

The Ministry of Science and Higher Education of the Russian Federation

Tambov State Technical University

# Curriculum

**Bachelor's Degree**

*27.03.02 Mechatronics and Robotics Technology*

*Direction "Quality Systems"*

*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
Artificial Intelligence in Quality Management
Methods and Means of Documentation Management
Vision Systems for Quality Control
Digital Technologies in Quality Management
Introduction into Profession
Project Work in Professional Activity
Theory of Economics
Management and Economic Control of Organization
Marketing
Physical Training and Sport
Drawing
Metrology and Measurement Uncertainty
Quality Management Systems
Technology and Organization of Products and Services Production
Processes Management
Confirmation of Compliance of Quality Systems, Goods and Services
Intellectual Property Protection and Patenting
Modern Concepts of Quality Management
Methods and Means of Measurement, Testing and Control
Statistical Methods in Quality Management
Planning and Organization of Experiment
Design of Automated Quality Control and Management Systems
Self-assessment and Strategic Development of Organization

Automation of Measurements, Control and Testing
Qualimetry and Expert Methods
Physico-chemical Methods of Quality Control
Technology for Development of Regulatory Documentation for Quality Assurance
Organization of Experiences
Internal Audit
Means and Methods of Quality Management
Organization of Applied Research
Elective Disciplines in Physical Training and Sports
<b>Training Practice</b>
<b>Observing Practice</b>
<b>Enterprise Practice</b>
<b>Technological Practice</b>
<b>Project Practice</b>
<b>Pre-Diploma Practice</b>
<b>Final State Examination</b>
<b>Final Qualification Project</b>
<b>Optional Disciplines:</b>
Management Skills
Cross Skills
Forming Civil Position
Applied Mathematics