

#	Module Name	Bachelor of Science (Honours) in			
		Computer Science	Computer Science (Data Science)	Computer Science (Machine Learning and Artificial Intelligence)	Computer Science (Web and Mobile Development)
1	3D Graphics and Animation	◆	◆	◆	✓
2	Advanced Web Development	◆	✓	◆	✓
3	Agile Software Projects	✓	✓	✓	✓
4	Algorithms and Data Structures I	✓	✓	✓	✓
5	Algorithms and Data Structures II	✓	✓	✓	✓
6	Artificial Intelligence	◆	◆	✓	◆
7	Computer Security	✓	✓	✓	✓
8	Data Science	◆	✓	◆	◆
9	Databases and Advanced Data Techniques	◆	✓	✓	✓
10	Databases, Networks and the Web	✓	✓	✓	✓
11	Discrete Mathematics	✓	✓	✓	✓
12	Final Project	✓	✓	✓	✓
13	Fundamentals of Computer Science	✓	✓	✓	✓
14	Games Development	◆	◆	◆	◆
15	Graphics Programming	✓	✓	✓	✓
16	How Computers Work	✓	✓	✓	✓
17	Intelligent Signal Processing	◆	◆	✓	◆
18	Interaction Design	◆	◆	◆	✓
19	Introduction to Programming I	✓	✓	✓	✓
20	Introduction to Programming II	✓	✓	✓	✓
21	Machine Learning and Neural Networks	◆	✓	✓	◆
22	Mobile Development	◆	◆	◆	✓
23	Natural Language Processing	◆	✓	✓	◆
24	Numerical Mathematics	✓	✓	✓	✓
25	Object Oriented Programming	✓	✓	✓	✓
26	Physical Computing and Internet of Things	◆	◆	◆	◆
27	Programming with Data	✓	✓	✓	✓
28	Software Design and Development	✓	✓	✓	✓
29	Virtual Reality	◆	◆	◆	◆
30	Web Development	✓	✓	✓	✓

Legend: ✓ compulsory modules  
◆ elective modules

Note: Please refer to the programme website or brochure for the module offerings.

#	Module Name	Name of Lecturer	Qualification	Conferring Institution	Teaching Basis (Full Time or Part Time)
1	3D Graphics and Animation	Mr Peh Koon Heng, Ronnie	MSc in Bioinformatics	University of London	Part Time
2	Advanced Web Development	Mr Koh Wee Boon	Master of Engineering	Nanyang Technological University	Part Time
3	Agile Software Projects	Ms Teo Loo See	Master of Technology	National University of Singapore	Part Time
4	Algorithms and Data Structures I	Mr Yeo Sze Wee Aaron	MSc	Nanyang Technological University	Part Time
5	Algorithms and Data Structures II	Mr Yeo Sze Wee Aaron	MSc	Nanyang Technological University	Part Time
6	Artificial Intelligence	Dr Sarita Singh	PhD	SNDT University	Part Time
7	Computer Security	Mr Siongo Japit	MSc	University of Arkansas	Part Time
8	Data Science	Dr Jon Quah Tong Seng	PhD	National University of Singapore	Full Time
9	Databases and Advanced Data Techniques	Mr Tan Kheng Teck	MSc (Communication Software & Networks)	Nanyang Technological University	Part Time
10	Databases, Networks and the Web	Mr Tan Kheng Teck	MSc (Communication Software & Networks)	Nanyang Technological University	Part Time
11	Discrete Mathematics	Dr Syed Mansoor s/o M S Jaffar	PhD	Nanyang Technological University	Part Time
12	Final Project	Dr Jon Quah Tong Seng	PhD	National University of Singapore	Full Time
13	Fundamentals of Computer Science	Mr Koh Chung Haur	MSc	National University of Singapore	Part Time
14	Games Development	Mr Peh Koon Heng, Ronnie	MSc in Bioinformatics	University of London	Part Time
15	Graphics Programming	Mr Yeo Sze Wee Aaron	MSc	Nanyang Technological University	Part Time
16	How Computers Work	Mr Koh Chung Haur	MSc	National University of Singapore	Part Time
17	Intelligent Signal Processing	Mr Peh Koon Heng, Ronnie	MSc in Bioinformatics	University of London	Part Time
18	Interaction Design	Ms Ho Su Khim Sharlin	Master of Business Administration	The University of Nottingham	Part Time
19	Introduction to Programming I	Mr Tian Sion Hui	Master of Technology (Knowledge Engineering)	National University of Singapore	Part Time
20	Introduction to Programming II	Mr Tian Sion Hui	Master of Technology (Knowledge Engineering)	National University of Singapore	Part Time
21	Machine Learning and Neural Networks	Dr Sarita Singh	PhD	SNDT University	Part Time
22	Mobile Development	Mr Koh Wee Boon	Master of Engineering	Nanyang Technological University	Part Time
23	Natural Language Processing	Dr Sarita Singh	PhD	SNDT University	Part Time
24	Numerical Mathematics	Dr Syed Mansoor s/o M S Jaffar	PhD	Nanyang Technological University	Part Time
25	Object Oriented Programming	Mr Yeo Sze Wee Aaron	MSc	Nanyang Technological University	Part Time
26	Physical Computing and Internet of Things	Dr Jon Quah Tong Seng	PhD	National University of Singapore	Full Time
27	Programming with Data	Mr Tian Sion Hui	Master of Technology (Knowledge Engineering)	National University of Singapore	Part Time
28	Software Design and Development	Ms Teo Loo See	Master of Technology	National University of Singapore	Part Time
29	Virtual Reality	Mr Peh Koon Heng, Ronnie	MSc in Bioinformatics	University of London	Part Time
30	Web Development	Mr Koh Wee Boon	Master of Engineering	Nanyang Technological University	Part Time