

The Ministry of Science and Higher Education of the Russian Federation

Tambov State Technical University

Curriculum

Bachelor's Degree

09.03.02 Information Systems and Technologies

Direction "Applied Information Systems and Technologies"

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
Fundamentals of Computer Technology
Intelligent Systems and Technologies
Introduction into Profession
Project Work in Professional Activity
Theory of Economics
Physical Training and Sport
Information Technologies
Theory of Information Processes and Systems
Data Management
Infocommunication Systems and Networks
Architecture of Information Systems
Programming Technologies
Methods and Means of Designing Information Systems and Technologies
Instrumental Means of Information Systems
Management of IT Project
Administration of Computer Networks
Fundamentals of Algorhythmization
Information Systems Modeling
Web-programming
Computer Networks
Modeling of Network Processes
Multimedia Technologies
Fuzzy Logic Methods and Neural Networks
Object-oriented Programming

Knowledge Representation in Information Systems
Protocols and Interfaces of Information Systems
Methods of Optimal Decision Making
Technologies of Data Analysis
Technology of Data Procession
Statistical Methods and Models in Information Systems
System Programming
Methods and Means of Information Protection
Data Processing Structures and Algorithms
Machine Learning
Elective Disciplines in Physical Training and Sports
Training Practice
Observing Practice
Operational Practice
Enterprise Practice
Technological Practice
Pre-Diploma Practice
Final State Examination
Final Qualification Project
Optional Disciplines:
Management Skills
Cross Skills
Forming Civil Position
Applied Mathematics