

PROGRAMME STRUCTURE

Sarjana Muda Teknologi dengan Pendidikan (Kejuruteraan Elektrik dan Elektronik) dengan
Kepujian.

Bachelor of Technology with Education (Electrical and Electronics Engineering) with
Honours

(SHPEH)

INTAKE OCTOBER 2024/2025-1

YEAR 1

Semester I			Semester II		
Kod	Kursus	Kredit	Kod	Kursus	Kredit
ULRS1182	Appreciation of Ethics and Civilizations	2	ULRS 1032	Integrity and Anti-Corruption Course	2
UHLB1112	English Communication Skills (MUET1-3)	HL	xxxx	Free Elective	3
SHPP1012	Educational Psychology	2	SHPP 2002	Fundamental of Pedagogy	2
SHPP 1032	Telecommunication and Computer Network	2	SHPP 1002	Educational Philosophy	2
SHPE1013	Engineering Drawing	3	SHPP1042	Educational Technology	2
SHPE 1033	Safety and Workshop Management	3	SHPP 1022	Teacher Professionalism	2
SSCM1803	Engineering Mathematics	3	SHPE1332	Basic Electronics Technology	2
			SEEU1003	Basic of Electrical Engineering	3
TOTAL		15	TOTAL		18

YEAR 2

Semester I			Semester II		
Kod	Kursus	Kredit	Kod	Kursus	Kredit
UHLB2122	Professional Communication Skills 1	2	ULRF2XX2	Service Learning and Community Engagement	2
ULRS1022	Philosophy and Current Issues	2	SHPP 2882	Co-Curriculum Management, Sports and Games	2
SHPE 2022	Fundamental of TVE	2	SHPP 2032	Measurement and Evaluation in Education	2
SHPE 2112	Computer Assisted Engineering Drawing	2	SHPE 2012	Teaching Methods in TVE	2

SEEU 2123	Measurement and Instrumentation	3			
Program Elective Course (Choose 6 credits)		6	Program Elective Course (Choose 5 credits)		5
			Open Elective Course (Choose 4 credits)		4
TOTAL		17	TOTAL		17

YEAR 3

Semester I			Semester II		
Kod	Kursus	Kredit	Kod	Kursus	Kredit
SHPP 3042	Research Methods in Education	2	SHPA 3008	Teaching Practice	8
SHPP 4722	Online Learning and Teaching Method	2	SHPA 3113	Industrial Training	3
SHPA 2001	Microteaching	1			
SHPE 3022	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	TOTAL		11

YEAR 4

Semester I			Semester II		
Kod	Kursus	Kredit	Kod	Kursus	Kredit
SHPP 4062	Educational Sociology	2	SHPP 4043	Teacher Development	3
SHPP 4502	Guidance and Counselling	2	SHPU 4904	Undergraduate Project II	4
SHPU 4902	Undergraduate Project I	2	Program Elective Course (Choose 5 credits)		5
SHPL 4403	Invention	3	Open Elective Course (Choose 2 credits)		2
SHPE 4173	Assessment and Measurement Based on Job Competency	3			
Program Elective Course (Choose 3 credits)		3			

Open Elective Course (Choose 2 credits)	2			
TOTAL	17	TOTAL		14
	66			60
TOTAL CREDIT	126			
CREDIT COUNT	123			

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 4512	Communication Technology Laboratory
7	SHPE 4112	Industrial Switchboard and Low Voltage Practice
8	SHPE 4702	Radio & Television Maintenance and Repair
9	SHPE4312	Renewable Energy Technology and Installation
10	SHPE 3342	Unmanned Aerial Vehicle Technology Laboratory
11	SHPE 4612	Basic of Pneumatic and Hydraulic
12	SHPE 4212	Electrical Maintenance and Repairs
13	SHPV5103	Philosophy and Future of TVE

14	SHPV5023	Curriculum Design in TVE
15	SHPV5033	Program Evaluation in TVE

Checked by:



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Associate Prof. Dr. Hanifah binti Jambari
Program Coordinator for SHPEH
School of Education, FSSH
Date : 29 Ogos 2023

Approved by:

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