

Curriculum & Sessions

1. Compulsory Common Courses

(5 Units, For Chinese Mainland Students)

- Theory and Practice of Socialism with (60680012) 2 Units (Examination)

Chinese Characteristics

- Introduction to Dialectics of Nature (60680021) 1 Unit (Examination)
- First Foreign Language 2 Units (Examination)

Compulsory Common Courses

(3 Units, For International Students)

- Chinese Culture and Society (60610082) 2 Units (Examination)
- Chinese Philosophy (60610132) 2 Units (Examination)
- Chinese History and Culture (60690032) 2 Units (Examination)
- Chinese Language 2 Units (Examination)
 - Basic Chinese (60610162)
 - Mid-Level Chinese (60610172)

2. Subject Courses (15 Units)

➤ **Interdisciplinary Foundation Courses (6 Units)**

- ※ Intellectual Property Management 2 Units
- ※ Operations & Statistics 2 Units
- Low Carbon Economy & Technology (76000013) 3 Units, Fall
- Advanced Managerial Economics (86000072) 2 Units, Examination, Fall

➤ **Subject Courses (9 Units)**

- Introduction to New Energy Technology (82910183) 3 Units, Examination, Fall
- Transportation Environment Impact Analysis 2 Units, Spring
- Principles of Environmental Behavior 2 Units, Spring
- Materials Chemistry 3 Units, Fall
- Materials Physics 2 Units, Spring
- Advanced Carbon Materials (80350202) 2 Units, Examination, Fall
- New Technology for Environmental Pollution Control 2 Units, Spring
- Introduction to Smart Grid (86000042) 2 Units, Spring
- Logistics System Analysis and Optimization 3 Units, Spring
- Transportation Modeling and Simulation 2 Units, Spring

- Computational Materials and Materials 3 Units, Examination, Fall
Genome Initiative
- Other courses approved by advisor(s), offered by the Graduate School at Shenzhen, Tsinghua University or Open Fiesta Program.

4. Academic & Professional Development Courses (Minimum of 1 unit)

- Career Development & Professional (66000022) 1 Unit
Expression
- Methods of Selecting Research Topics 1 Unit

5. Compulsory Sessions (3 units)

- Literature Review & Report on Thesis (69990021) 1 Unit
Topic Selection

- Academic Activities (69990031) 1 Unit
- Capstone Project 1 Unit