Program:

1. Basic concepts of set theory and operations on sets: the sum, the product, Cartesian product, a set of power series, relations, functions, equivalence relations, equivalence classes, the set quotient. (4 hours).

2. Powers harvest. Finite and infinite. Countable sets. Cantor and the power of the continuum. (4 hours).

3. Partial cleaning elements the minimum and smallest limits. Cleanup line. Examples. Fixed point theorem. Good cleaning. (6 hours).

4. The syntax and semantics of propositional calculus and predicate calculus. The concept of compliance and accuracy of formulas. Consistency of a set of formulas. Information about the compactness theorem. (6 hours).

5. Unification of terms. Information on the method of resolution. (6 hours).

6. Proving theorems. Information about gentzenowskich hilbertowskich and command systems. Information about the completeness theorem. (4 hours).