



# BACHELOR IN MATERIAL SCIENCE & TECHNOLOGY WITH HONOURS

SARJANA MUDA TEKNOLOGI  
SAINS BAHAN DENGAN KEPUJIAN



## Duration

3.5 year (including one semester industrial training)



## Campus

• Shah Alam, Selangor

## JOIN US!

Embark on an exciting journey with Universiti Teknologi MARA's B.Sc. (Hons.) in Materials Science & Technology, a cutting-edge interdisciplinary program designed to provide an in-depth understanding of the science, structure, and properties of diverse materials such as metals, alloys, polymers, ceramics, semiconductors, and composites. This dynamic program goes beyond theory, equipping students with the practical skills and knowledge necessary for the real-world applications required in the manufacturing sectors of electronics, polymers, metals, ceramics, and chemicals. Spanning three and a half enriching years, including a valuable semester dedicated to industrial training. The program is a TVET-based educational program that equipped you for the technological challenges and innovations of tomorrow.



## ENTRY REQUIREMENTS

- **Matriculation/Foundation Program:** Minimum CGPA of 2.00 and at least Grade C in any 2 of the subjects: Physics/Mathematics, Physics/Chemistry/Biology, Chemistry/Biology.
- **MUET:** Band 2
- **Diploma Graduates:** Pass Diploma in Science, Industrial Chemistry, Polymer Technology, Textile Technology, Wood Technology, Engineering (Chemical, Electrical, Civil, Mechanical) from UiTM with a minimum CGPA of 2.00 and MUET Band 2.

## CAREER PROSPECT



- **Quality Control & Production Engineer**
- **Instrumentation Technologist**
- **Test / Failure Analysis Engineer**
- **Design Engineer**
- **Process Engineer**
- **Researcher / Scientist**
- **R&D Executive**
- **Science Officer**
- **NDT specialist**
- **Industrial Consultant**
- **Lecturer**
- **Educator**
- **R&D Engineer**
- **Materials Scientist**



## COURSES

**Material science based:** Metal, Ceramics, Composite, Polymer, Semiconductors, Advanced Ultrasonic Testing, Advanced Materials Characterization, Green Materials & Sustainable Energy, Nanomaterials and Nanotechnology, Materials Fabrication, Processing & Testing.

**Technology & Management based:** Technical Drawing, CAD/CAM for Technology, Quality Management & Industrial Safety, Digital Marketing, Data Mining, Product Design & Development.

## ALUMNI



**Muhd Firdaus bin Musthafaruddin**

NDT Personnel  
KPG Synergy Sdn Bhd



**Ahmad Lotfi Zawawi**

Senior Engineer  
Proton Holdings



**Sabariah Abdul Rahim**

Overview Downstream Executive  
(Offshore) Petronas Sdn Bhd



**Ts. Jeffry Jamil**

NDT Technical Manager  
NDT & Advanced NDT Practitioner & Trainer



**Siti Khadijah Bt Badrul**

Business Development Executive  
Alters Aviation Sdn Bhd

*"This program aims to cultivate top-notch graduates, ready to excel across diverse industries."*

**MATERIALS SCIENCE & TECHNOLOGY LECTURERS**  
Faculty of Applied Sciences,  
Universiti Teknologi MARA

## Coordinator Program

Faculty of Applied Sciences, Universiti  
Teknologi MARA, 40450 Shah Alam, Selangor.

**03-5544 4574**



<https://fsg.uitm.edu.my>



Faculty of Applied Sciences, UiTM Shah Alam



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Faculty of Applied Sciences (FSG)



Fakulti Sains Gunaan UiTM Shah Alam