

An annotation of discipline is the "Mathematical design of the systems and processes of I". General information

Discipline behaves to the cycle of general engineering disciplinesher role and value consist in the necessity of study of methodical bases of design of devices future specialists by means of COMPUTER.

Place of discipline the "Mathematical design of the systems and processes" in the in structural and logical scheme of studies is on speciality determined from one side by the necessity of the previous mastering by the students of basic disciplines of fundamental cycle and initial disciplines of cycle of informatics, and from other - to provide them further studies after the basic special disciplines and qualificatory disciplines of cycle of informatics possessing methodologies of decision of the special tasks most effective facilities by acquisition of base knowledge from applied in practice of modern industrial designer developments of the computer-assisted planning of devices and vehicles. Foundation for discipline the "Mathematical design of the systems and processes" is folded by disciplines: higher mathematics, analytical geometry, physicist, computer science, mathematical methods and models in calculations on COMPUTER. The knowledge purchased by students at the study of discipline the "Mathematical design of the systems and processes" must be used by them at the decision of basic tasks of speciality directly in such disciplines, scientific researches in industry of measuring of mechanical sizes, and also for their further application, as component part of methodologies of computer-assisted design of the systems and processing of data.