



## **Learning Objectives** At the end of presentation, participants will be able to: • Understand the Engineering Technology issues in Malaysia. Value the benefits of Engineering Technology to the country. • Appreciate initiatives in Engineering Technology. • Experience the challenges faced during the whole process.

• Visualize the Future Direction.









































MQF Levels	Skills (SAC – Technical & Non Technical)	Vocational and Technical (TAC – Poly, Community College, Dublin Accord)	Higher Learning Institutions (ETAC – Sydney Accord)	Designatio
8	NA	NA	Doctorate	Principal Technologis Executive
7	NA	NA	Masters	Senior Technologis Executive
6	NA	NA	Bachelors	Technologis Executive
5	Advanced Diploma	Advanced Diploma	Advanced Diploma	Senior Technician
4	Diploma	Diploma	Diploma	Technician
3	Skills Certificate 3	Vocational & Technical Certificate		Junior Technician
2	Skills Certificate 2			Senior Operator
1	Skills Certificate 1			Operator

















ESTIMA TECHN	TED BUDGET FOR EN NOLOGY PROGRAM 2013-2015	IGINEERING IN MTUN	
YEAR	TOTAL [RM MILLIONS]		
2013	272	45 PROGRAMS	
2014	285		
2015	365	~ 1000 STUDENTS	
TOTAL	922		









## Universit Malaysia PAHANG VISION **OBJECTIVE** To be a world-class Technological 1. To produce outstanding graduates by University. providing competitive engineering and technological programmes. 2. To spearhead cutting edge industry-**MISSION** relevant research initiatives. We provide high quality education, research and services in engineering and 3. To be a leading service provider to technology in a culture of creativity and industries and community based on our innovation. niche and areas of expertise. 4. To be recognized as an institution for excellent management and work culture.

Universiti Malaysia PAHANG	ENGINEERING TECHNOLOGY PROGRAMS
NORTHERN ILLINOIS UNIVERSITY	<ul> <li>2012</li> <li>MANUFCTURING ENGINEERING TECHNOLOGY</li> <li>ELECTRICAL ENGINEERING TECHNOLOGY</li> <li>MECHANICAL [energy &amp; environment] ENGINEERING TECHNOLOGY</li> </ul>
Institutio decineolaiochta Tamhlacht	2013 • PHARMACEUTICAL ENGINEERING TECHNOLOGY
UNIVERSITY or SOUTHERN QUEENSLAND	2013 • INFRASTRUCTURE MANAGEMENT ENGINEERING TECHNOLOGY









## College of Engineering and Engineering Technology

- The <u>undergraduate programs</u> in electrical engineering, industrial and systems engineering, and mechanical engineering are accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET).
- In the <u>technology program</u>, the emphases in electrical engineering technology and manufacturing engineering technology are accredited by the Technology Accreditation Commission of ABET, and the emphasis in industrial technology is accredited by the National Association of Industrial Technology



Universit Malaysia PAHANG















## Bachelor of Engineering Technology (Electrical) with Honors. Bachelor of Engineering Technology (Manufacturing) with Honors. Bachelor of Engineering Technology (Energy & Environmental) with Honors.





2 The Right Model				
COUNTRY	BOARD	SCOPE	ACCORD	
Malaysia	Board of Engineers Malaysia (BEM)	Engineering Programme	Washington	
UK	Engineering Council (EC)	Engineering, Technology, Construction & Build Environment	Washington Sydney Dublin	
Canada	Canadian Council of Technicians & Technologists (CCTT)	Bioscience, Building, Chemical, Civil, Electrical, Electronic, Forestry, Geomatics, Instrumentation, Industrial, Information Technology, Mechanical, Petroleum & Geosciences	Sydney Dublin	
*	Engineers Canada	All Engineering fields	Washington	
USA	Accreditation Board for Engineering and Technology (ABET)	Education in Applied Science, Computing, Engineering and Technology	Washington Sydney	
Australia	Institution of Engineers Australia (IEA)	All Engineering fields	Sydney Washington	
Ireland	Engineers Ireland	All Engineering fields and ICT	Washington Sydney Dublin	











