



PROGRAMME SPECIFICATION

Programme Name	Technology Management	
Award	Bachelor in Technology Management with Honours	
Programme Duration	Minimum	Maximum
	8 semester	12 semester

Entry Requirements

General university entry requirements:

1. All candidates should have basic requirements:
 - i. Pass in Sijil Pelajaran Malaysia (SPM) or equivalent;
 - ii. Credit in Bahasa Melayu / Bahasa Malaysia or Credit in Bahasa Melayu / Bahasa Malaysia July Paper;
 - iii. Pass in English Language at SPM level or Obtained minimum Band 1 in Malaysian University English Test (MUET).
 - iv. Upon graduation students should obtain minimum Band 2 in MUET.
 - v. Candidates are not colour blind or handicap that prevent practical work.

Entry Programme requirements for;

1. Matriculation Graduate
 - i. Pass in Matrikulasi KPM/Asasi Sains UM/ Asasi UiTM with minimum CGPA 2.00;

Special Programme Requirements

- i. Obtain minimum CGPA 2.00 in either one (1) of the following programmes;
 - a. Accounting
 - b. Physical Science
 - c. Biological Science

2. Sijil Tinggi Pelajaran Malaysia (STPM) Qualification

- i. Pass in Peperiksaan Sijil Tinggi Persekolahan Malaysia (STPM) with minimum CGPA 2.00;

Special Programme Requirements

- i. Obtained minimum NGMP 2.00 in either one (1) of the following subjects;
 - a. Grade C (NGMP 2.00) General Paper;
 - b. **Grade C (NGMP 2.00) in two (2) other subjects.**
- ii. Obtained minimum Grade 6C at SPM level in Additional Mathematics subject.

3. Diploma Graduates or equivalent

- i. Obtained Diploma or other Equivalent Qualifications recognized by the Ministry of Higher Education and approved by the University Senate;

Special Programme Requirements

- i. Obtained Diploma in related fields or other Equivalent Qualifications with minimum CPA 2.50 from IPTA/Polytechnics or other Equivalent Qualifications recognized by the Ministry of Higher Education and University Senate;
- ii. Diploma in related fields for Bachelor in Technology Management with Honours include;
 - a. Diploma in Technology Management

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- b. Diploma in Business Management
- c. Diploma in Accounting
- d. Diploma in Finance
- e. Diploma in Banking
- f. Diploma in Investment
- g. Diploma in Agricultural Business

Notes: Diploma graduates to be considered for credit exemption based on areas and subjects taken.

Programme Educational Objectives (PEO)

The educational objectives of this programme are to develop graduates who are:

- i) Capable of integrating the disciplines of management, technology, mathematics and sciences in the business environment.
- ii) Creative, innovative and competent to fulfill the nation's developmental and technological needs.
- iii) Capable of communicating and managing information related to their fields.
- iv) Ethical and responsible professionally in line with the society and national needs.

Programme Learning Outcomes (PLO)

- 1 To possess and apply business principles and technology management in the industrial environment.
- 2 To possess technical knowledge and analytical skills in technology management.
- 3 To identify and solve management problems creatively, innovatively and effectively in the field of technology management.
- 4 To display outstanding attitude and behavior that contribute to effective teamwork at workplace.
- 5 To communicate effectively in industrial environment.
- 6 To inculcate entrepreneurship culture for career development.
- 7 To display excellent attitude, attributes and responsibility.
- 8 To be able to work in a team as an effective member or leader to achieve goals.
- 9 To identify the individual needs and involvement in long life learning and managing information professionally.

Programme Structure

Code	Subject	Credit	Lecture	Tutorial	Practical	Total Hours
BSM 1813	Mathematics for Management	3	3	1	0	4
UMA 1132/1142	Islamic Studies/ Moral Studies	2	2	0	0	2
UMB 1042	Technical Writing	2	2	1	0	3
UQ 1**1	Co-curriculum I	1	0	0	3	3
BSM 1823	Statistics for Management	3	3	1	0	4
UMB 1052	Effective Communication	2	2	1	0	3

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UMA 1162	TITAS	2	2	0	0	2
UQ 1**1	Co-curriculum II	1	0	0	3	3
UMS 1122	Ethnics Relation	2	2	0	0	2
UMC 1022	Creativity and Innovation	2	2	1	0	3
UMS 1113	Nationhood and Malaysia's Latest Development	3	3	0	0	3
UM* 1312	Foreign Language	2	2	1	0	3
BP41812	Industrial Training	12	0	0	0	4
BPA 1023	Principles of Management	3	3	0	0	3
BPB 3203	Entrepreneurship	3	3	1	0	4
BPA 1053	Principles of Marketing	3	3	1	0	4
BPA 1033	Principles of Accounting	3	3	1	0	4
BPA 1013	Economics	3	3	1	0	4
BPA 2043	Human Resource Management	3	3	1	0	4
BPB 2203	Finance and Investment Management	3	3	1	0	4
BPB 3113	Operation and Manufacturing Management	3	3	1	0	4
BPB 2053	Organizational Behavior	3	3	1	0	4
BPB 2083	Total Quality Management	3	2	0	3	5
BPB 3233	Supply Chain Management	3	3	1	0	4
BPA 3093	Project Management	3	2	0	3	5
BPA 3123	Strategic Management	3	3	1	0	4
BPB 2293	Business Laws	3	3	1	0	4
BPF 3143	International Business	3	3	1	0	4
BPA 2083	Technology Management	3	3	1	0	4
BPA 2073	Management Information System	3	2	0	3	5
BPB 1192	Computer Applications in Business	2	2	0	3	3
BPB 2043	Management Science I	3	3	0	3	6
BPB 2063	Management Science II	3	3	1	0	4
BPB 2213	Technology and Culture	3	3	1	0	4
BPB 2223	Manufacturing Technology	3	2	0	3	5
BPB 3243	Research Methodology	3	2	0	3	5
BPB 3253	Technology Assessment	3	3	0	0	3
BPB 3102	Final Project I	2	0	0	2	2
BPB 4294	Final Project II	4	0	0	4	4
BPB 3263	Innovation and Commercialization Management	3	3	1	0	4

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BPB 4303	Technology Strategies	3	3	1	0	4
BPB 4273	Technology Transfer	3	3	1	0	4
BPB 4282	Technology Policies and Intellectual Properties	2	2	0	0	2

Subject Learning Objectives Matrics

No.	Code	Subjects	LO 1		LO 2		LO 3		LO 4		LO 5		LO 6		LO 7		LO 8		LO 9	
			1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
1	BSM 1813	Mathematics for Management																		
2	BPA 1013	Economics	X							X										
3	BPA 2043	Human Resource Management			X			X	X											
4	BSM 1823	Statistics for Management																		
5	BP41812	Industrial Training	X											X	X					
6	BPA 1023	Principles of Management	X			X										X				
7	BPB 3203	Entrepreneurship	X									X						X		
8	BPA 1053	Principles of Marketing	X							X						X				
9	BPA 1033	Principles of Accounting			X	X												X		
10	BPB 2203	Finance and Investment Management			X												X		X	
11	BPB 3113	Operation and Manufacturing Management			X	X														
12	BPB 2053	Organizational Behavior			X			X									X			
13	BPB 2083	Total Quality Management			X	X											X			
14	BPB 3233	Supply Chain Management	X			X														
15	BPA 3093	Project Management	X			X											X			
16	BPA 3123	Strategic Management	X			X	X													
17	BPB 2293	Business Laws	X											X					X	
18	BPF 3143	International Business			X		X	X												
19	BPA 2083	Technology Management	X			X													X	

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20	BPA 2073	Management Information System			X				X	X									
21	BPB 3263	Innovation and Commercialization			X		X				X								
22	BPB 4303	Technology Strategies	X				X											X	
23	BPB 4273	Technology Transfer	X				X											X	
24	BPB 4282	Technology Policies and Intellectual Properties	X											X					
25	BPB 3253	Technology Assessment	X		X		X												
26	BPB 3102	Final Project I	X		X					X									
27	BPB 4294	Final Project II	X		X					X									
28	BPB 2213	Technology and Culture	X											X					X
29	BPB 2223	Manufacturing Technologies			X		X											X	
30	BPB 3243	Research Methodology			X		X												X
31	BPB 1192	Computer Applications in Business			X					X								X	
32	BPB 2043	Management Science I			X		X												
33	BPB 2063	Management Science II			X		X												

Delivery Method

This programme will be delivered in various methods to fulfil the subject learning outcomes and in general create opportunity for pupils-centred learning. The method are as such:-

1. Lecture
2. Tutorial
3. Practical
4. Seminar
5. Technical Visit
6. Field Work
7. Problem Based-Learning
8. Project Based-Learning

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Evaluation Method

1. Examination
2. Test and Quizes
3. Assignments
4. Presentation
5. Practical
6. Laboratory Report
7. Group Dynamic Skills and Observation
8. Log Book
9. Portfolio
10. Industrial Assessment

Programme Award Requirements:

1. Students applications for awards should be approve by faculty;
2. Pass in all compulsory programme subjects;
3. Obtain total credit earns with pass;
4. Credit in Bahasa Melayu at Sijil Pelajaran Malaysia;
5. Obtain MUET Band 2 and above;
6. Application should be made using “Borang Permohonan Penganugerahan Ijazah” within the duration determine by the university;
7. Obtain awards approval by the Senat.

Career Prospect

Graduates have a vast opportunities in the field of business administration as an executive administrative and management in most government sector. The career to be explore by our graduates are as such asistance manager, asistance project manager, sales and marketing executive, human resource officer, marketing officer, production and operation officer, quality control officer and entrepreneur.

Related Information

1. Akademic Sources:
 - i. Lecturers teaching university compulsory supporting subjects are staff from “Pusat Pengajian Sains (PPS), Pusat Pengajian Komunikasi dan Kemanusiaan (PPKK), dan Pusat Kokurikulum, Sukan dan teaching core ebudayaan (PKSK)”, Lecturer teaching core and major subjects are from Faculty of Technology Management academic staffs.
 - ii. Teaching and learning concepts emphasized hands-on approach. For example, in Manufacturing Technology subject, students are taught manufacturing theories and skills by doing technical works in the lab.
 - iii. Training and discussion are also conducted through practical in lab. Learning in groups,

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interviews with industry personnels, field work and technical study visit.

2. Education Concept:
This program is based on practice-oriented and Outcome Based Education (OBE) concepts where students undergo theoretical and practical training in the university for six semesters and in industry for three months.
3. Fee
The fee for this program is RM 510.00 (Once time fee for the Whole Program Duration) and RM 1,908.00 (Recurring Fee for Every Semester).
4. Faculty's PROFORMA can be accessed at the university's website, www.uthm.edu.my

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Tarikh:

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Nota: Maklumat adalah benar pada waktu percentakan dan boleh di ubah pada bila-bila masa