Information Engineering
(B.Eng. Program of BUPT)

Mathematics & Physics

Mathematics:

- Mathematic Analysis I (86)
- Mathematic Analysis II (89)
- Linear Algebra (92)
- Engineering Mathematics
- Probability Theories and Mathematical Statistics (92)
- Discrete Mathematics (90)
- Mathematical Experiments (95)

Physics:

- University Physics I (89)
- University Physics II

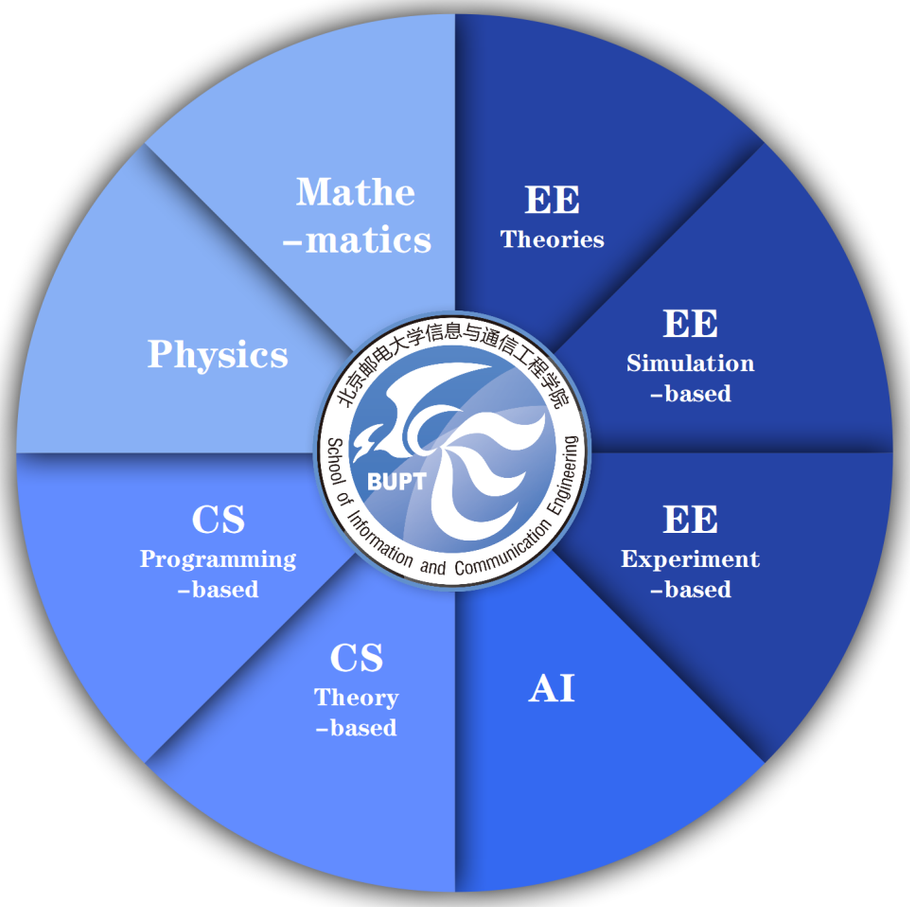
Computer Science

Programming-based:

- Python (Major Coding Language)
  - Python Programming (89)
  - Comprehensive Experiment of Programming (85)
- C/C++ (Simulations)
  - C/C++ Programming
- Java (APP Development)
  - Information System Design (92)
  - Curriculum Design on Smart Mobile Terminals (95)
- SQL (Database Development)
  - Database System and Cloud Storage (86)

Theory-based:

- Data Structures and Algorithms
- Computer Principle and Application (90)
- Computer Networks and Internet (97)



北京郵電大學
Beijing University of Posts and Telecommunications

Electronic Engineering

Theories:

- Electronic and Circuit Foundation (94)
- Digital System Design (89)
- Signals and Systems (86)
- Digital Signal Processing (87)
- Wireless Internet of Things: Fundamental Theories and Application (88)
- Principles of Communication I (96)
- Information Theory (99)
- Random Signal Analysis (98)
- Basic Theories of Networks (98)
- Information Processing and Coding (85)

Simulation-based:

- Modeling and Simulation of Information Network (91)
- Experiment of Electronic and Circuit Foundation I (91)
- Principles of Communications Laboratory (96)

Experiment-based:

- Introduction of Information and Communication Engineering (Good)
- Experiment of Electronic and Circuit Foundation II
- Experiment of Digital System Design (91)
- Practicum in Electronic Techniques (87)

Artificial Intelligence

Theories:

- Introduction to Artificial Intelligence (100)
- Artificial Intelligence and Social Development (89)
- Cognitive and Artificial Intelligence (97)

Applications:

- Pattern Recognition and Applications (94)
- Natural Language Understanding (Studying)

NOTE: This graph serves ONLY as a reference to the course structure of the program. Courses that are displayed in grey are elective/optional. Underlined courses could be of fundament to specializations in fields of Robotics.