

## Sample Study Plan for BEng(CompSc) with Minor in Information Systems [4-Year Curriculum]

		Semester 1		Semester 2	
Year 1 (60 cu)	<b>UG5 Requirements</b> (12 + 12 cu)  General Engineering (18 + 18 cu)	MATH1851 / MATH1853 ENGG1111 ENGG1202 / ENGG120x <b>CAES1000</b> <b>UCC</b>	Calculus and ordinary differential equations / Linear algebra, probability and statistics Computer programming and applications Introduction to computer science / General Engineering course * <b>Core University English</b> <b>University Common Core</b>	MATH1851 / MATH1853 PHYS1050 ENGG1202 / ENGG120x <b>UCC</b> <b>UCC</b>	Calculus and ordinary differential equations / Linear algebra, probability and statistics Physics for engineering students Introduction to computer science / General Engineering course * <b>University Common Core</b> <b>University Common Core</b>
Year 2 (60 cu)	<b>UG5 Requirements</b> (6 + 12 cu)  CS Core (12 + 12 cu)  <b>CS Electives</b> (6 + 0 cu)  <b>IS requirement</b> (6 + 6 cu)	COMP2121 COMP2123 <b>COMP2396</b> <b>ACCT1101</b> <b>UCC</b>	Discrete mathematics Programming technologies and tools <b>Object-oriented programming and Java #</b> <b>Introduction to financial accounting</b> <b>University Common Core</b>	COMP2119 COMP2120   <b>ECON1210</b> <b>UCC</b> <b>UCC</b>	Introduction to data structures and algorithms Computer organization   <b>Introductory microeconomics</b> <b>University Common Core</b> <b>University Common Core</b>
Year 3 (66 cu)	<b>UG5 Requirements</b> (6 + 0 cu)  CS Core (18 + 18 cu)  <b>CS Electives</b> (0 + 6 cu)  <b>IS requirement</b> (6 + 6 cu)	COMP3230 COMP3278 COMP3297 <b>CENG9001</b> <b>IIMT2601</b>	Principles of operating systems Introduction to database management systems Software engineering <b>Practical Chinese for engineering students</b> <b>Management information systems</b>	COMP3234 COMP3250 COMP3311 <b>CS Elective</b> <b>XXXXxxxx</b>	Computer and communication networks Design and analysis of algorithms Legal aspects of computing <b>Elective course in computer science</b> <b>A prescribed statistics course</b>
	Summer (6 cu)	COMP3412	Internship		
Year 4 (54 cu)	<b>UG5 Requirements</b> (6 + 0 cu)  Capstone Experience (12 cu)  <b>Electives</b> (12 + 12 cu)  <b>IS requirement</b> (6 + 6 cu)	COMP4801 <b>CAES9542</b> <b>CS Elective</b> <b>CS Elective</b> <b>IIMT3602</b>	Final year project <b>Technical English for computer science</b> <b>Elective course in computer science</b> <b>Elective course in computer science</b> <b>Information systems analysis and design</b>	COMP4801 <b>CS Elective</b> <b>Free Elective</b> <b>IS Elective</b>	Final year project <b>Elective course in computer science</b> <b>Elective course in any disciplines</b> <b>IS Elective (Advanced level) in lieu of IIMT3601</b>

\* List of General Engineering Courses:

ENGG1201    Engineering for sustainable development  
 ENGG1203    Introduction to electrical and electronic engineering  
 ENGG1204    Industrial management and logistics

ENGG1205    Introduction to mechanical engineering  
 ENGG1206    Introduction to biomedical engineering  
 ENGG1207    Foundation of biochemistry for medical engineering

# Academic Advisor's recommendation of CS elective course