Mechanic Engineering Technology and Equipment

Samara National Research University

Degree or qualification is awarded: **Bachelor's Diploma**

Language of study: **Russian**
Mode of study: **part-time**
Duration: **4 years 8 monts years**
Availability of free education: **yes**
Price: **45 800 RUB per year**

Programme webpage at the university website:
https://ssau.ru/english/education/programs/423/f8fe2905-7c63-11e9-aa08-005056a7430c#program-desc

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'Mechanical Engineering' applied bachelor's degree program is aimed at training of qualified specialists armed with deep theoretical knowledge and practical skills in the field of high-tech mechanical engineering.

The students undergo a comprehensive academic course for design in mechanical equipment manufacturing, from feasibility study of the process, selection of feedstock, tools design, process technology development, to selection of equipment and production shop design.

Field-specific training envisions the advanced study of the technological issues encountered in aerospace (mechanical) engineering, methods, processes and equipment ensuring high quality of part surfaces by machining of metals and stamping processes.

Upon completing their studies, graduates can assume production, technical, engineering and research-and-development positions at major industrial enterprises and field-specific holdings whose business deals with high technologies.

Brief characterisation of the programme

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Features (advantages) of the programme

The main advantage of this program lies in its concentrated practical focus.

Admission to the program is mainly performed among graduates of vocational colleges and technical schools specializing in related fields.

The majority of students are employees of "Progress" Rocket-Space Center JSC, "Kuznetsov" PJSC, "Aviacor" OJSC, "Aviaagregat" OJSC, "Miniature Bearings Factory" LLC.

The academic plan and practical training program have been developed in close contact and coordination with the staff training department at "Progress" Rocket-Space Center JSC.

Academic programme structure (curriculum features)

The main focus of academic process is comprehensive and continuous technological training, as well as an integrated approach to the organization of the process of study.

The academic process is divided into several interrelated cycles: informational, technological and industrial. As a rule, the study cycle concludes with a final paper or trainee practice. The bulk of academic disciplines consists of laboratory work, coursework, academic internships and work placements.

Aside from special technological disciplines, the program envisions a significant volume of general engineering disciplines, whereby the graduates become universal specialists capable of applying their knowledge, ability and skills in any field.

The academic program consists of three blocks with an overall volume of 240 course credit units (CCU) as follows:

- Disciplines (modules) – 280CCU;
- Practical training – 24 CCU;
- State final certification – 9CCU.

Future profession

Upon completing their studies, graduates can continue their academic work or assume production, technical and engineering positions at major industrial enterprises and field-specific holdings whose business deals with high technologies.

Specializations within this programme