BARTIN UNIVERSITY
KEYWORDS FOR THE FIELD OF SPECIALIZATION

Smart Materials and Industrial Applications

-Quantum Materials

-Nanomaterials

-Defence Industry Supplies

-Superconductivity

-Shape Memory Alloys and Composites

Smart Technologies

-5G/6G Technology

-Smart Industry

-Smart Energy

-Smart House

-Smart Port

-Smart Logistics

-Smart Health

-Smart Textile

-Smart Transportation

-Virtual Universe (Metaverse)

-High Technology Import Export

Cloud Technology

-Cloud computing

-IaaS - Infrastructure as a Service

-PaaS - Platform as a Service

-SaaS - Software as a Service

-XaaS-Anything as a Service

Big Data and Analytics

-Bioinformatics

-Big Data

-Deep Learning

-Image processing

-Coding

-Machine Learning

-Mathematical Modeling

-Text Mining

-Optimization and Decision Making

-Data Visualization

-Data mining

-Web Mining

-Artificial Intelligence

-High Performance Computing

Digital Transformation

-Open Access and Digital Archive

-Blockchain

-Digital Archeology

-Digital marketing

-Digital Recreation

-Digital Society

-Digital Citizenship

-Accessible Life and Digitalization

-E-learning

-Human Resources

-Human-Technology Interaction

-Decision Making Processes

Energy Technologies

-Alternative Energy Technologies

-Bioenergy

-Biomass

-Biorefinery

-Energy and Energy Efficiency

-Hydrogen Energy Technologies

-Renewable energy

Additive Manufacturing

- 3d printer
- Multi Jet Fusion (MJF)
- Direct Metal Laser Sintering DMLS)
- Electron Beam Melting (EBM)
- Fused Deposition Modeling (FDM)
- Material Jetting
- Selective Laser Melting (SLM)
- Selective Surface Sintering (SLS)
- Reverse Engineering
- Topology Optimization

Chemical Technologies

- Battery Technologies
- Bioengineering
- Biosensors
- Biotechnology
- Natural Gas Conversion Technologies
- Integrated Waste Systems
- Molecular biology and genetics
- Diagnostic Kits

Internet of Things

- Smart Systems (Smart Systems)
- Cloud Architecture
- Sensor Communication
- Edge Computing
- Data Collection & Analysis

Autonomous Robots

- Environmental Monitoring Robots
- Route Planning
- Unmanned Marine
- Vehicles -Unmanned
- Aerial Vehicles -Unmanned Land Vehicles
- Autonomous Systems
- Robot Manipulator, Medical Robots
- Robot Navigation
- Robotic Learning
- Field Robotics

Cyber security

- Smart Systems Security
- Information and Computer Security
- Biometric Security Systems
- Big Data Security
- Financial Systems Security
- Mobile and Web Forensics
- Infiltration Detection and Prevention Systems
- Cyber Security Economy
- Cyber Security Law
- Cyber Warfare
- Cyber crime
- Cyber Crime Sociology
- Cyber-Physical Systems
- Medical Systems Security

Simulation

- 3D Virtual Environments
- Augmented Reality
- Digital Twin
- Augmented Reality
- Human-Computer Interaction
- Mixed Reality
- Mixed Simulation
- Discrete Event Simulation
- Petri Nets
- Virtual Reality
- System Dynamics
- Three Dimensional Modeling
- Proxy Based Modeling and Simulation

Sustainable Environment and Urbanism	Horizontal and Vertical System Integration
-Smart Citizen and Participation	-Equipment Integration
-Smart and Sustainable Environment	-Human Integration
-Smart and Sustainable Economy	-Customer Service Management Integration
-Smart and Sustainable Security	-Organization Integration
-Smart and Sustainable Urbanization	-Planning and Management Integration
-Smart and Sustainable Port Management	-Process Integration
-Smart and Sustainable Mobility	-Supply Integration -Product
-Smart and Sustainable Living	Integration
-Smart and Sustainable Management	
-Filyos Region and Seabed Engineering -Climate Change and Digitalization -Climate Change and Agriculture	