

Management and Production Engineering

List of subjects in particular semesters

1st semester

1	Foreign language (English/German)
2	Mathematical analysis
3	Physics
4	Fundamentals of management
5	Information technology
6	Engineering graphics
7	Introduction to technology
8	Materials science
9	Fundamentals of philosophy/Fundamentals of sociology
10	Introduction to CAD
11	Physical education
12	Health and safety at work training
13	Library training

2nd semester

1	Foreign language (English/German)
2	Mathematics - algebra
3	Physics
4	Fundamentals of technology
5	Fundamentals of metrology
6	Business communication / Change management
7	Technical mechanics / Mechanics of constructions and mechanisms
8	Engineering graphics and CAD
9	Operational research
10	Physical education
11	Industrial traineeship (1.5 months)

3rd semester

1	Foreign language (English/German)
2	Mathematical statistics / Descriptive statistics
3	Technical mechanics
4	Technological process design
5	Fundamentals of machine construction
6	Introduction to marketing
7	Financial accounting
8	Fundamentals of management
9	Ergonomics/Hazards identification and occupational risk assessment

4th semester

1	Microeconomics
2	Computing
3	Ecology and environmental management
4	Fundamentals of machine construction and CAD
5	Market and marketing research
6	Cost calculation for engineers/Calculation of economic efficiency
7	Chemical technologies and products
8	Industrial traineeship (1.5 months)

5th semester

1	Macroeconomics
2	Automatic control and industrial robotics
3	Business management
4	Production preparation organization
5	Logistic management/Supply chain management
6	Electrical engineering and electronics
7	Production management
8	Organization of positions and examination of work/Examination and standardization of working time

6th semester

1	Fundamentals of econometrics
2	Marketing in trade and services/Affiliate marketing
3	Finance
4	Human resources management/Professional ethics
5	Production management
6	Quality engineering/Theoretical foundations of quality
7	Industrial plant design/Flexible production systems
8	Pre-diploma seminar
9	Business law
10	Industrial traineeship (1.5 months)

7th semester

1	Negotiations and sales techniques/Intercultural communication
2	Innovative processes and patent policy
3	Integrated enterprise management systems
4	Diploma seminar
5	Fundamentals of business organization/Fundamentals of creating a business plan
6	Diploma engineer's thesis preparation
7	Industrial traineeship (1.5 months)

