

ANNOTATION  
N  
To TRAINING PROGRAM INSTITUTIONS HIGHER EDUCATION

Consolidation : 1-53 01 01 « Automatic vozzarv techvologtueskvh itro q ess  
a breeding ( during vatiraapevavm )"

	The form receiving higher education
	full-time (daily)
Семестр	four
Лекции, часы	fifty
Shraktcheskne ( semnarskie ) zachtiya , watch	fifteen
Laboratory lessons, watch	fifteen
Differentiated offset, semester	four
classroom hours on educational discipline	82
U independent Work, watch	38
In this hours on educational discipline/ test units	120/3

1. Brief content educational disciplines.

The discipline "Theoretical Foundations of Electrical Engineering" includes two blocks: the theory of electrical circuits and the theory of the electromagnetic field. The task of the discipline is from the teachings of one forms of matter— electromagnetic fields and his manifestations in various technical devices,

ISSLNDOVNNIN SOV JE N MNNO bsh MNTODOV MODNLIJEOW NNR FORCTJEOM NGNITN bsh PJEOSPCCOB, MNTODOV OHOR 3 H  
and calculation electrical chains and electromagnetic fields.

2. results learning.

AT result development educational disciplines student must

Call: the minimum basic set of ideal circuit elements; methods for compiling topological - logical equations of electrical circuits in a general form; signal representation methods ; in time and frequency areas; methods calculation electrical chains; main laws linear and non-linear electrical and magnetic chains; laws and theorems electromagnetic field.

Be able to: set and solve problems of analysis and synthesis of electrical and magnetic circuits of varying complexity; to form models of signals and circuit elements with a certain degree of idealization of physical phenomena in real electrical devices, select and configure equipment, measuring appliances and other devices for fulfillment experimental

RESEARCHNNI AT ELICTJEIHN SKIS CIPHX SO PEOPLE HTB PJETV IUI H TECHNIQUES H3OP HCHOSTI PJEI JEH OTH FROM ELNK—  
troinstallations , competently conduct experimental research and right evaluate the results; to use modern means of computer technology in the performance of settlement and graphic works.

TRACK: ISTODNMI ObPANCAKEH FORCTJE HNISKIS CISING And ELICTJEOMYUGNITNSH FULLY MXTODNMI OPJENDLN—  
nia major parameters electrical chains.

3. Formed competencies: BNK-3 “To be able to use basic laws electro - techniques \_ and own methods them application , \_ \_ apply electronic elements and appliances in  
SYSTEMS CX TV THEN MTHIS NCII” .

four Requirements and forms current attestations: differentiated offset (oral-written the form) . For admission to the test, the student in accordance with the curriculum is obliged to fulfill and protect laboratory work, as well as individual assignments.