

An abstract graphic featuring interlocking gears in shades of blue and white. The gears are partially obscured by a series of curved, parallel blue lines that sweep across the frame from the top left towards the bottom right, creating a sense of motion and depth.

Mechanical Engineering

Degree of Study: 3 years (Master's degree)

Contact Information (academic consultation):

Prof. Han

Tel: 0086-871-65933022;

Email: han_shichang@163.com

Core Curriculum

1. Digital Design and Manufacturing
2. Scientific Computation
3. Mechanical System Dynamics
4. Modern Control Engineering
5. Signals and Systems
6. Hydraulic System and Control
7. Systematic Design and Simulation of Electromechanical Equipment
8. AI and Application
9. Health Intelligent Maintenance of Electromechanical System
10. Robotics

The subject of mechanical engineering in Kunming University of Science and Technology (KUST) covers mechanical manufacturing and automation, mechanical design and theory, mechanical and electronic engineering, vehicle engineering, industrial engineering, industrial design, agricultural engineering and their application. It is evaluated as B- in the 4th China University Subject Rankings (CUSR) which is one of the four B grade subjects in KUST. In 2020 the Best Chinese Subjects Ranking of Mechanical Engineering, it ranks top 20%, the 40th.

The English master program of mechanical engineering has three disciplines: digital design and manufacturing of mechanical and electrical equipment, intelligent healthy maintenance of mechanical and electrical systems, and robot and artificial intelligence. The students are required to master basic theoretical knowledge and professional knowledge in mechanical engineering, possess good self-learning ability, practical problem solving and innovation ability. The aim of this program is to cultivate international high-level talents with solid comprehensive quality, strong practice and innovation ability. They will meet the requirements for intelligent manufacturing and applications, who can be engaged in product innovation and research in mechanical engineering as well as product/service innovation. They can work in the field of research and development, design, manufacturing, product service, management in mechanical engineering, industrial innovation of equipment and service with sustainable vision and application ability.

