

Malaysia-Japan International Institute of Technology (MJIT)

马来西亚-日本国际技术学院

Bachelor of Electronic System Engineering

电子系统工程学士

Year 1 第一年					
Year 1: SEMESTER 1 第一学期			Year 1: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SMJE1013	工程编程 PROGRAMMING FOR ENGINEER	3	SMJE 1043	测量和仪器 MEASUREMENT AND INSTRUMENTATION	3
SMJE1023	电路基础 FUNDAMENTAL OF ELECTRICAL CIRCUITS	3	SMJE 1103	电力系统 ELECTRICAL POWER SYSTEM	3
SMJE 1032	电子系统工程导论 INTRODUCTION TO ELECTRONIC SYSTEM ENGINEERING	2	SMJE 2062	电子工程实验室1 ELECTRONIC ENGINEERING LABORATORY 1	2
SMJE 1113	数字电子产品 DIGITAL ELECTRONICS	3	SMJM 1023	工程数学II ENGINEERING MATHEMATICS II	3
SMJM 1013	工程数学 1 ENGINEERING MATHEMATICS I	3	UHLJ 11122	日语交流 I JAPANESE FOR COMMUNICATION I	2
UHLB1122	英语沟通技巧 (适用于 MUET 3.5 及以下) ENGLISH COMMUNICATION SKILLS (for MUET 3.5 and below)	HW	UMJT 2142	职业道德与安全 (Ningen-ryoku PROFESSIONAL ETHICS & SAFETY (NINGEN-RYOKU)	2
ULRS 1182	对道德的欣赏和文明 ** (国际学生选项1, 仅选择1。 本地学生必修 APPRECIATION OF ETHICS AND CIVILISATIONS **(Option 1 for international students, choose 1 only. Compulsory for local students	2	ULRS 1032	诚信与反腐败 INTEGRITY AND ANTI CORRUPTION	2
UHLM 1012	马来语沟通 2 * (针对国际学生) MALAY LANGUAGE FOR COMMUNICATION 2 *(for international students)	2			

Year 2 第二学年					
Year 2: SEMESTER 1 第一学期			Year 2: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SMJE 2083	电子电路 ELECTRONIC CIRCUITS	3	SMJE 2053	电路和信号 CIRCUITS AND SIGNALS	3
SMJE 2173	数字系统设计 DIGITAL SYSTEM DESIGN	3	SMJE 2073	电磁学 ELECTROMAGNETICS	3
SMJM 2033	工程数学三 ENGINEERING MATHEMATICS III	3	SMJE 2122	电子工程实验 2 ELECTRONIC ENGINEERING LABORATORY 2	2
SHLJ 2252	日语交流 II JAPANESE FOR COMMUNICATION II	2	SMJE 2133	电子系统 ELECTRONICS SYSTEM	3
ULRS 1022	哲学和当前问题 * (适用于本地和国际学生) ** (选项 2 适用于国际学 生, 仅选择 1) PHILOSOPHY AND CURRENT ISSUE *(for local and international students) ** (Option 2 for international students, choose 1 only)	2	SMJM 2043	工程统计 ENGINEERING STATISTICS	3
UHLB 2122	专业沟通技巧1 PROFESSIONAL COMMUNICATION SKILLS 1	2	SHLJ 2352	日语交流 III JAPANESE FOR COMMUNICATION III	2
U***	免费选修课 1 FREE ELECTIVE COURSE 1	2	ULRF 2**2	服务学习和社区参与课程 SERVICE LEARNING & COMMUNITY ENGAGEMENT COURSES	2
Year 3 第三学年					
Year 3: SEMESTER 1 第一学期			Year 3: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SMJE 3143	通讯电子 COMMUNICATION ELECTRONICS	3	SMJE 3163	数字信号处理 DIGITAL SIGNAL PROCESSING	3

SMJE 3153	系统控制 CONTROL SYSTEM	3	SMJE 3192	电子工程实验室3 ELECTRONIC ENGINEERING LABORATORY 3	2
SMJE 3183	微处理器和微控制器 MICROPROCESSOR AND MICROCONTROLLER	3	SMJE 3303	综合设计项目 INTEGRATED DESIGN PROJECT	3
SMJE 3813	项目制造 MONOZUKURI PROJECT	3	SMJE 3093	计算机体系结构和多媒体 技术 COMPUTER ARCHITECTURE AND MULTIMEDIA TECHNOLOGY	3
SMJM 3053	数值方法 NUMERICAL METHODS	3	UHLB 3132	专业沟通技巧2 PROFESSIONAL COMMUNICATION SKILLS 2	2
ULRS 3032	创业与创新 ENTREPRENEURSHIP & INNOVATION	2	U***	免费选修课 2 FREE ELECTIVE COURSE 2	3
Year 3: SHORT SEMESTER 短学期					
Code 代码	Course Name 课程名字				Credit 学分
SMJG 3206	Industrial Training 实习				6

Year 4第四学年					
Year 4: SEMESTER 1 第一学期			Year 4: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SMJE 3203	人工智能 ARTIFICIAL INTELLIGENCE	3	SMJE 4924	最后一年项目 2 FINAL YEAR PROJECT 2	4
SMJE 4912	最后一年项目 1 FINAL YEAR PROJECT 1	2	SMJE 4**3	选修课 4 ELECTIVE 4	3
SMJE 4**3	选修课 1 ELECTIVE 1	3	SMJE 4**3	选修课 5 ELECTIVE 5	3
SMJE 4**3	选修课 2 ELECTIVE 2	3	SMJE 4**3	选修课 6 ELECTIVE 6	3
SMJE 4**3	选修课 3 ELECTIVE 3	3			
SMJE 4212	人间绿（特别讲座） NINGEN RYOKU (SPECIAL LECTURE)	3			

Bachelor of Mechanical Precision Engineering
机械精密工程学士

Year 1 第一年					
Year 1: SEMESTER 1 第一学期			Year 1: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SMJP 1013	使用 CAD 进行工程制图 ENGINEERING DRAWING WITH CAD	3	SMJP 1043	工程师编程 PROGRAMMING FOR ENGINEERS	3
SMJP 1022	实验方法 EXPERIMENTAL METHOD	2	SMJP 1053	动力学 DYNAMICS	3
SMJP 1033	静态 STATICS	3	SMJP 1062	材料科学 MATERIALS SCIENCE	2
SMJM 1013	工程数学 1 ENGINEERING MATHEMATICS I	3	SMJP 1203	坚固力学 SOLID MECHANICS	3
SMJP 1201	工作坊实践 WORKSHOP PRACTICE	1	SMJM 1023	工程数学II ENGINEERING MATHEMATICS II	3
SMJP 2112	设计概论 INTRODUCTION TO DESIGN	2	UHLJ 1122	日语交流 I JAPANESE FOR COMMUNICATIONS I	2
UHLM 1012	马来语交流语言 2 * (针对国际学生) MALAY LANGUAGE FOR COMMUNICATION 2 * (for international students)	2	ULRS 1032	诚信与反腐败 INTEGRITY AND ANTI CORRUPTION	2
ULRS 1182	对道德与文明的欣赏 ** (国际学生选项 1, 仅选 1。本地学生必修) APPRECIATION OF ETHICS AND CIVILISATIONS ** (Option 1 for international students, choose 1 only. Compulsory for local students)	2			
UHLB 1112	英语沟通技巧 (适用于 MUET 3.5 及以下) ENGLISH COMMUNICATION SKILLS (for MUET 3.5 and below)	HW			

Year 2 第二学年					
Year 2: SEMESTER 1 第一学期			Year 2: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SMJP 2103	流体力学 FLUID MECHANICS	3	SMJP 2113	制造流程 MANUFACTURING PROCESSES	3
SMJP 2092	电气工程基础 FUNDAMENTAL OF ELECTRICAL ENGINEERING	3	SMJP 2123	热力学 THERMODYNAMICS	3
SMJP 2133	应用固体力学 APPLIED SOLID MECHANICS	3	SMJP 2131	实验一 LABORATORY I	1
SHLJ 2252	日语交流 II JAPANESE FOR COMMUNICATIONS II	2	SMJP 2143	电子 ELECTRONICS	3
SMJM 2033	工程数学三 ENGINEERING MATHEMATICS III	2	SMJM 2043	工程统计 ENGINEERING STATISTICS	3
ULRS 1022	理念和当前问题 * (适用于本地和国际学生) ** (国际学生选项 2, 仅选择 1) PHILOSOPHY AND CURRENT ISSUE *(for local and international students) ** (Option 2 for international students, choose 1 only)	2	SMJP 2203	应用流体力学 APPLIED FLUID MECHANICS	3
UHLB 2122	专业沟通技巧 1 PROFESSIONAL COMMUNICATION SKILLS 1	2	ULRF 2**2	服务学习和社区参与课程 SERVICE LEARNING & COMMUNITY ENGAGEMENT COURSES	2
Year 3 第三学年					
Year 3: SEMESTER 1 第一学期			Year 3: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SMJP 3163	工程部件设计 ENGINEERING COMPONENT DESIGN	3	SMJP 3303	综合设计项目 INTEGRATED DESIGN PROJECT	3
SMJP 3171	实验 2 LABORATORY II	1	SMJP 3213	机器力学和振动 MECHANICS OF MACHINES AND VIBRATION	3

SMJM 3053	数值方法 NUMERICAL METHOD	3	SMJP 3223	控制工程 CONTROL ENGINEERING	3
SMJP 3103	应用热力学和传热 APPLIED THERMODYNAMICS AND HEAT TRANSFER	3	SMJP 4633	数控CAD/CAM CNC CAD / CAM	3
ULRS 3032	创业与创新 ENTREPRENEURSHIP & INNOVATION	2	UHLB 3132	专业沟通技巧2 PROFESSIONAL COMMUNICATION SKILLS 2	2
SHLJ 2352	日语交流3 JAPANESE FOR COMMUNICATION III	2	UMJT 2142	职业道德与安全 (Ningen-ryoku) PROFESSIONAL ETHICS & SAFETY (NINGEN-RYOKU)	2
U***	免费选修课 FREE ELECTIVE	3			

Year 3: SHORT SEMESTER 短学期

Code 代码	Course Name 课程名字	Credit 学分
SMJG 3206	Industrial Training 实习	6

Year 4第四学年

Year 4: SEMESTER 1 第一学期			Year 4: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SMJP 4102	最后一年项目 1 FINAL YEAR PROJECT 1	3	SMJP 4204	最后一年项目 2 FINAL YEAR PROJECT 2	4
SMJP 4103	制造 MONOZUKURI	2	SMJP 4**3	选修课 2 ELECTIVE 2	3
SMJP 4113	机电一体化 MECHATRONICS	3	SMJP 4**3	选修课 3 ELECTIVE 3	3
SMJP 4213	建模与仿真 MODELING AND SIMULATION	3	SMJP 4**3	选修课 4 ELECTIVE 4	3
SMJP 4**3	选修课 1 ELECTIVE 1	3			
	人间绿 (特别讲座) NINGEN RYOKU (SPECIAL LECTURE)	3			

**Bachelor of Chemical Process
Engineering**
化学加工工程学士

Year 1 第一学年					
Year 1: SEMESTER 1 第一学期			Year 1: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SMJC 1202	化学过程工程导论 INTRODUCTION TO CHEMICAL PROCESS ENGINEERING	2	SMJC 1213	热力学 THERMODYNAMICS	3
SMJM 1013	工程数学 1 ENGINEERING MATHEMATICS I	3	SMJM 1023	工程数学II ENGINEERING MATHEMATICS II	3
SMJC 1101	使用 CAD 进行工程制图 ENGINEERING DRAWING WITH CAD	1	UHLJ 1122	日语交流 I JAPANESE FOR COMMUNICATIONS I	2
SMJP 1043	工程师编程 PROGRAMMING FOR ENGINEERS	3	SMJC 2013	有机化学 2 ORGANIC CHEMISTRY 2	3
SMJC 1003	有机化学 1 ORGANIC CHEMISTRY I	3	UMJT 2142	PROFESSIONAL ETHICS & SAFETY (NINGEN-RYOKU)	3
ULRS 1182	对道德与文明的欣赏 ** (国际学生选项 1, 仅选 1。本地学生必修) APPRECIATION OF ETHICS AND CIVILISATIONS ** (Option 1 for international students, choose 1 only. Compulsory for local students)	2	ULRS 1032	诚信与反腐败 INTEGRITY AND ANTI CORRUPTION	2
UHLM 1012	马来语交流语言 2 * (针对国际学生) MALAY LANGUAGE FOR COMMUNICATION 2 * (for international students)	2	SMJC 2022	化学分析 ANALYTICAL CHEMISTRY	2
UHLB 1112	英语沟通技巧 (适用于 MUET 3.5 及以下) ENGLISH COMMUNICATION SKILLS (for MUET 3.5 and below)	HW			

Year 2 第二学年					
Year 2: SEMESTER 1 第一学期			Year 2: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SMJC 2223	质量和能量平衡 MASS AND ENERGY BALANCE	3	SMJC 2701	有机化学/分析实验室 ORGANIC CHEMISTRY/ ANALYTICAL LAB	1
SMJM 2033	工程数学三 ENGINEERING MATHEMATICS III	3	SMJC 2711	化学过程工程实验室1 CHEMICAL PROCESS ENGINEERING LABORATORY 1	1
SHLJ 2252	日语交流 II JAPANESE FOR COMMUNICATIONS II	2	SMJC 2233	化学工程师物理化学 PHYSICAL CHEMISTRY FOR CHEMICAL ENGINEER	3
U***	免费选修课 FREE ELECTIVE	3	SMJC 2243	化学工程热力学 CHEMICAL ENGINEERING THERMODYNAMICS	3
SMJC 2113	流体力学 3 FLUID MECHANICS3	3	SMJC 2253	工程统计 ENGINEERING STATISTICS	3
ULRS 1022	理念和当前问题 *(适用于本地和国际学生) ** (国际学生选项 2, 仅选择 1) PHILOSOPHY AND CURRENT ISSUE *(for local and international students) ** (Option 2 for international students, choose 1 only)	2	SMJM 2043	运输现象 TRANSPORT PHENOMENA	3
UHLB 2122	专业沟通技巧 PROFESSIONAL COMMUNICATION SKILLS 1	2	SHLJ 2352	日语交流 III JAPANESE FOR COMMUNICATION III	2
			ULRF 2**2	服务学习和社区参与课程 SERVICE LEARNING & COMMUNITY ENGAGEMENT COURSES	2
Year 3 第三学年					
Year 3: SEMESTER 1 第一学期			Year 3: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SMJC 3263	分离过程1 SEPARATION PROCESS 1	3	SMJC 3283	分离过程2 SEPARATION PROCESS 2	3
SMJC 3303	化学动力学和反应器设计 CHEMICAL KINETICS AND	3	SMJC 3333	环境工程概论 INTRODUCTION TO	3

	REACTOR DESIGN			ENVIRONMENTAL ENGINEERING	
SMJC 3313	过程控制和仪表 PROCESS CONTROL AND INSTRUMENTATION	3	SMJC 3731	化学过程工程实验室3 CHEMICAL PROCESS ENGINEERING LABORATORY 3	1
SMJC 3721	化学过程工程实验室2 CHEMICAL PROCESS ENGINEERING LABORATORY 2	1	SMJC 3741	化学过程工程实验室4 CHEMICAL PROCESS ENGINEERING LABORATORY 4	1
SMJC 3273	化学工程师的数值方法 NUMERICAL METHODS FOR CHEMICAL ENGINEER	3	SMJC 3293	材料科学 MATERIAL SCIENCES	3
SMJC 3323	微生物学和生物技术基础 III FUNDAMENTALS OF MICROBIOLOGY AND BIOTECHNOLOGY III	3	SMJC 3123	流程经济学和项目管理 PROCESS ECONOMICS & PROJECT MANAGEMENT	3
ULRS 3032	创业与创新 ENTREPRENEURSHIP & INNOVATION	2	UHLB 3132	专业沟通技巧 2 PROFESSIONAL COMMUNICATION SKILLS 2	2
Year 3: SHORT SEMESTER 短学期					
Code 代码		Course Name 课程名字			Credit 学分
SMJG 3206		Industrial Training 实习			6

Year 4第四学年					
Year 4: SEMESTER 1 第一学期			Year 4: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SMJC 4813	最后一年项目 1 FINAL YEAR PROJECT 1	3	SMJC 4823	最后一年项目 2 FINAL YEAR PROJECT 2	4
SMJC 4343	化学工艺设计 CHEMICAL PROCESS DESIGN	3	SMJC 4824	化工厂设计项目 CHEMICAL PLANT DESIGN PROJECT	3
SMJC 4353	过程安全与健康 PROCESS SAFETY AND HEALTH	3	SMJC 4**3	选修课 3 ELECTIVE 3	3
SMJC 4**3	选修课 1 ELECTIVE 1	3	SMJC 4**3	选修课 4 ELECTIVE 4	3
SMJC 4**3	选修课 2 ELECTIVE 2	3			

BACHELOR OF COMPUTER SCIENCE (SOFTWARE ENGINEERING)
软件工程学士

Year 1 第一学年					
Year 1: SEMESTER 1 第一学期			Year 1: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SECI 1013	离散结构 DISCRETE STRUCTURE	3	SECI 1113	计算数学 COMPUTATIONAL MATHEMATICS	3
SECJ 1013	编程技术 I PROGRAMMING TECHNIQUE I	3	SECI 1143	概率与统计数据分析 PROBABILITY & STATISTICAL DATA ANALYSIS	3
SECR 1013	数字逻辑 DIGITAL LOGIC	3	SECJ 1023	编程技巧二 PROGRAMMING TECHNIQUE II	3
SECP 1513	技术与信息系统 TECHNOLOGY & INFORMATION SYSTEMS	3	SECR 1033	计算机组织和体系结构 COMPUTER ORGANISATION AND ARCHITECTURE	3
ULRS 1032	诚信与反腐败 INTEGRITY AND ANTI CORRUPTION	2	SECJ 2203	软件工程 SOFTWARE ENGINEERING	3
UHLB 1112	英语沟通技巧 (适用于 MUET 3.5 及以下) ENGLISH COMMUNICATION SKILLS (for MUET 3.5 and below)	HW	ULRS 1182	道德与文明鉴赏 **(国际学生选项 1, 仅选 1。 本地学生必修) APPRECIATION OF ETHICS AND CIVILIZATION **(Option 1 for international students, choose 1 only. Compulsory for local students)	2
			UHLM 1012	马来语交流语言 2 *(针对国际学生) MALAY LANGUAGE FOR COMMUNICATION 2 *(for international students)	2

Year 2 第二学年					
Year 2: SEMESTER 1 第一学期			Year 2: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SECD 2523	数据库 DATABASE	3	SECV 2223	网页编程 WEB PROGRAMMING	1
SECD 2613	系统分析与设计 SYSTEM ANALYSIS AND DESIGN	3	SECR 2043	操作系统 OPERATING SYSTEMS	1
SECJ 2013	数据结构与算法 DATA STRUCTURE AND ALGORITHM	3	SECJ 2154	面向对象编程 OBJECT ORIENTED PROGRAMMING	3
SECR 2213	网络通讯 NETWORK COMMUNICATIONS	3	SECJ 2253	需求工程和软件建模 REQUIREMENTS ENGINEERING & SOFTWARE MODELLING	3
SECV 2113	人机交互 HUMAN COMPUTER INTERACTION	3	SECJ 2363	软件项目管理 SOFTWARE PROJECT MANAGEMENT	3
ULRF 2**2	服务学习和社区参与课程 SERVICE LEARNING & COMMUNITY ENGAGEMENT COURSES	2	UHLB 2122	专业沟通技巧 1 PROFESSIONAL COMMUNICATION SKILLS 1	3
		2	ULRS 1022	日语交流 III JAPANESE FOR COMMUNICATION III	2
Year 3 第三学年					
Year 3: SEMESTER 1 第一学期			Year 3: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SECJ 3104	应用程序开发 APPLICATIONS DEVELOPMENT	4	SECJ 3032	软件工程项目1 SOFTWARE ENGINEERING PROJECT 1	2
SECJ 3553	人工智能 ARTIFICIAL INTELLIGENCE	3	SECJ 3343	软件质量保证 SOFTWARE QUALITY ASSURANCE	3
SECJ 3303	网络编程 INTERNET PROGRAMMING	3	SECJ 3563	计算智能 COMPUTATIONAL INTELLIGENCE	3
SECJ 3323	软件设计与架构 SOFTWARE DESIGN & ARCHITECTURE	3	SECJ 3623	移动应用程序编程 MOBILE APPLICATION PROGRAMMING	3
SECJ 3603	基于知识的专家系统 KNOWLEDGE-BASED & EXPERT	3	SECJ 3403	软件工程专题 SPECIAL TOPIC IN	3

	SYSTEMS			SOFTWARE ENGINEERING	
UHLB 3132	专业沟通技巧2 PROFESSIONAL COMMUNICATION SKILLS 2	2	SECJ 3483	网络技术 WEB TECHNOLOGY	3
UHLX 1112	外语交流选修课 FOREIGN LANGUAGE COMMUNICATION ELECTIVE	2	S*****3	大学免费选修课* UNIVERSITY FREE ELECTIVES*	3
			ULRS 3032	创业与创新 ENTREPRENEURSHIP & INNOVATION	2

Year 4第四学年					
Year 4: SEMESTER 1 第一学期			Year 4: SEMESTER 2 第二学期		
Code 代码	Course Name 课程名字	Credit 学分	Code 代码	Course Name 课程名字	Credit 学分
SECJ 4118	工业培训 INDUSTRIAL TRAINING	8	SECJ 4134	软件工程项目2 SOFTWARE ENGINEERING PROJECT 2	4
SECJ 4114	工业培训报告 INDUTRIAL TRAINING REPORT	4	SECD 3761	科技创业研讨会 TECHNOPRENEURSHIP SEMINAR	1
			SECJ 3203	计算机科学理论 THEORY OF COMPUTER SCIENCE	3
			SECJ 4383	软件构建 SOFTWARE CONSTRUCTION	3
			SECJ 4423	实时软件工程 REAL-TIME SOFTWARE ENGINEERING	3
			SECJ 4463	面向代理的软件工程 AGENT-ORIENTED SOFTWARE ENGINEERING	3
			SECH 5**3/SECD 5**3/SECS 5**3	棱镜选修课 1 PRISMS ELECTIVE 1	3
			SECH 5**3/SECD 5**3/SECS 5**3	棱镜选修课 1 PRISMS ELECTIVE 2	