



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

Razak Faculty of Technology  
and Informatics



# Master in Science, Technology and Innovation Policy

MQA/SWA11095

**“BUILDING EXCELLENT NATION THROUGH SCIENCE, TECHNOLOGY  
AND INNOVATION POLICY”**

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Level 7, Menara Razak,  
Universiti Teknologi Malaysia,  
Kuala Lumpur, MALAYSIA



## PROGRAMME OVERVIEW

Master in Science, Technology and Innovation Policy programme is designed to prepare a new generation of researchers that intent to play managerial roles in the public, non-profit and private sectors at the national and international levels. It primarily aimed at equipping students with knowledge, tools and research skills related to science, technology and innovation (STI) policies formulation, implementation, evaluation and review. It takes into consideration the interactions amongst STI, government, laws, society and cultures, and how they influence policy in pursuit. The programme provides students with a range of opportunities to develop their academic and practical understanding of public policy through a broad set of research area.

## CAREER OPPORTUNITIES

- Policy Researcher/ Analyst
- Policy Reviewer/ Consultant/ Advisor
- Policy Advocator
- Legislative Assistant
- Policy Manager and Governance
- Academia
- Policy Trainer
- Public Relations

## ENTRY REQUIREMENTS

A Bachelor's Degree with good honours from Universiti Teknologi Malaysia or any other institution of higher learning recognised by the Senate;OR

A qualification equivalent to a Bachelor's Degree as per above area and experience in the relevant field recognised by the Senate.

Additional requirement for International Applicants  
An English Certificate of IELTS with the minimum band of 6.0 OR TOEFL with the minimum score of 550

## CORE COURSES

- Economics of Innovation
- Humanity, Ethics and Culture
- Law and STI Policy
- STI Foundation
- Government and STI Policy
- STI and International Trade
- STI Policy Development and Sustainability
- 1 University General Course

## ELECTIVE COURSES

### GREEN TECHNOLOGY

- Energy for Sustainable Future
- Biotechnonology and Industrial Needs Policies Nanotechnology & Society
- Transport System and Policies
- Land Use Planning

### DIGITAL TECHNOLOGY AND KNOWLEDGE SOCIETY

- Information Technology & Knowledge Management
- IT for Organisational Transformation
- Information Security Management
- IT Planning and Management
- Enterprise Information System

### MANAGING STI POLICY IMPLEMENTATION

- Industrial Organizational Behaviour
- Innovative Personality
- Strategic Management
- Institutions, Business and Policy
- Change Management and Counselling

### ENTREPRENEURSHIP AND INNOVATION

- Entrepreneurship Policy
- Intellectual Property Rights
- Technology & Innovation Management
- Policy Valuation

## MASTER PROJECT

- STI Policy Internship



COURSEWORK (45 CR)



Intake: February and September



Package 1: Weekdays Class  
1.5 years (3 semesters) - 4 years (8 semesters)  
Package 2: Weekdays Class  
2 years (4 semesters) - 4 years (8 semesters)



*"More critical in analysing..!"*

“

This programme helps me understand more about sustainable and effective policy-making. Working in the policy-related field, I have benefited from this programme by being more critical in analysing and interpreting policies. This programme is highly recommended to those who are interested in administrative and policy field. ”

### ROZAIDATUL RAHIZAH BINTI AZMAN

Administrative and Diplomatic Officer  
National Institute of Public Administration (INTAN)



*"Provided valuable insights..!"*

“

Training to tackle issues from a broader policy perspective has worked well to seek solutions to rising problems at the university where I currently work as a lecturer in Pakistan. I have not only gained for teaching my classes but have also been able to provide valuable insight into decision-making to digitise our education system. Going into any profession, the graduates are destined to benefit from the course in the most constructive manner. ”

### MAH GUL BIZANJO

Balochistan University of Engineering and Technology ,  
Pakistan