**09.02.03 Programming in computer systems**

**Program Summary**

**Program title**: Programming in computer systems

**Program goals**: training in the field of humanitarian, social, economic, mathematical and natural sciences, secondary professional (engineering) education, allowing the graduate to work successfully in the chosen field, possess universal and specialized competences, promote social mobility and competitiveness in the labor market.

**Duration of study**: the training is based on secondary (complete) education. Full-time education - 2 years 10 months; part-time – 3 years 10 months.

**Department**: NRNU MEPhI SPTI Polytechnic.

**Areas of expertise**: a set of methods and tools for the development, support and maintenance of software computer systems.

 **The objects of professional activity**: computer systems; automated systems of information processing and management; software computer systems (program, program complexes and systems); mathematical, information, technical, ergonomic, organizational and legal support of computer systems; primary labor collectives.

**Curriculum features**: basic educational program of secondary professional education, implemented by Programming in computer systems specialization. The curriculum includes the following professional modules: computer system software development; Development and administration of databases; Participation in the integration of software modules; internship according to the “Operator of electronic computer and computing machines” specialization.

**List of companies for internship and graduate employment**: VNIIEF-Konversiya, Avangard-Conversion, RFNC-VNIIEF Power Management, Expert-Audit, Youth center, etc.