

1. Name of discipline: “*Fundamentals of CAD-systems*”

2. Direction: “*Oil and gas Engineering*”

3. Profile: “*Machines and equipment for oil and gas fields*”

4. Degree: *Bachelor*

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6. Goals of the discipline – to promote development scientific and technical thinking and the acquisition by students of the necessary knowledges and practical skills in the field of production automation

7. Results of training (knowledge, skills, experience, competence)

R1 Use computer-aided design in all design phases

R9 To create drawings of parts and assembly drawings

R10 To create drawings of parts and assemblies drawings using 3D models of design object

8. The program of this discipline is compiled in accordance with the requirements of *Federal Education Standards*, criteria of the *Association for Engineering Education of Russia* coordinated with the requirements of the National standards *EURACE* and *FEANI*