



MSc Tunnelling and Underground Space

- ▶ Apply your civil or geological engineering background to gain specialist knowledge in a growing and exciting industry, with a part-time study option.
- ▶ Expert lecturers from academic research and industry ensure content is up to date and relevant for the world's needs and challenges.
- ▶ The only UK course of its kind to be endorsed and supported by the British Tunnelling Society and the International Tunnelling Association.

 warwick.ac.uk/tunnelling



WARWICK
THE UNIVERSITY OF WARWICK

START DATE: September 2021 | **DURATION:** 12 months full-time or 24 or 36 months part-time

WHY TUNNELLING AND UNDERGROUND SPACE?

This is a highly respected Master's degree which provides a holistic overview as well as directly applied technical content in this exciting discipline with excellent job opportunities in many countries. At least 20% of teaching is delivered by guest speakers from industry ensuring the course is relevant. Specialist subjects and interesting case studies are presented by experts with first-hand experience of design and construction. Two- and three-year learning options and intensive module delivery allows you to upskill whilst working. This course appeals to full time and part-time students from around the world, creating a rich and diverse learning experience. Scholarships and bursaries are available.

ABOUT THE COURSE

Eight core modules cover the essential elements of tunnelling and underground space construction including:

- Geological Investigation and Ground Characterisation
- Underground Construction Methods
- Communication and Leadership
- Rock Mechanics
- Tunnel Design
- Finite Element Methods for Tunnelling
- Health, Safety and Environmental Considerations
- Construction Management

With guidance from a supervisor, full-time students conduct a group design project giving excellent preparation for industry. Part-time students undertake an individual project relevant to their needs and interests.

The contact time for each module is in one week, Monday to Friday. This enables part-time students to continue working while doing the MSc.

ENTRY REQUIREMENTS

Minimum 2:2 in a related first degree. For English language requirements visit warwick.ac.uk/tunnelling

