

Materials Science & Engineering Department

I. Degree programs (Academic degree: Bachelor of Engineering)

1. Materials Science and Engineering

The main courses provided in Materials Science & Engineering are as follows: Advanced Mathematics, College Physics, Mechanical Drawing and CAD, Computer Fundamentals, Physical Chemical, Modern Technology of Materials Making & Preparation, Mechanics of Materials, Materials Science & Engineering Fundamentals, Technology of Electron and Electrician, Survey of New Materials, Metallography & Heat Treatment, Mechanical Designing & Manufacturing Fundamentals, Inorganic Nonmetals Materials, Electro-technical & Electron Techniques, Enterprise Management, etc.

2. Metallurgical Engineering

The main courses provided in Metallurgical Engineering are as follows: Metallurgical Theory, Metallurgical Transmission Theory, Iron-making Science, Steel-making Science, Metallurgy of Nonferrous Metals, Metallography & Heat Treatment, Mechanical Designing & Manufacturing Fundamentals, Metallurgical Electrochemistry, Chemical Engineering Theory and Techniques, Electro-technical & Electron Techniques, Enterprise Management, etc.

3. Materials Molding and Controlling Techniques

The main courses provided in Materials Molding and Controlling Techniques are as follows: Materials Science & Engineering Fundamentals, Mechanical Designing Fundamentals, Mechanical Manufacturing Fundamentals, Materials Molding & Designing Techniques, Metallography, Auto-controlling Theory, Numerical-controlling Techniques, Mold Designing & Manufacturing, Material Machining CAD/CAM, Electro-technical & Electron Techniques, Enterprise Management, etc.