

### General entry requirements:

- Applicants must have a Bachelor's Degree with Honours CGPA of 3.00 and above or equivalent in the relevant field.
- Applicants with a Bachelor's Degree of CGPA between 2.70 to 2.99 may be considered if they meet ONE (1) the following criteria:
  - ✓ Universiti Malaya graduate;
  - ✓ Has at least one (1) year of working experience in related field;
  - ✓ Has produced publications in the related fields;
  - ✓ Scholarship recipient;
  - ✓ Government agency staff;
  - ✓ Pass the interview conducted by the Faculty; or
  - ✓ Pass the special assessment by the Faculty

### English Language Requirement:

MUET	IELTS (ACADEMIC)	TOEFL				PTE (ACADEMIC)
		PBT	iBT (Centre based)	CBT	Essential online	
B4.0	5.5	550	46	213	-	51

Cambridge English Qualifications & Tests						
B1 Preliminary, B2 First, C1 Advanced, C2 Proficiency	B2 BUSINESS VANTAGE, C1 BUSINESS HIGHER	LINGUASKILL ONLINE	OCCUPATIONAL ENGLISH TEST (OET) (Conventional /online)	Cambridge English:First (FCE)	Cambridge English:First CAE	Cambridge English:First (CPE)
160	160	160	200	Grade C ≥	Grade C ≥	Grade C ≥



### About the Department of STS

The Department of Science and Technology Studies (STS), founded in the year 1997 at the Faculty of Science, Universiti Malaya, offers academic and research programmes in the field of Science, Technology and Society (STS). The department provides a platform for studying the socioeconomic and cultural dimensions of Science and Technology by exploring how progress in scientific knowledge and technological advancement affects society and vice versa. Such efforts are reflected in the Department's unique interdisciplinary programmes that integrates insight from public policy, philosophy, ethics, religion, sociology, economics and sustainability within the field of STS.

### For further information, please contact:

Department of Science and Technology Studies,  
Faculty of Science,  
University of Malaya, 50603 Kuala Lumpur Malaysia.

Tel: +603-79674166; Fax: +603-79674396  
Email: [ketua\\_saintek@um.edu.my](mailto:ketua_saintek@um.edu.my)  
Website: <https://sts.um.edu.my>

# Masters by Coursework

## Department of Science and Technology Studies

### Faculty of Science, Universiti Malaya



*Humanising Science*





## Master of Sustainability Science

Sustainability Science is an emerging field that explores the interactions between natural and social systems proactively, and determine how those interactions translate to the pursuit of sustainability. This multidisciplinary field acknowledges the importance of harnessing Science, Technology and Innovation towards Sustainable Development in the post-modern society.

This Master's program aims to equip postgraduate students with the necessary knowledge, tools and skills in Sustainability Science through the lens of Science and Technology Studies. This includes courses in Public Policy and Management, Innovation and Entrepreneurship, Philosophy, Ethics, Sociology, Science Communication, and, Public Understanding of Science. This programme offers an overview of emerging issues and theoretical approaches to sustainability. This is in line with the growing academic and policymaking interests in the governance of sustainable innovations and socio-technical systems.

### The programme structure:

Students need to complete a total of 42 credit hours of courses. This includes 30 credits of core courses; and 12 credits of elective courses.

#### Core Courses (30 credits)

SQE7015 Research Methodology (3 credits)

SQE7002 Research Project (Pre-requisite: SQE7015) (12 credit)

SQE7016 Sociology of Science (3 credits)

SQE7017 Sustainability and Strategic Thinking (3 credits)

SQE7018 Policy and Management of Science for Sustainable Development (3 credits)

SQE7019 Ethics in Science and Technology (3 credits)

SQE7020 Philosophy of Science (3 credits)

#### Elective Courses (12 credits) - Choose courses from ONE module only

##### Module 1 Policy and Governance of Science

SQE7021 Science, Technology and Law (3 credits)

SQE7022 Evidence-based Policy Making (3 credits)

SQE7023 Innovation Strategy and Entrepreneurship (3 credits)

SQE7011 Science, Technology and Industrial Policy (3 credits)

##### Module 2 Sociology and Enculturation of Science

SQE7024 Media, Public Understanding and Science (3 credits)

SQE7025 Bioethics and Society (3 credits)

SQE7026 Science, Technology and Modernisation (3 credits)

SQE7027 Critical Thinking for Sustainability (3 credits)

### Intake Schedule & Period of Candidature

**Intakes** : First Semester (October); Second Semester (February)

**Period of Candidature** : (minimum) 1 year = 2 normal semesters & 1 special semester;  
(maximum) 4 years = 8 normal semesters

## Master of Science Communication and Public Engagement

As nations continue to address the gap in interest towards Science, Technology, Engineering and Mathematics (STEM), professionals with an advanced appreciation for the nuances in the interaction between scientific and non-scientific communities are expected to be highly sought after. Such professionals would fill roles as Public Relations Manager, Communications Director, Corporate Strategy Manager, Research Manager, or Science Journalist.

The Master of Science Communication and Public Engagement aims to bridge this gap by equipping graduates with skills and knowledge in communicating science to a broad range of audiences, as well as engaging with key stakeholders to mediate the interaction between technical experts, decision makers and consumers.

### The programme structure:

Students need to complete a total of 42 credit hours of courses. This includes 30 credits of core courses; and 12 credits of elective courses.

#### Core Courses (30 credits):

SQJ7001 Research Methodology (4 credits)

SQJ7002 Research Project (12 credits)

SQJ7003 Principles in Science Communication and Public Engagement (4 credits)

SQJ7004 Science and Media in Multicultural Society (4 credits)

SQJ7005 Science, Policy and Public Impact (3 credits)

SQJ7006 Big Data in Science Communication (3 credits)

#### Elective Courses (12 credits)

SQJ7007 Controversial Issues in Science and Technology (3 credits)

SQJ7008 Systems Thinking for Decision Making (3 credits)

SQJ7009 Social Innovations (3 credits)

SQJ7010 Digital Law and Communication Ethics (3 credits)

SQJ7011 Managing Science and Technology Events (3 credits)

SQJ7012 Science Diplomacy (3 credits)



To apply, please visit the University of Malaya e-Application page (MAYA Portal) at: <https://pgadmission.um.edu.my/>



More for information on study at UM, please visit: <https://study.um.edu.my/>