**Topics for the diploma examination**

**Business and Technology**

**BSc studies**

1. Market and market economy
2. Functions of management
3. Planning and making decisions at operational level
4. Tools for influencing the market with the use of marketing (marketing-mix)
5. Selection of personnel and management of human resources
6. Budgeting in a company
7. Elements of environmental management
8. Material flows in a company
9. Physical quantities used in technology
10. Modern engineering materials
11. Production process vs. manufacturing process
12. Basic Production processes
13. Information systems vs. information technology (IT) systems
14. Designing information systems of management
15. Planning and controlling production
16. Computer-aided production management
17. Organising logistics in a company
18. Logistic systems
19. Computer-aided engineering design
20. The process of designing a product
21. Designing production systems
22. Mechanisation, automation and robotization of production processes
23. Metrology of geometric quantities
24. Databases and relational databases
25. Methods of managing quality
26. Conceptual and corrective ergonomics in engineering design
27. The system of managing occupational safety
28. Manufacturing costs in a company
29. Registering and controlling production flow
30. Group technologies