

Mechanical Engineering Course

Nanjing University of Aeronautical and Astronautical

Semester 1

- Linear Algebra
- Algebra & Trigonometry
- An Introduction to Computer
- Orientation Program
- Basic Chinese Speaking
- Comprehensive Chinese (1)
- An Introduction to China
- Engineering Graphics

Semester 2

- An Introduction to Aeronautics
- Calculus for Engineering Sciences (1)
- Physics (1)
- Physics Experiments (1)
- Basic Chinese Listening
- Comprehensive Chinese (2)
- Chinese Culture
- Engineering Graphics
- An Introduction to Business Administration
- Computer Programming
- Essential English Writing

Semester 3

- Physics Experiments (2)
- Physics (2)
- Comprehensive Chinese (3)
- Academic English Writing
- Probability & Statistics
- Engineering Mechanics
- Electrical Engineering & Electronic Technique (1)
- Engineering Training
- Engineering Economics
- Calculus for Engineering Sciences (2)
- Reading in Chinese
- Communication in Chinese
- Information Retrieval & Utilization
- Robot Design and Fabrication

Semester 4

- Engineering Mechanics
- Electrical Engineering & Electronic Technique (2)
- Course Project: Mechanical Design
- Mechanical Principles
- Fundamentals of Materials Science and Engineering
- Course Project: Fundamentals of Materials Science and Engineering
- Project to Electrical Engineering & Electronic Technique
- Computer Networking
- Java Language & Programming
- Engineering Thermodynamics
- Numerical Analysis
- Intermediate Chinese

Semester 5

- Machine Design
- Measurement Techniques
- Mechanical Manufacturing Technology
- Course Project: Machine Design
- Integrated Experiments of Machine Design
- An Introduction to Industrial Engineering
- An Introduction to Marketing Management
- Software Engineering
- Control System Engineering
- Chinese-to-English Translation

Semester 6

- Finite Element Method in Mechanical Engineering
- Course Project: Mechanical Manufacturing Technology & Equipment
- Mechanical Manufacturing Technology and Equipment
- An Introduction to CAD/CAM
- Principles of Micro-computer
- An Introduction to E-Business
- Management Information System
- Basic Writing in Chinese

Semester 7

- Programmable Logics Controller
- Course Project: Numerical Control Machine Technology
- Numerical Control Machine Technology
- Advanced Training of Mechanical Engineering

- Mechanical Vibration
- Robotics
- Die & Mould Technology
- Multi-media Technology & Applications
- Computer Integrated Manufacturing Technology

Semester 8

- Graduation Project 8