

Course Title & Course Code		Credit	Terms									
			1	Sp	2	3	Sp	4	5	6	7	8
Required by all programs (39 credits)		39	12	1	12	10	0	4	0	0	0	0
Applied Calculus II-Vv156	Honors Mathematics II-Vv186	16	4	4*								
Applied Calculus III-Vv255	Honors Mathematics III-Vv285				4							
Applied Calculus IV-Vv256	Honors Mathematics IV-Vv286					4						
Linear Algebra - Vv214								4				
Introduction to Engineering - Vg100		4	4		4*							
Introduction to Computer and Programming - Vg101		4	4*		4							
Chemistry - Vc210		5	4									
Chemistry Lab - Vc211					1							
Physics I - Vp140	Honors Physics I - Vp160	10			4							
Physics II - Vp240	Honors Physics II - Vp260					4						
Physics Lab I - Vp141						1						
Physics Lab II - Vp241						1						
Humanities and Social Science (16 credits)		16	0	0	4	0	0	0	3	2	3	4
Humanity and Social Science (in English)		14			4				3		3	4
Professional Ethics - Vg496		2								2	2*	
Program Subject (50 credits)		50	0	0	0	4	1	11	15	15	4	0
Engineering Practice Training - Vm020		1					1					
Introduction to Circuits - Ve215		4							4			
Introduction to Solid Mechanics - Vm211		4				4						
Thermodynamics - Vm235		3						3				
Introduction to Dynamics and Vibrations - Vm240		4					4*	4				
Design and Manufacturing I - Vm250		4						4				
Fluid Mechanics I - Vm320		3							3			
Heat Transfer - Vm335		3								3		
Design and Manufacturing II - Vm350		4								4		
Modeling, Analysis and Control of Dynamic Systems - Vm360		4								4		
Mechanical Behavior of Materials - Vm382		4					4*		4			
Laboratory I - Vm395		4							4	4*		
Design and Manufacturing III - Vm450		4									4	4*
Laboratory II - Vm495		4								4		
ME Electives (23 credits)		23	0	0	0	3	0	3	0	0	7	10
Advanced Mathematics		3										3
Flexible Technical Electives		11									4	7
General Electives		9				3		3			3	
Subjects Required by MOE and SJTU (22 credits)		22	5	10	0	1	6	0	0	0	0	0
Integrated English - Vy100		4	4									
English Writing - Vy200		4		4								
Humanity and Social Science (in Chinese)**		10		5			5					
Physical Education**		4	1	1		1	1					
Total Credit Hours:		150	17	11	16	18	7	18	18	17	14	14

*Indicates alternative scheduling.

** International students are exempted from these requirements