To engineer a better world we need expertise that spans technology, management and social sciences.

Humanitarian Engineers create appropriate, sustainable and holistic solutions to global challenges by integrating science and engineering with approaches from social sciences, law, health and medicine, management, business, and economics.

This unique and cutting-edge course provides students with rigorous interdisciplinary training in the field of Humanitarian Engineering, from international development to humanitarianism and disasters emergencies.

- MSc Humanitarian Engineering
- MSc Humanitarian Engineering with Sustainability
- MSc Humanitarian Engineering with Management

This flexible and innovative course offers you the opportunity to tailor your studies towards engineering, management, or social sciences.
CAREERS

Humanitarian Engineering graduates will be well-placed to work with governments (e.g. central banks, ministries of finance, rural development, and education).

You’ll gain skills that are sought by multilateral development institutions (e.g. World Bank, IMF, United Nations), NGOs and private sector (e.g. professional services, manufacturing, and investment banking). Some students may decide to pursue PhD studies.

Students may choose to undertake a Master of Science, Postgraduate Diploma, Certificate or Award.

ENTRY REQUIREMENTS

A Bachelor’s degree (in Engineering, Science, Social Science, Business, Medical Science) with a minimum classification of Second Class Honours, Upper Division (2:1) or its international equivalent. We will consider graduates of all disciplines, as well as applicants with a degree result of 2:2 (or equivalent) with relevant professional experience.

LANGUAGE REQUIREMENTS

IELTS Band of 6.5 or more overall, with a minimum writing score of 6.5 and no other subsection below 6.0.

COURSE DURATION

Full time MSc: 12 months  |  Part-time MSc: 24 months

ASSESSMENT

A combination of written assignments (reports, essays, case studies), oral and poster presentations, videos, design portfolios and creative student-devised assessments.

FEES AND FUNDING

Fees information is available on the University of Warwick website warwick.ac.uk/pgfees

MSc HUMANITARIAN ENGINEERING

The MSc in Humanitarian Engineering spans a broad range of disciplines and is ideal for students who are looking to explore all the professional and disciplinary facets of humanitarian challenges.

CORE MODULES

- Humanitarian Engineering: Ethics, Theory and Practices
- Water and Environmental Management
- Disasters, Resilience and Urban Data
- Renewable Energy
- One Humanity, Shared Responsibility
- An Introduction to Global Health

OPTIONAL CORE MODULES

- Humanitarian Law

OPTIONAL MODULES

List A
- Sustainable Cities and Infrastructures for Emergencies
- Sustainable Operations and Humanitarian Supply Chains
- Mindful Project Management
- Industrial Ecology and Sustainable Engineering

List B
- Design Thinking for Social Impact
- Challenges to Global Food Security

STUDY PROGRAMME

- 2 optional modules (1 from List A and 1 from List B)
- Project

EXPLORE OUR MODULES ONLINE

FIND OUT MORE
MSc HUMANITARIAN ENGINEERING WITH SUSTAINABILITY

Students with a keen interest in Engineering might wish to pursue the MSc Humanitarian Engineering with Sustainability, which focuses on renewable energy, sustainable cities, and infrastructures for emergencies.

CORE MODULES
- Humanitarian Engineering: Ethics, Theory and Practices
- Water and Environmental Management
- Disasters, Resilience and Urban Data
- Renewable Energy
- One Humanity; Shared Responsibility
- An Introduction to Global Health

SPECIALIST CORE MODULES
- Sustainable Cities and Infrastructures for Emergencies
- Industrial Ecology and Sustainable Engineering

OPTIONAL MODULES
- Humanitarian Law
- Design Thinking for Social Impact
- Challenges to Global Food Security

STUDY PROGRAMME
- 6 core modules
- 2 specialist core modules
- 1 optional module
- Project

MSc HUMANITARIAN ENGINEERING WITH MANAGEMENT

Students who want to develop expertise in Management might prefer the MSc Humanitarian Engineering with Management, which offers opportunities to explore project management, communication and leadership, and management of sustainable supply chains.

CORE MODULES
- Humanitarian Engineering: Ethics, Theory and Practices
- Water and Environmental Management
- Disasters, Resilience and Urban Data
- Renewable Energy
- One Humanity; Shared Responsibility
- An Introduction to Global Health

SPECIALIST CORE MODULES
- Sustainable Operations and Humanitarian Supply Chains
- Mindful Project Management

OPTIONAL MODULES
- Humanitarian Law
- Design Thinking for Social Impact
- Challenges to Global Food Security

STUDY PROGRAMME
- 6 core modules
- 2 specialist core modules
- 1 optional module
- Research project
Please recycle or pass to a friend.

This course information was accurate at the time of design. Our courses and module content and schedule is continually reviewed and updated to reflect the latest research expertise at Warwick, so it is therefore very important that you check the website for the latest information before you apply and when you accept an offer.

Find out more at warwick.ac.uk/humeng

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Recognising commitment to advancing women’s careers in STEMM (Science, Technology, Engineering, Mathematics and Medicine) academia.