INFORMATION SYSTEMS CAD
(name of the discipline)

ANNOTATION
TO THE CURRICULUM OF A HIGHER EDUCATION INSTITUTION

Specialty 1-53 01 01 «Automation of technological processes and productions»

	Form of higher education
	Full-time (daytime)
Course	4
Semester	7
Lectures, hours	34
Practical classes, hours	50
Course project, semester	7
Exam, semester	7
Classroom hours in the academic discipline	84
Independent work, hours	36
Total hours of academic discipline / credits	120/3

1. Summary of the academic discipline

The purpose of the discipline is to present to students of the specialty 1-53 01 01 "Automation of technological processes and production" the theoretical foundations and practical examples of database design and to provide fundamental training for students on the use of modern DBMS.

2. Learning outcomes

The objective of the discipline is to acquire database design skills.

As a result of mastering the discipline, the student should **know**:

- methods and means of database design;
- tools for automated development of information systems;
- architecture of information systems; - technology of design of distributed information systems.

As a result of mastering the discipline, the student should **be able to**:

- design databases;
- practically implement modern methods and means of designing CAD information support based on the tools of automated development of information systems.

As a result of mastering the discipline, the student must **possess**:

- database design skills;
- analytical skills in the selection and justification of design decisions on the structure of information models and CAD databases;
- CAD information support design skills using modern CASE tools.

3. Formed competencies

Mastering this discipline should ensure the formation of the competence of SK-14.1 - possess modern database design automation tools, be able to organize access to data, choose the architecture of a remote database at the request of a specific task.

4. Educational technologies: multimedia, using computers.