

The Ministry of Science and Higher Education of the Russian Federation

Tambov State Technical University

Curriculum

Master's Degree

15.04.06 Mechatronics and Robotics Technology

Direction "Mechatronic Systems"

Full-time (2 years)

Technological Entrepreneurship
International Professional Communication
Business Communication and Professional Ethics
Fundamentals of Scientific Research
Modeling of Mechatronic Systems
Information Technologies in Scientific Research
Economic Analysis in Mechatronic Systems
Labor Protection at Enterprise
Programming of Mechatronic Systems
Micromechanical Devices
Drives and Servomechanisms
Programmable Controllers
Organization of Scientific Research and Intellectual Property Protection
Experiment Theory in Systems Research
Methods and Theories of Optimization
Metrological Support in Mechatronics
Fuzzy Logics in Mechatronic Systems Control
Information and Sensor Systems
Control and Management Systems in Mechatronics
Non-destructive Control
Application of Mechatronic Systems in Quality Control and Diagnostics
Training Practice
Observing Practice
Enterprise Practice
Scientific and Research Work
Pre-Diploma Practice
Final State Examination
Final Qualification Project
Optional Disciplines:
Business English
Pedagogics of Higher School
Organizational and Managerial Activities