NAME OF HEP: UNIVERSITI TUNKU ABDUL RAHMAN

NAME OF ACCREDITED PORGRAMME: BACHELOR OF COMPUTER SCIENCE (HONOURS)

NO.	NAME OF MICRO-CREDENTIAL	CREDIT VALUE	ASSESSMENT		MODE OF DELIVERY	REQUIREMENTS TO ENROL					
			CONTINUOUS ASSESSMENT	FINAL ASSESSMENT		AGE	EXPERIENCE	LANGUAGE PROFICIENCY	NUMERACY PROFICIENCY	PREREQUISITES	OTHERS
1	UFBB1011 MICRO-CREDENTIAL: SUN ZI'S ART OF WAR AND BUSINESS STRATEGIES	1	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
2	UFCB1004 MICRO-CREDENTIAL: PROGRAMMING CONCEPTS AND PRACTICES	4	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
3	UFCB1013 MICRO-CREDENTIAL: ANALYSIS AND DESIGN OF INFORMATION SYSTEMS	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
4	UFCB1143 MICRO-CREDENTIAL: PROBABILITY AND STATISTICS FOR COMPUTING	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
5	UFCB1153 MICRO-CREDENTIAL: INTRODUCTION TO CALCULUS AND APPLICATIONS	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
6	UFCE1004 MICRO-CREDENTIAL: DATA COMMUNICATIONS AND NETWORKING	4	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
7	MFPB3113 MICRO-CREDENTIAL: HUBUNGAN ETNIK	3	70%	30%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
8	MFPB3173 MICRO-CREDENTIAL: MALAYSIAN STUDIES 3	3	70%	30%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
9	UFCB1024 MICRO-CREDENTIAL: DATA STRUCTURE AND ALGORITHMIC PROBLEM SOLVING	4	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB1004 MICRO-CREDENTIAL: PROGRAMMING CONCEPTS AND PRACTICES	No

No	Micro-Credential	Credit			Mode	Age		English Proficiency	Math Proficiency		
10	UFCB1133 MICRO-CREDENTIAL: INTRODUCTION O COMPUTER ORGANISATION AND ARCHITECTURE	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
11	UFCB1203 MICRO-CREDENTIAL: DATABASE DEVELOPMENT AND APPLICATIONS	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
12	UFCB1353 MICRO-CREDENTIAL: BASIC ALGEBRA	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
13	UFCB1363 MICRO-CREDENTIAL: DISCRETE MATHEMATICS	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
14	MFPB32143 MICRO-CREDENTIAL: ENGLISH FOR INFORMATION TECHNOLOGY	3	60%	40%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
15	UFPB3123 MICRO-CREDENTIAL: TAMADUN ISLAM DAN TAMADUN ASIA (TITAS)	3	70%	30%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
16	UFPB3143 MICRO-CREDENTIAL: BAHASA MELAYU KOMUNIKASI 2	3	60%	40%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
17	UFCB1223 MICRO-CREDENTIAL: \CYBERSECURITY	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
18	MFPB34012 MICRO-CREDENTIAL: SOCIAL ENTREPRENEURSHIP PROJECT	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
19	MFPB34022 MICRO-CREDENTIAL: ARTS AND CULTURAL PERFORMANCE	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
20	MFPB34032 MICRO-CREDENTIAL: COMMUNITY PROJECT	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No

No	Course	Credit			Mode	Age		Requirement			
21	MFPB34042 MICRO-CREDENTIAL: LANGUAGE, CULTURE AND SOCIAL STUDY ABROAD	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
22	MFPB34052 MICRO-CREDENTIAL: TEAM WORK AND COLLABORATIVE PROJECT	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
23	MFPB34062 MICRO-CREDENTIAL: STUDY SOFT SKILLS AND/OR LIFE SKILLS ABROAD	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
24	MFPB34072 MICRO-CREDENTIAL: ART, CRAFT, AND DESIGN	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
25	MFPB34082 MICRO-CREDENTIAL: ORAL COMMUNICATION	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
26	MFPB34092 MICRO-CREDENTIAL: MUSIC PERFORMANCE	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
27	MFPB34102 MICRO-CREDENTIAL: MANAGING PERSONAL FINANCE	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
28	MFPB34112 MICRO-CREDENTIAL: WORK ETHICS AND EQ	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
29	MFPB34132 MICRO-CREDENTIAL: MANAGEMENT OF SPORTS ACTIVITY	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
30	MFPB34142 MICRO-CREDENTIAL: CRITICAL THINKING, CREATIVE THINKING AND PROBLEM SOLVING	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
31	MFPB34152 MICRO-CREDENTIAL: LEADERSHIP AND TEAMBUILDING	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
32	MFPB34162 MICRO-CREDENTIAL: BUSINESS PLAN WRITING & PREPARATION	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No

33	UFCB2003 MICRO-CREDENTIAL: OBJECT-ORIENTED SYSTEMS ANALYSIS AND DESIGN	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB1013 MICRO-CREDENTIAL: ANALYSIS AND DESIGN OF INFORMATION SYSTEMS	No
34	UFCB2044 MICRO-CREDENTIAL: OBJECT-ORIENTED PROGRAMMING PRACTICES	4	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB1004 MICRO-CREDENTIAL: PROGRAMMING CONCEPTS AND PRACTICES	No
35	UFCB2103 MICRO-CREDENTIAL: OPERATING SYSTEMS	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
36	UFCB2303 MICRO-CREDENTIAL: DATABASE TECHNOLOGY	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB1203 MICRO-CREDENTIAL: DATABASE DEVELOPMENT AND APPLICATIONS	No
37	UFCB2243 MICRO-CREDENTIAL: INTERNETWORKING PRINCIPLES AND PRACTICES	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCE1004 MICRO-CREDENTIAL: DATA COMMUNICATIONS AND NETWORKING	No
38	UFCB2263 MICRO-CREDENTIAL: ALGORITHMS ANALYSIS	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB1024 MICRO-CREDENTIAL: DATA STRUCTURE AND ALGORITHMIC PROBLEM SOLVING	No
39	UFCB2063 MICRO-CREDENTIAL: ARTIFICIAL INTELLIGENCE TECHNIQUES	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB1024 MICRO-CREDENTIAL: DATA STRUCTURE AND ALGORITHMIC PROBLEM SOLVING	No
40	UFCB2213 MICRO-CREDENTIAL: SOFTWARE ENGINEERING PRINCIPLES	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
41	UFCB2323 MICRO-CREDENTIAL: FRONT-END WEB DEVELOPMENT	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB1004 MICRO-CREDENTIAL: PROGRAMMING CONCEPTS AND PRACTICES / Or UFCB1104 MICRO-CREDENTIAL: APPLICATION PROGRAMMING	No

42	UFCB2502 MICRO-CREDENTIAL: INTRODUCTION TO INVENTIVE PROBLEM SOLVING AND PROPOSAL WRITING	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
43	UFCB3053 MICRO-CREDENTIAL: IMAGE PROCESSING AND PATTERN RECOGNITION	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB2063 MICRO-CREDENTIAL: ARTIFICIAL INTELLIGENCE TECHNIQUES	No
44	UFCB1213 MICRO-CREDENTIAL: OF DIGITAL MEDIA TECHNOLOGY	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
45	UFCB2123 MICRO-CREDENTIAL: USER EXPERIENCE DESIGN	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
46	UFCB3023 MICRO-CREDENTIAL: DIGITAL ENTREPRENEURSHIP	3	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	None	No
47	UFCB3073 MICRO-CREDENTIAL: PARALLEL PROGRAMMING	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB1024 MICRO-CREDENTIAL: DATA STRUCTURE AND ALGORITHMIC PROBLEM SOLVING	No
48	UFCB3113 MICRO-CREDENTIAL: DISTRIBUTED COMPUTER SYSTEMS	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB2103 MICRO-CREDENTIAL: OPERATING SYSTEMS	No
49	UFCB3243 MICRO-CREDENTIAL: SERVER-SIDE WEB APPLICATIONS DEVELOPMENT	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB2323 MICRO-CREDENTIAL: FRONT-END WEB DEVELOPMENT	No
50	UFCB2153 MICRO-CREDENTIAL: NUMERICAL METHODS	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB1353 MICRO-CREDENTIAL: BASIC ALGEBRA UFCB2203 MICRO-CREDENTIAL: ADVANCED CALCULUS AND APPLICATIONS	No

51	UFCB2203 MICRO-CREDENTIAL: ADVANCED CALCULUS AND APPLICATIONS	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB1153 MICRO-CREDENTIAL: INTRODUCTION TO CALCULUS AND APPLICATIONS	No
52	UFCB2233 MICRO-CREDENTIAL: COMPUTER SYSTEM AND NETWORK SECURITY	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB1223 MICRO-CREDENTIAL: CYBERSECURITY	No
53	UFCB1043 MICRO-CREDENTIAL: INTRODUCTION TO OPERATIONS RESEARCH	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Knowledge of numbers and calculations	None	No
54	UFAB1083 MICRO-CREDENTIAL: BASIC PROFESSIONAL WRITING	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
55	UFAB1053 MICRO-CREDENTIAL: CRITICAL READING AND THINKING	3	60%	40%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
56	UFAB1043 MICRO-CREDENTIAL: INTERPERSONAL COMMUNICATION	3	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
57	UFCE3073 MICRO-CREDENTIAL: DATA SCIENCE	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB1143 MICRO-CREDENTIAL: PROBABILITY AND STATISTICS FOR COMPUTING / Or UFCE1133 MICRO-CREDENTIAL: STATISTICAL METHODS	No
58	UFCB2073 MICRO-CREDENTIAL: REQUIREMENTS ENGINEERING	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB2003 MICRO-CREDENTIAL: OBJECT-ORIENTED SYSTEMS ANALYSIS AND DESIGN	No
59	UFCB3223 MICRO-CREDENTIAL: MOBILE APPLICATIONS DEVELOPMENT	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB2044 MICRO-CREDENTIAL: OBJECT-ORIENTED PROGRAMMING PRACTICES	No
60	MFPB32013 MICRO-CREDENTIAL: BAHASA KEBANGSAAN A	3	70%	30%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No

61	UFAE1003 MICRO-CREDENTIAL: INTRODUCTION TO GERMAN LANGUAGE	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
62	UFAH1003 MICRO-CREDENTIAL: INTRODUCTION TO FRENCH	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
63	UFAB2013 MICRO-CREDENTIAL: INTRODUCTION TO JAPANESE	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
64	UFAK1003 MICRO-CREDENTIAL: INTRODUCTION TO TAMIL LANGUAGE	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
65	UFAN1003 MICRO-CREDENTIAL: INTRODUCTION TO THAI LANGUAGE	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
66	UFJB1073 MICRO-CREDENTIAL: COMMUNICATIVE TAMIL FOR HEALTH SCIENCES	3	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
67	UFJB1093 MICRO-CREDENTIAL: INTRODUCTION TO KOREAN	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No
68	UFCB3054 MICRO-CREDENTIAL: GRAPHICS PROGRAMMING FOR MOBILE PLATFORM	4	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB2044 MICRO-CREDENTIAL: OBJECT-ORIENTED PROGRAMMING PRACTICES	No
69	UFCB3064 MICRO-CREDENTIAL: SOFTWARE TESTING	4	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB2213 MICRO-CREDENTIAL: SOFTWARE ENGINEERING PRINCIPLES	No
70	UFCB3074 MICRO-CREDENTIAL: DEEP LEARNING FOR DATA SCIENCE	4	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs	UFCB2063 MICRO-CREDENTIAL: ARTIFICIAL INTELLIGENCE TECHNIQUES	No
71	MFPB33013 MICRO-CREDENTIAL: MALAYSIAN ECONOMY	3	70%	30%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	No

| 72 | UFCE3053 MICRO-CREDENTIAL: INFORMATION TECHNOLOGY PROFESSIONAL ETHICS | 3 | 40% | 60% | CONVENTIONAL (Blended mode) | 18 Years old and above | None | Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening | Proficiency Level - Intermediate Able to work with mathematical relationships, logic, and algebra, etc; able to perform basic analysis of data and statistics in texts, tables and graphs | None | No |