

## Bachelor's programme in Computer Science & Engineering

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	quarter 1	quarter 2	quarter 3	quarter 4
<b>Year 1</b>				
1	<u>CSE1100</u> Introduction to Programming	<u>CSE1200</u> Calculus	<u>CSE1205</u> Linear Algebra	<u>CSE1210</u> Probability Theory and Statistics
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6	<u>CSE1300</u> Reasoning & Logic	<u>CSE1105</u> CSE Project	<u>CSE1305</u> Algorithms and Data Structures	<u>CSE1110</u> Software Quality and Testing
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11	<u>CSE1400</u> Computer Organisation	<u>CSE1500</u> Web- & Database Technology	<u>CSE1505</u> Information and Data Management	<u>CSE1405</u> Computer Networks
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14				
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<b>Year 2</b>				
1	<u>CSE2115</u> Software Engineering Methods	<u>CSE2310</u> Algorithm Design	<u>CSE2315</u> Automata, Computability and Complexity	<u>CSE2000</u> Software Project  Entry requirements: CSE1100 + CSE1105 + CSE1110 + CSE2115
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6	<u>CSE2510</u> Machine Learning	<u>CSE2215</u> Computer Graphics	<u>CSE2120</u> Concepts of Programming Languages	
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11	Variant course A	Variant course B	Variant course C	
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<b>Year 3</b>				
1	Minor (minors.tudelft.nl)  Going abroad? Start preparations at the start of your 2nd year.	Elective	<u>CSE3000</u> Research Project  Entry requirements: all courses of year 1 + Q1 and Q2 of year 2 + CSE2000	
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7		Elective		
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14	Elective			
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CSE2000 Software Project and CSE3000 Research project have entry requirements, as noted in the Teaching and Examination Regulations.

### Year 2: Variant courses

Choose one variant: Multimedia, Data or Systems

	Variant course A	Variant course B	Variant course C
Multimedia	CSE2220 Signal Processing	CSE2225 Image Processing	CSE2230 Multimedia Analysis
Systems	CSE2420 Digital Systems	CSE2425 Embedded Software	CSE2430 Operating Systems
Data	CSE2520 Big Data Processing	CSE2525 Data Mining	CSE2530 Computational Intelligence

### Learning Paths

Mathematics	Systems	Models	Elective
Software	Data & AI	Multimedia	Minor

