

List of Undergraduate Courses (as at 2018-03-16)

Offering Unit	Offering Department	New Course Code	Old Course Code	Course Title in English	Course Title in Chinese	Credits	Course Duration
FST	EME	EMEN1000	FST-EME-EMEB111	PROGRAM DESIGN FOR ENGINEERS	工程電腦程式設計	3.0	Semester
FST	EME	EMEN1001	FST-EME-EMEB110	ENGINEERING DRAWING I	工程製圖 I	1.0	Semester
FST	EME	EMEN1002	FST-EME-EMEB120	ENGINEERING DRAWING II	工程製圖 II	1.0	Semester
FST	EME	EMEN1003	FST-EME-EMEB121	ENGINEERING MATERIALS	工程材料	3.0	Semester
FST	EME	EMEN1004	FST-EME-EMEB122	STATICS	靜力學	3.0	Semester
FST	EME	EMEN2000	FST-EME-EMEB210	STRENGTH OF MATERIALS	材料力學	3.0	Semester
FST	EME	EMEN2001	FST-EME-EMEB211	THERMODYNAMICS	熱力學	3.0	Semester
FST	EME	EMEN2002	FST-EME-EMEB212	MANUFACTURING TECHNOLOGY	製造技術	3.0	Semester
FST	EME	EMEN2003	FST-EME-EMEB213	ELECTRICAL ENGINEERING	電機工程	3.0	Semester
FST	EME	EMEN2004	FST-EME-EMEB220	DYNAMICS	動力學	3.0	Semester
FST	EME	EMEN2005	FST-EME-EMEB221	COMPUTER-AIDED DESIGN	電腦輔助設計	3.0	Semester
FST	EME	EMEN2006	FST-EME-EMEB222	MACHINE ELEMENTS	機械元件	3.0	Semester
FST	EME	EMEN2007	FST-EME-EMEB223	MECHATRONICS	機電一體化	3.0	Semester
FST	EME	EMEN3000	FST-EME-EMEB310	PRODUCTION MANAGEMENT	生產管理	3.0	Semester
FST	EME	EMEN3001	FST-EME-EMEB311	FLUID MECHANICS	流體力學	3.0	Semester
FST	EME	EMEN3002	FST-EME-EMEB312	CONTROL ENGINEERING	控制工程	3.0	Semester
FST	EME	EMEN3003	FST-EME-EMEB320	HEAT TRANSFER	熱傳學	3.0	Semester
FST	EME	EMEN3004	FST-EME-EMEB321	COMPUTER ENGINEERING	電腦工程	3.0	Semester
FST	EME	EMEN3005	FST-EME-EMEB322	SOCIETY AND THE ENGINEER	社會與工程師	1.0	Semester
FST	EME	EMEN3006	FST-EME-EMEB350	ADVANCED MANUFACTURING	先進製造技術	3.0	Semester
FST	EME	EMEN3007	FST-EME-EMEB351	ADVANCED MATERIALS FOR ENGINEERING	高等工程材料	3.0	Semester
FST	EME	EMEN3008	FST-EME-EMEB352	AIR CONDITIONING AND REFRIGERATION	冷凍空調	3.0	Semester
FST	EME	EMEN3009	FST-EME-EMEB353	APPLICATIONS OF VIBRATION AND NOISE CONTROL	振動雜訊控制及應用	3.0	Semester
FST	EME	EMEN3010	FST-EME-EMEB354	COMPUTER TECHNOLOGY IN ENGINEERING	工程電腦技術	3.0	Semester
FST	EME	EMEN3011	FST-EME-EMEB355	CORROSION, WEAR AND DEGRADATION OF MATERIALS	材料腐蝕、磨損及降解	3.0	Semester
FST	EME	EMEN3012	FST-EME-EMEB356	ELECTRICAL SERVICES - WIRING AND INSTALLATIONS	電力設備 - 線路與裝置	3.0	Semester
FST	EME	EMEN3013	FST-EME-EMEB357	ELECTROMECHANICAL ENERGY CONVERSION	機電能量轉換	3.0	Semester
FST	EME	EMEN3014	FST-EME-EMEB358	ELECTRONICS AND INSTRUMENTATION	電子學與儀器	3.0	Semester
FST	EME	EMEN3015	FST-EME-EMEB359	FINITE ELEMENT TECHNIQUES IN ENGINEERING	工程有限元法	3.0	Semester
FST	EME	EMEN3016	FST-EME-EMEB360	FUNDAMENTALS OF AUTOMOTIVE ENGINEERING	汽車工程學基礎	3.0	Semester
FST	EME	EMEN3017	FST-EME-EMEB361	INDUSTRIAL DATA MANAGEMENT	工業數據管理	3.0	Semester
FST	EME	EMEN3018	FST-EME-EMEB362	INTELLIGENT BUILDINGS	智能屋宇	3.0	Semester
FST	EME	EMEN3019	FST-EME-EMEB363	INTERNAL COMBUSTION ENGINES	內燃機	3.0	Semester
FST	EME	EMEN3020	FST-EME-EMEB364	INTERNSHIP	機電工程實習	3.0	Semester
FST	EME	EMEN3021	FST-EME-EMEB365	INTERNSHIP I	機電工程實習 I	1.5	Semester
FST	EME	EMEN3022	FST-EME-EMEB366	INTERNSHIP II	機電工程實習 II	1.5	Semester
FST	EME	EMEN3023	FST-EME-EMEB367	COMPUTATIONAL FLUID DYNAMICS	計算流體動力學	3.0	Semester
FST	EME	EMEN3024	FST-EME-EMEB368	ENGINEERING MANAGEMENT	工程管理	3.0	Semester
FST	EME	EMEN3025	FST-EME-EMEB369	FIRE PROTECTION ENGINEERING	消防工程	3.0	Semester
FST	EME	EMEN3026	FST-EME-EMEB370	ROBOTICS	機器人學	3.0	Semester
FST	EME	EMEN3027	FST-EME-EMEB371	MECHANICAL BEHAVIOUR OF ENGINEERING MATERIALS AND BASIC FAILURE ANALYSIS	工程材料的機械性能及基礎失效分析	3.0	Semester
FST	EME	EMEN3028	FST-EME-EMEB372	OPTIMIZATION TECHNIQUES AND THEIR APPLICATIONS IN ENGINEERING	最優化理論及其在工程中的應用	3.0	Semester
FST	EME	EMEN3029	FST-EME-EMEB373	PRODUCTION SYSTEMS, PLANNING & CONTROL	生產系統規劃與控制	3.0	Semester
FST	EME	EMEN3030	FST-EME-EMEB374	SPECIAL TOPICS IN ELECTROMECHANICAL ENGINEERING I	機電工程學專題 I	3.0	Semester
FST	EME	EMEN3031	FST-EME-EMEB375	SPECIAL TOPICS IN ELECTROMECHANICAL ENGINEERING II	機電工程學專題 II	3.0	Semester
FST	EME	EMEN3032	FST-EME-EMEB386	SPECIAL TOPICS IN ELECTROMECHANICAL ENGINEERING III	機電工程學專題 III	3.0	Semester
FST	EME	EMEN3033	FST-EME-EMEB376	THEORY OF MECHANISMS	機動學	3.0	Semester
FST	EME	EMEN3034	FST-EME-EMEB377	CREATIVE INDUSTRY	創意產業	3.0	Semester
FST	EME	EMEN3035	FST-EME-EMEB378	ELECTRIC VEHICLES	電動車	3.0	Semester
FST	EME	EMEN3036	FST-EME-EMEB379	EXTRA-LOW-VOLTAGE ELECTRICAL SYSTEMS IN BUILDINGS	建築物的特低電壓電氣系統	3.0	Semester
FST	EME	EMEN3037	FST-EME-EMEB380	FACILITY MANAGEMENT	設施管理	3.0	Semester
FST	EME	EMEN3038	FST-EME-EMEB381	LIGHTING TECHNOLOGY	照明技術	3.0	Semester
FST	EME	EMEN3039	FST-EME-EMEB382	MECHANICAL PROCESSING OF MATERIALS	材料的機械加工	3.0	Semester
FST	EME	EMEN3040	FST-EME-EMEB383	NONLINEAR DYNAMICS AND CHAOS	非線性動力學與混沌	3.0	Semester
FST	EME	EMEN3041	FST-EME-EMEB384	SELECTION OF MATERIALS FOR ENGINEERING DESIGN	工程設計中的選材方法	3.0	Semester
FST	EME	EMEN3042	FST-EME-EMEB385	SENSORS AND ACUATORS	傳感器與驅動器	3.0	Semester
FST	EME	EMEN3043	FST-EME-EMEB387	STATISTICS AND PROBABILITY FOR ENGINEERING	工程統計與機率	3.0	Semester
FST	EME	EMEN3044	FST-EME-EMEB388	SURFACE ENGINEERING AND COATING TECHNOLOGY	表面工程與塗層技術	3.0	Semester
FST	EME	EMEN3045	FST-EME-EMEB389	THERMAL ENERGY TRANSPORTATION IN POROUS MEDIA	多孔介質中的熱能傳遞	3.0	Semester
FST	EME	EMEN4000	FST-EME-EMEB410	DESIGN PROJECT	畢業設計	6.0	Yearly