List of subjects for "Rocket systems and astronautics" field of study

- 1. History
- 2. Foreign language
- 3. Philosophy
- 4. Life safety
- 5. Physical education
- 6. Enterprise economics and production management
- 7. Physics
- 8. Mathematics
- 9. Computer science
- 10. Ecology
- 11. Applied mechanics
- 12. Metrology
- 13. Electrical engineering and electronics
- 14. Material science and construction materials technology
- 15. Engineering drawing and computer graphics
- 16. Machine engineering technology basics
- 17. Fluid and gas mechanics
- 18. Vocational profession
- 19. Knowledge and skills systematization in professional activity
- 20. Chemistry
- 21. Thermal dynamics and heat transfer
- 22. Introduction to rocket and space equipment
- 23. Fluid flow, gas and aerodynamics
- 24. Control systems engineering
- 25. CAD basics
- 26. Rocket design basics
- 27. Rocket ballistics
- 28. Rocket engines
- 29. Rocket production process
- 30. Rocket assembly
- 31. Construction robustness
- 32. Hydraulic drive for aircrafts
- 33. Applied physical education
- 34. Machine engineering production equipment
- 35. Numerical control machine tool
- 36. Goods testing and quality control
- 37. Rocket and space equipment testing and reliability control
- 38. Elements of pneumatic and hydraulic systems and aircraft automatic equipment
- 39. Aircraft pneumatic drive
- 40. Special machine-tool attachment design engineering
- 41. Assembly fixture design engineering

- 42. Automated design engineering of technological processes in rocket and space equipment
- 43. Solid modeling of rocket and space equipment
- 44. Composite construction technology
- 45. Nanotechnology in rocket production
- 46. Thermal-protection material in rocket and space equipment
- 47. Thermal conditions of aircrafts
- 48. Education internship (internship for getting primary professional skills, including skills for research)
- 49. Production internship (internship for getting professional skills and experience in the field of study)
- 50. Production internship (pre-diploma practice)
- 51. State exams