

**BACHELOR OF TECHNOLOGY WITH EDUCATION (ELECTRICAL AND ELECTRONICS
 ENGINEERING) WITH HONOURS
 PROGRAMME STRUCTURE (SHPEH)
 INTAKE 2024/2025**

**YEAR 1
 Semester 1**

ULRS1182	Appreciation of Ethics and Civilizations	2
UHLB1112	English Communication Skills (MUET 1-3)	HL
SHPP1012	Educational Psychology	2
SHPP1032	Telecommunication and Computer Network	2
SHPE1013	Engineering Drawing	3
SHPE1033	Safety and Workshop Management	3
SSCM1803	Engineering Mathematics	3
TOTAL		15

Semester 2

ULRS1032	Integrity and Anti-Corruption Course	2
xxxx	Free Elective	3
SHPP2002	Fundamental of Pedagogy	2
SHPP1002	Educational Philosophy	2
SHPP1042	Educational Technology	2
SHPP1022	Teacher Professionalism	2
SHPE1332	Basic Electronics Technology	2
SEEU1003	Basic of Electrical Engineering	3
TOTAL		18

**YEAR 2
 Semester 1**

UHLB2122	Professional Communication Skills 1	2
ULRS1022	Philosophy and Current Issues	2
SHPE2022	Fundamental of TVE	2
SHPE2112	Computer Assisted Engineering Drawing	2
SEEU2123	Measurement and Instrumentation	3
Program Elective Course (Choose 6 credits)		6
TOTAL		17

Semester 2

ULRF2XX2	Service Learning and Community Engagement	2
SHPP2882	Co-Curriculum Management, Sports and Games	2
SHPP2032	Measurement and Evaluation in Education	2
SHPE2012	Teaching Methods in TVE	2
Program Elective Course (Choose 5 credits)		5
Open Elective Course (Choose 4 credits)		4
TOTAL		17

**BACHELOR OF TECHNOLOGY WITH EDUCATION (ELECTRICAL AND ELECTRONICS
 ENGINEERING) WITH HONOURS
 PROGRAMME STRUCTURE (SHPEH)
 INTAKE 2024/2025**

YEAR 3
Semester 1

SHPP3042	Research Methods in Education	2
SHPP4722	Online Learning & Teaching Method	2
SHPA2001	Microteaching	1
SHPE3022	Industry and TVE	2
ULRS3032	Entrepreneurship and Innovation	2
UHLX1112	Foreign Language Electives	2
UHLB3132	Professional Communication Skills 2	2
Program Elective Course (Choose 2 credits)		2
Open Elective Course (Choose 2 credits)		2
TOTAL		17

Semester 2

SHPA3008	Teaching Practice	8
SHPA 3113	Industrial Training	3
TOTAL		11

YEAR 4
Semester 1

SHPP4062	Educational Sociology	2
SHPP4502	Guidance and Counselling	2
SHPU4902	Undergraduate Project I	2
SHPL4403	Invention	3
SHPE 4173	Assessment and Measurement Based on Job Competency	3
Program Elective Course (Choose 3credits)		3
Open Elective Course (Choose 2 credits)		2
TOTAL		17

Semester 2

SHPP4043	Teacher Development	3
SHPU4904	Undergraduate Project II	4
Program Elective Course (Choose 5 credits)		5
Open Elective Course (Choose 2 credits)		2
TOTAL		14

Total Credit : 126
Credit Count : 123

**BACHELOR OF TECHNOLOGY WITH EDUCATION (ELECTRICAL AND ELECTRONICS
ENGINEERING) WITH HONOURS
PROGRAMME STRUCTURE (SHPEH)
INTAKE 2024/2025**

PROGRAM ELECTIVE COURSE- CHOOSE 21 KREDIT

1	SHPE 2202	Domestic Wiring Practice
2	SHPE 3242	Geometric Electric and Electronic Drawing
3	SHPE 2352	Programmable Logic Controller Laboratory
4	SEEU2033	Circuit Theory
5	SEEU 3003	Electronics
6	SHPE 3512	Basic Robotics and Mechatronics
7	SEEU 1212	Digital Logic
8	SHPE 2302	Application of Electrical and Electronics Technology
9	SEEU 3053	Electrical Technology
10	SHPE2622	Industrial Design

OPEN ELECTIVE COURSE- CHOOSE 10 KREDIT

1	SHPE 2422	Industrial Wiring Practices
2	SHPE2542	Microcontroller Programming and Interfacing
3	SHPE 3272	Electric Motor Control
4	SHPE 3082	Electronic Circuit Design
5	SHPE 2532	Advanced of Industrial Wiring Practices
6	SHPE 3342	Unmanned Aerial Vehicle Technology Laboratory
7	SHPE4312	Renewable Energy Technology and Installation
8	SHPE 4512	Communication Technology Laboratory
9	SHPE 4112	Industrial Switchboard and Low Voltage Practice
10	SHPE 4212	Electrical Maintenance and Repairs
11	SHPE 4612	Basic of Pneumatic and Hydraulic
12	SHPE 4702	Radio & Television Maintenance and Repair
13	SHPV5103	Philosophy and Future of TVE
14	SHPV5023	Curriculum Design in TVE
15	SHPV5033	Program Evaluation in TVE

Prepared By;



Assoc Prof. Dr Hanifah binti Jambari
Program Coordinator for SHPEH
Date : 3 September 2024

Approved By;



Assoc. Prof. Ts. Dr. Aede Hatib bin Musta'amal@Jamal
Director Technical and Engineering Education