

The Ministry of Science and Higher Education of the Russian Federation

Tambov State Technical University

Curriculum

Bachelor's Degree

27.03.04 Technical Systems Management

Direction "Systems and Means for Technological Processes Control"

Full-time (4 years)

Philosophy
History
Social Psychology
Russian Language and Culture of Communication
Foreign Language
Safety of Human Activity
Law
Ecology
Higher Mathematics
Physics
Programming
Information Protection in Information, Control and Computing Systems
Circuitry of Digital Systems
Standardization and Certification of Software and Hardware Complexes
Computer Science and Fundamentals of Artificial Intelligence
Computers, Systems, Networks
Modeling of Control Systems
Project Documentation Management Systems
Numerical Methods for Solving Control Problems
Optimization Methods
Artificial Intelligence in Management of Technical Systems
Fundamentals of Internet Technologies
Introduction into Profession
Project Work in Professional Activity
Theory of Economics
Physical Training and Sport
Drawing
Metrology and Technical Measurements
Fundamentals of Electrical Engineering and Electronics
Theory of Automated Control
Technical Means of Automation and Control
Automation and Control Systems
Design of Automation and Control Systems
Installation, Commissioning and Operation of Control Facilities and Systems
Optimal Control
Local Management Systems
Safe Operation of Electrical Installations
Diagnostics and Reliability of Automated Systems

Information Support of Management Systems
System Software of Control Systems
Mathematical Support of Control Systems
Application Software of Control Systems
Software Facilities for Solving Management Problems
Experiment Planning
Industrial Computing Networks
Object-oriented Programming
Programmable Logic Controllers
Electromechanical Automation Devices
Theory of Finite Automata
Dispatching and Management Systems
Automated Enterprise Management Systems
Elective Disciplines in Physical Training and Sports
Training Practice
Observing Practice
Enterprise Practice
Technological Practice
Project Practice
Pre-Diploma Practice
Final State Examination
Final Qualification Project
Optional Disciplines:
Management Skills
Cross Skills
Forming Civil Position
Applied Mathematics