Master Program: 2 years

Institute: Institute of Electronic Engineering & Instrumentation

Study Program: Technical Systems Management

Profile: Digital Production Management And Industrial Internet Of Things

Language of Training: Russian

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **№** | **Subject** | **Semester** | **Hours** | **Credits** |
| М.1.1.1 | Methods of linear and non-linear mathematical physics | 1 | 180 | 5 |
| М.1.1.1 | Methods of linear and non-linear mathematical physics | 2 | 180 | 5 |
| М.1.1.2 | Digital production | 1 | 108 | 3 |
| М.1.1.3 | Modern problems of management theory | 3 | 72 | 2 |
| M.1.1.4 | Computer-aided design of management tools and systems | 1 | 108 | 3 |
| M.1.1.5 | Foreign language for business communication | 1 | 108 | 3 |
| М.1.2.1 | Spoken foreign language | 3 | 108 | 3 |
| М.1.2.2 | Adaptive management methods | 2 | 108 | 3 |
| М.1.2.3 | Artificial intelligence and big data processing | 2 | 108 | 3 |
| М.1.2.4 | Digital signal processing | 3 | 144 | 4 |
| М.1.2.5 | Industrial Internet of Things | 2 | 180 | 5 |
| М.1.2.6 | Technological entrepreneurship | 3 | 72 | 2 |
| М.1.3.1.1 | Circuit design | 3 | 108 | 3 |
| М.1.3.1.2 | Fundamentals of motion control theory | /3 | 0 | 0 |
| М.1.3.2.1 | Information-theoretical analysis of control systems | 1 | 180 | 5 |
| М.1.3.2.2 | Evaluation and filtering in management tasks | /1 | 0 | 0 |
| М.1.3.2.3 | Military training | /1 | 0 | 0 |
| М.1.3.3.1 | Methods of nonlinear dynamics in radio electronics and telecommunications | 2 | 144 | 4 |
| М.1.3.3.2 | Modern problems of the theory of nonlinear systems | /2 | 0 | 0 |
| М.1.3.4.1 | Information analysis based on computer data processing methods | 3 | 108 | 3 |
| М.1.3.4.2 | Identification of management objects | /3 | 0 | 0 |
| М.1.3.5.1 | Mathematical modeling of nonlinear systems | 3 | 144 | 4 |
| М.1.3.5.2 | Control in robotic and mechatronic systems | /3 | 0 | 0 |
|  | **Total** |  | **2160** | **60** |