

Training Objectives

The Transportation programme at Shenzhen Technology University is designed to cultivate high-level professionals for modern urban integrated transportation systems. Graduates will master fundamental theories, methodologies, and enabling technologies in transportation engineering and related interdisciplinary fields.

They are expected to possess a strong sense of social responsibility, humanistic qualities, professional ethics, international perspective, and innovative spirit. The programme emphasizes engineering practice and aims to develop graduates who can comprehensively apply their knowledge and skills—while considering economic, environmental, legal, and safety constraints — to solve practical engineering problems.

Upon completion of the four-year programme, graduates should:

- Have a solid foundation in humanities, social sciences, mathematics, and natural sciences.
- Systematically master core and interdisciplinary knowledge in transportation.
- Be able to integrate and flexibly apply theory and expertise in engineering practice.
- Demonstrate strong competence in mathematics, economic management, computer science, and foreign languages.
- Be capable of conducting research, development, design, and implementation of transportation engineering solutions, with a focus on system optimization.
- Be proficient in literature review, data analysis, and the use of modern information technology.
- Exhibit teamwork, organizational management, and cross-cultural communication skills.
- Demonstrate adaptability, innovative thinking, and a commitment to lifelong learning.

Graduates will be well-prepared for careers in engineering design, technology development, maintenance and control, organizational management, and innovation within the fields of transportation — such as intelligent transportation systems, planning, and management.