 | 75 | 180 | 4 |
| 9a | Labour Legislation | | 2 | | | 15 | 15 | | | 30 | 75 | 105 | 4 |
| 96 | Principles of Law | | 2 | | | 15 | 15 | | | 30 | 75 | 105 | 4 |
| 10 | Technical Mechanics | 2 | | | | 30 | 15 | | 15 | 135 | 90 | 225 | 6 |
| 11 | Physics | 2 | | | | 30 | | 15 | | 125 | 80 | 205 | 5 |
| 12 | Economics | 2 | | | | 30 | | 15 | | 125 | 80 | 205 | 5 |
| 13 | Optional Subject | | | | 2 | | | | | 30 | 30 | 60 | 1 |
| 13a | Specialized Sport Activities, part 2 | | | | 2 | | | | | | 30 | 30 | 1 |
| 136 | Sport and Social Adaptation, part 2 | | | | 2 | | | | | | 30 | 30 | 1 |
| 14 | English, part 2 | | 2 | | | | 60 | | | 150 | 90 | 240 | 6 |
| Total for the 2 semestar: | | 4 | 2 | | 1 | 135 | 105 | 30 | 30 | 805 | 535 | 1340 | 33 |
| 15 | Commodity Science | 3 | | | | 30 | | 30 | | 150 | 90 | 240 | 6 |
| 16 | Machine Science | 3 | | | | 30 | | | 15 | 135 | 105 | 240 | 6 |
| 17 | Optional Subject | | 3 | | | 30 | | 15 | 15 | 135 | 90 | 225 | 6 |
| 17a | Methods and Means for Protection of the Marine Environment | | 3 | | | 30 | | 15 | 15 | 60 | 90 | 150 | 6 |
| 176 | Marine Ecology | | 3 | | | 30 | | 15 | 15 | 60 | 90 | 150 | 6 |
| 18 | Electrical Engineering and Electronics | 3 | | | | 30 | | 30 | | 150 | 90 | 240 | 6 |
| 19 | English, part 3 | | | | 3 | | 60 | | | 150 | 90 | 240 | 6 |

| No | Subject Name | Types of term control | | | | Semester auditorium load | | | | | Unsupervised load | Total work hours | ECTS credits |
|--|---|-----------------------|----------|----|-----------|--------------------------|------------|------------|------------|-------------|-------------------|------------------|--------------|
| | | E | PA | CP | A | L | S | L | CP CPR | Total | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 20 | Optional Subject | | | | 3 | | | | | 30 | 30 | 60 | 1 |
| 20a | Specialized Sport Activities, part 3 | | | | 3 | | | | | | 30 | 30 | 1 |
| 206 | Sports Management, part 1 | | | | 3 | | | | | | 30 | 30 | 1 |
| Total for the 3 semestar: | | 3 | 1 | | 2 | 120 | 60 | 75 | 30 | 750 | 495 | 1245 | 31 |
| 21 | Port Structure and Management | 4 | | | | 30 | | 15 | 15 | 135 | 90 | 225 | 6 |
| 22 | Meteorology | 4 | | | | 30 | 30 | | | 135 | 75 | 210 | 5 |
| 23 | Optional Subject | | 4 | | | 30 | 30 | | | 125 | 65 | 190 | 5 |
| 23a | Transport Marketing | | 4 | | | 30 | 30 | | | 60 | 65 | 125 | 5 |
| 236 | Transport Management | | 4 | | | 30 | 30 | | | 60 | 65 | 125 | 5 |
| 24 | Transport Technology | 4 | | | | 30 | | 30 | | 150 | 90 | 240 | 6 |
| 25 | English, part 4 | 4 | | | | | 60 | | | 150 | 90 | 240 | 6 |
| 26 | Optional Subject | | | | 4 | | | | | 30 | 30 | 60 | 1 |
| 26a | Specialized Sport Activities, part 4 | | | | 4 | | | | | | 30 | 30 | 1 |
| 266 | Sports Management, part 2 | | | | 4 | | | | | | 30 | 30 | 1 |
| 27 | Special Practice, part 1 | | | | 4 | | | | | 120 | 120 | 240 | 4 |
| Total for the 4 semestar: | | 4 | 1 | | 2 | 120 | 120 | 45 | 15 | 845 | 560 | 1405 | 33 |
| 28 | Port Mechanization | 5 | | | | 30 | | 15 | 15 | 135 | 90 | 225 | 6 |
| 29 | Optional Subject | 5 | | | | 30 | | 30 | | 150 | 90 | 240 | 6 |
| 29a | Pilotage, Hydrology and Navigation | 5 | | | | 30 | | 30 | | 60 | 90 | 150 | 6 |
| 296 | Coastal Radar Positioning Systems | 5 | | | | 30 | | 30 | | 60 | 90 | 150 | 6 |
| 30 | Ship General Arrangements | | 5 | | | 30 | | 30 | | 135 | 75 | 210 | 5 |
| 31 | International Freight Markets | 5 | | | | 30 | 15 | | 15 | 135 | 90 | 225 | 6 |
| 32 | English, part 5 | | | | 5 | | 60 | | | 150 | 90 | 240 | 6 |
| Total for the 5 semestar: | | 3 | 1 | | 1 | 120 | 75 | 75 | 30 | 705 | 435 | 1140 | 29 |
| 33 | Maritime Transport Technology | 6 | | | | 30 | | 30 | | 135 | 75 | 210 | 5 |
| 34 | Maritime Law | 6 | | | | 30 | 30 | | | 120 | 60 | 180 | 4 |
| 35 | Port Technologies | 6 | | | | 30 | | 15 | 15 | 160 | 115 | 275 | 7 |
| 36 | Accounting and Analysis of Operational Activities | 6 | | | | 30 | | 30 | | 135 | 75 | 210 | 5 |
| 37 | English, part 6 | | 6 | | | | 60 | | | 135 | 75 | 210 | 5 |
| 38 | Special Practice, part 2 | | | | 6 | | | | | 120 | 120 | 240 | 4 |
| Total for the 6 semestar: | | 4 | 1 | | 1 | 120 | 90 | 75 | 15 | 805 | 520 | 1325 | 30 |
| 39 | Organization and Management of Ports | 7 | | | | 30 | | 30 | | 175 | 115 | 290 | 7 |
| 40 | Fleet and Ports Commercial Operation | 7 | | | | 30 | | 30 | | 135 | 75 | 210 | 5 |
| 41 | Fleet and Ports Technical Operation | 7 | | | | 30 | | 15 | 15 | 120 | 75 | 195 | 5 |
| 42 | Customs Control | | 7 | | | 30 | | 15 | | 135 | 90 | 225 | 5 |
| 43 | English, part 7 | 7 | | | | | 60 | | | 135 | 75 | 210 | 5 |
| 44 | Ship Deck and Cargo Equipment and Cargo Handling | | 7 | | | 30 | | 30 | | 150 | 90 | 240 | 6 |
| Total for the 7 semestar: | | 4 | 2 | | | 150 | 60 | 120 | 15 | 850 | 520 | 1370 | 33 |
| 45 | Transport Logistics | 8 | | | | 15 | | | 15 | 135 | 120 | 255 | 6 |
| 46 | Interaction between Types of Transport | 8 | | | | 15 | | 15 | | 150 | 120 | 270 | 6 |
| 47 | Ports Management under Specific Circumstances | 8 | | | | 15 | 15 | | | 125 | 95 | 220 | 5 |
| 48 | English, part 8 | | | | 8 | | 30 | | | 150 | 120 | 270 | 6 |
| Total for the 8 semestar: | | 3 | | | 1 | 45 | 45 | 15 | 15 | 560 | 455 | 1015 | 23 |
| Total for all courses of education: | | 28 | 9 | | 11 | 915 | 690 | 465 | 180 | 6105 | 4035 | 10140 | 244 |

Facultative subjects

| No | Subject Name | Types of term control | | | | Semester auditorium load incl: | | | | | Unsuper-vised load | Total work hours | ECTS credits |
|----|--------------|-----------------------|----|----|---|--------------------------------|---|---|--------|-------|--------------------|------------------|--------------|
| | | E | PA | CP | A | L | S | L | CP CPR | Total | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| Types of graduation | Semester | Unsupervised load | ECTS credits |
|------------------------------|----------|-------------------|--------------|
| State examination in English | 8 | 300 | 10 |
| | 8 | | |
| | 8 | | |
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Accepted from AU with

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Changed with Protokol No 11 / 06.06.2016 r.

Valid for 2016 / 2017 r. academic year.

Head of Department NTMWP:

/ Assoc. Prof. PhD Dyakov B. /

Dean of Faculty FSB:

/ Assoc. Prof. PhD Dichev Pl. /