

PRODUCTION TECHNOLOGIES

ANNOTATION TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 1-27 01 01 "Economics and organization of production"

Direction of the specialty 1-27 01 01-01 "Economics and organization of production (engineering)"

Specialization 1-27 01 01-01 02 "Organization of the use of production resources in mechanical engineering"

	Form of higher education	
	Full-time (daytime)	Part-time (abbreviated)
Course	2	2
Semester	4	3
Lectures, hours	34	8
Practical (seminar) classes, hours	16	4
Pass, semester	4	3
Classroom hours per academic discipline	50	12
Independent work, hours	58	100
Total hours per academic discipline / credit units	108/3	

1. **Brief content of the discipline:** introduction to production technologies; regularities of technological processes development and their system; general characteristics of technological processes; regularities of technological processes functioning; regularities of formation, functioning and development of technological and technical production systems; general information on the technological structure of the economic complex of the Republic of Belarus; basics of engineering production technologies; machinery for industrial production; raw materials and energy base of engineering production; efficiency of technological processes; scientific and technological progress in mechanical engineering; advanced automated manufacturing technologies

2. **Learning outcomes. As a result of mastering the academic discipline, the student must:**

- **know:** natural science foundations for the construction of technological processes of modern production; regularities of formation and development of technological processes; regularities of formation, functioning and development of technological and technical production systems; advanced technologies of automation and informatization of production; fundamentals of metalworking and mechanical engineering technology;

- **be able to:** to scientifically explain and analyse developments in the production process; work independently at different levels of process control be able to create new ideas in the field of process control; have the skills to use technical devices in information management and work with a computer;

- **possess:** basic scientific and theoretical knowledge for solving theoretical and practical problems; research skills; systemic and comparative analysis; a multidisciplinary approach to problem solving.

3. **Formed competencies:** SC-15 - know the peculiarities of production technologies used at the enterprise.

4. **Requirements and forms of current and intermediate certification.** Modular rating system is used. Intermediate certification: protection of an individual task. Current certification: pass.