

Training Objectives

This program is based on the regional economic and social development needs, aiming at the construction of new-type urbanization and rural revitalization. It trains professionals who meet the national infrastructure development needs, with solid engineering practice skills, autonomous learning ability, cooperative communication skills, and innovation capabilities. These professionals are prepared to work in construction, management, and design roles in areas such as road and bridge engineering, building engineering, and urban rail transit engineering, possessing strong professional ethics and social responsibility.

The knowledge, skills, and abilities of the program's graduates are designed to achieve the following objectives:

Training Objective 1: Master basic knowledge in mathematics, natural sciences, and information technology to lay a solid foundation for subsequent coursework, applying the learned knowledge to solve engineering problems.

Training Objective 2: Master fundamental knowledge in civil engineering and use this knowledge to identify and analyze complex engineering problems, building a solid foundation for further solving complex civil engineering issues.

Training Objective 3: Master professional knowledge in civil engineering, capable of investigating, designing, and analyzing complex engineering problems in related fields, and proposing solutions that meet the specific needs of complex civil engineering challenges.

Training Objective 4: Master cutting-edge knowledge and skills in civil engineering, able to track the development trends in the field and pursue further self-development.

Training Objective 5: Master cross-cultural and international cooperation and communication skills that are adaptable to social development and globalization.

Training Objective 6: Understand China's current social model and norms, demonstrating good social behavior, teamwork spirit, and humanistic care. Develop comprehensively in moral, intellectual, physical, and psychological aspects.