

## Mechanical Design, Manufacture & Automation

**Program Objective:** Program aims to train applied technical talents engaged in mechanical design and manufacture, technology application and reform, operation management, and sales and marketing, etc. in the field of equipment manufacture.

**Employment Prospects:** Graduates are mainly engaged in product design and development, test, data programming, equipment installation, maintenance, repair and production organization and management in the field of mechanical design and manufacture industry and electric power industry.

<b>1<sup>st</sup> Year</b>	The 1 <sup>st</sup> Semester	The 2 <sup>nd</sup> Semester
	Comprehensive Chinese1 Chinese Culture and History Fundamental Law Advanced Mathematics1 Linear Algebra Fundamental Computer College Physics& Experiment	Comprehensive Chinese2 Advanced Mathematics2 College Physics& Experiment C Programming Mechanical Engineering Graphic & CAD Probability and Mathematical Statistics Engineering Training
<b>2<sup>nd</sup> Year</b>	The 1 <sup>st</sup> Semester	The 2 <sup>nd</sup> Semester
	Comprehensive Chinese3 Electrical Engineering Theoretical Mechanics Pyrology and Fluid Mechanics Engineering Materials Mechanical Engineering Graphic & CAD Mechanical Geomatics	Comprehensive Chinese3 CAD Mechanisms and Machine Theory* Mechanics of Materials* Hydraulic and Pneumatic Transmission Technology of Electronics
	The 1 <sup>st</sup> Semester	The 2 <sup>nd</sup> Semester

<p><b>3<sup>rd</sup> Year</b></p>	<p>Chinese of Science and Technology Basic Mechanic Engineering Control Technology of Exchangeability Measurement Machinery Design Material Processing Technology Mechanical Engineering Testing Technology Course Exercise in Mechanical Design</p>	<p>Chinese of Science and Technology Microcomputer Theory and Applications CAD/CAM Mechanical Manufacturing Engineering* Computational &amp; Experimental Meth in Engineering Mechatronics System Design* Major Practice</p>
<p><b>4<sup>th</sup> Year</b></p>	<p>The 1<sup>st</sup> Semester Mechanical Manufacturing Equipments Design Electromechanical Transmission and Controls* Numerical control technology and its application Mould Design and Manufacturing Mechanical vibration Foundation Graduate Research Integrated ElectromechanicalPractice Production Practice/Internship</p>	<p>The 2<sup>nd</sup> Semester Graduation Project &amp; Thesis</p>

