

Course Title & Course Code		Credit Hours	Terms									
			1	Sp	2	3	Sp	4	5	6	7	8
Required by all programs (39 credits)		39	12	1	12	14	0	0	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						
Discrete Mathematics - Ve203						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	4	0	2	6
Humanity and Social Science (in English)		14			4				4			6
Professional Ethics - Vg496		2								2*	2	
Program Subject (43 credits)		43	0	0	0	4	0	17	4	12	6	0
Introduction to Circuits - Ve215		4				4						
Introduction to Signals and Systems - Ve216		4					4*	4				
Programming & Introductory Data Structures - Ve280		4						4				
Probabilistic Methods in Eng. - Ve401		4					4*			4		
Electromagnetics I - Ve230		4						4				
Introduction to Logic Design - Ve270		4						4				
Electronic Circuits - Ve311		4								4		
Introduction to Semiconductor Devices - Ve320		4								4		
Introduction to Computer Organization - Ve370		4							4			
Technical Communication - Ve300		1						1				
Capstone Design - Ve450/Major Design Experience (MDE)		4									4	4*
Advanced Technical Communication - Ve496		2									2	2*
ECE Electives (30 credits)		30	0	0	0	0	0	0	8	4	7	11
Core Electives		4							4			
Upper Level Technical Electives		7								4	3	
Flexible Technical Elective		12									4	8
General Elective		7							4			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	19	6	17	16	16	15	17

* Indicates alternative scheduling.

** International students are exempted from these requirements