

Ho Chi Minh City University of Technology
Office for International Study Programs

Mechatronic Engineering (English program 4+0)
From Intake 2015 onwards

Sem.	No.	Subjects (Vietnamese)	Subjects (English)	Credit
Pre	1	K n ng m m	Soft Skills	2
Pre	2	Giáo d c th ch t 1	Physical Training 1	0
Total Credits				2

Sem.	No.	Subjects (Vietnamese)	Subjects (English)	Credit
1	1	Anh v n 1	English 1	2
1	2	Anh v n 2	English 2	2
Total Credits				4

Sem.	No.	Subjects (Vietnamese)	Subjects (English)	Credit
2	1	Anh v n 3	English 3	2
2	2	Anh v n 4	English 4	2
Total Credits				4

Sem.	No.	Subjects (Vietnamese)	Subjects (English)	Credit
3	1	Giáo d c qu c phòng (LT)	Military Training A	0
3	2	Giáo d c qu c phòng (TH)	Military Training B	0
3	3	Giáo d c th ch t 2	Physical Training 2	0
3	4	i s	Linear Algebra	3
3	5	Gi i tích 1	Calculus 1	4
3	6	V t lý 1	Physics 1	4
3	7	Nh p môn v k thu t	Introduction to Engineering	3
Total Credits				14

Sem.	No.	Subjects (Vietnamese)	Subjects (English)	Credit
4	1	Giáo d c th ch t 3	Physical Training 3	0
4	2	Gi i tích 2	Calculus 2	4
4	3	V t lý 2	Physics 2	4
4	4	Thí nghi m V t lý	Physics Lab.	1
4	5	C h c lý thuy t	Engineering Mechanics	3
4	6	V k thu t	Engineering Drawing	3
4	7	Th ct p c khí i c ng 1	General Mechanical Practice 1	1
Total Credits				16

Sem.	No.	Subjects (Vietnamese)	Subjects (English)	Credit
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5	1	S c b n v t l i u	Strength of Materials	3
5	2	Nguyên lý máy	Kinematics and Dynamics of Machines	3
5	3	Hóa i c n g	General Chemistry	3
5	4	Trang b i n - i n t trong máy CN	Electrical and Electronic Equipment for Industrial Machinery	4
5	5	Th c t p c k h í i c n g 2	General Mechanical Practice 2	1
5	6	C l u c h t	Fluid Mechanics	3
Total Credits				17

Sem.	No.	Subjects (Vietnamese)	Subjects (English)	Credit
6	1	Nhi t n g l c h c và truy n nhi t	Engineering Thermodynamics and Heat Transfer	3
6	2	K thu t i u khi n t n g	Introduction to Control System Technology	3
6	3	V t l i u h c và x lý		3
6	4	Chi ti t máy	Machine Elements	3
6	5	án thi t k	Logic design project	1
6	6	Nh p môn v l p trình	Introduction to Information Technology	3
6	7	Th c t p k thu t		1
Total Credits				17

Sem.	No.	Subjects (Vietnamese)	Subjects (English)	Credit
7	1	Dung sai và k thu t o		3
7	2	Thi t k h th n g c i n t	Mechatronics System Design	3
7	3	Vi i u khi n	Microprocessors-microcontrollers	3
7	4	Ph n g pháp tính	Numerical Analysis	3
7	5	Nguyên lý c b n ch n g h a Mác-LêNin	Basic principles of Marxism-Leninism	5
7	6	K thu t th y l c và khí nén		3
Total Credits				20

Sem.	No.	Subjects (Vietnamese)	Subjects (English)	Credit
8	1	Th c t p t nghi p	Internship	3
8	2	án chuyên ngành c i n t		1
8	3	K thu t robot		3
8	4	Các ph n g pháp gia công		3
8	5	H th n g PLC	PLC System	3
8	6	T t n g H Chí Minh	HoChiMinh Ideology	2

8	7	ng l ch c và i u khi n		3
8	8	Xác su t th ng kê	Probability and Statistics	3
Total Credits				21

Sem.	No.	Subjects (Vietnamese)	Subjects (English)	Credit
9	1	Môi tr ng và con ng i	Human and environment	3
9	2	ng l i cách m ng CSVN	Revolutionary policies of The Vietnam communist party	3
9	3	T ch n 1		3
9	4	T ch n 2		3
9	5	Pháp lu t Vi t Nam i c ng	Introduction to VN Law Systems	2
9	6	Lu n v n t t nghi p	Thesis	3
Total Credits				17

Sem.	No.	Subjects (Vietnamese)	Subjects (English)	Credit
10	1	Lu n v n t t nghi p	Thesis	6
10	2	Ch n m t trong các môn sau: Kinh t h c i c ng, Qu n tr kinh doanh cho k s , L p và phân tích d án cho k s , Qu n lý s n xu t cho k s , Qu n lý d án cho k s		3
10	3	T ch n 3		3
Total Credits				12

Total Credits of Major				144
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