

2017 Compulsory module list for the Department of Computer Science and Engineering

Type of subject	Subject title	Credit No.	1st academic year		2nd academic year		3rd academic year		4th academic year		Note
			First	Second	First	Second	First	Second	First	Second	
Joint education program	Chinese language	6	3	3							Earn enough credits for programs of different course numbers.
	Year 1 English (B9B01968, B9B01969)	4	2	2							For English credits waiver and transference regulations, please refer to the Institute of Applied English
	Introduction to Marine Science (B9M01Z64)	2		2							Students must complete 2 credits for compulsory module 'Introduction to Marine Science' in second semester in Year 1
	Liberal Arts (General Education) area	14			4	4	4	2			

Physical education	0	0	0	0	0					2 hours of lessons per week (1 credit of Physical education shall not be waived or transferred). Must include compulsory swimming program of at least one semester.
Service Learning -- Love School Service	0	0	0							1 hour of practice per week
Advanced English	2			2						
English Graduation Threshold	0								0	According to Regulations of the University's English Graduation Threshold, students that have not yet passed English abilities examination standard of the University before graduation, shall sign up for the University's 'English Intensive' module (zero credit) after presenting relevant certification document upon approval and login by program as replacement for English abilities examinations. Such students are deemed having passed English graduation threshold upon pass of such module.

	Subject title	Credit No.	1st academic year		2nd academic year		3rd academic year		4th academic year		Note
			First	Second	First	Second	First	Second	First	Second	
Type of subject											Competition, upon presentation of participation or result certification recognized by organizing party. 4. With proof of doctor that student may not or cannot participate in swimming activities with period of ban. Expiration of such period of ban shall be after expected date of graduation of student.
	Total credits of joint education program	28	5	7	6	4	4	2	0	0	
Set program-specific compulsory	Program design	3	3								
	Discrete mathematics	3	3								
	Basic physics (B57011RS)	3	3								
	Introduction to Computer (B57011RQ)	3	3								
	Calculus	6	3	3							
	Program design (2)	3		3							<u>Students having acquired 50 scores from Program design, shall continue to study Program design (2).</u>
	Linear algebra (B5701S60)	3		3							
	Digital logic	3		3							
	Digital logic experiment	1		1							
	Information structure	3			3						Students having acquired 50 scores from Program design or Program design (2), shall continue to study Information structure.
	Probability theory	3			3						
	Computer organization	3			3						
	Algorithm	3				3					
	Computer network	3				3					
	Operating system	3					3				
	Information project (1)	3						3			Information project includes three modules including 'Program-specific module title project (1)' from Year 3 first semester, 'Program-specific module title project
Information project (2)	3							3			

										(2)' from Year 4 second semester	
Information project discussion	1									1	
Total credits of set program-specific compulsory	53	15	13	9	6	3	3	3		1	
Total compulsory credits	81	20	20	15	10	7	5	3		1	
Lowest optional credits											<p><u>I. Students must complete at least 43 credits for optional modules within the department, and at least 12 credits of core optional modules.</u></p> <p><u>II. Optional modules from outside of the department:</u></p> <p><u>1. Modules, second majors, or compulsory credits waived or transferred shall not be counted as optional module credits from outside of the department.</u></p> <p><u>2. All compulsory modules from outside of the department.</u></p> <p><u>3. Optional modules from within the module.</u></p> <p><u>4. E-commerce modules (not limited to credits, but 'Introduction to computer, Website design and practice, Internet and server management, Introduction to database system' shall not be counted as graduation credit.)</u></p> <p><u>5. Joint education program credits can waive or transfer at most 8 credits.</u></p>
Lowest credits for graduation											135
Note	<p>Military training and physical education credits shall not be counted as graduation credit.</p> <p>Department of Computer Science and Information Engineering limits only 6 credits of non-appointed modules shall be counted as optional modules from within the department. For further details, please see 2017 Graduate Programs Graduation regulations.</p>										