

Curriculum B-AM&TCS for cohort 2026

First year

Course code	Name	EC	Division
	<i>Q1.1A</i>		
202200141	Linear Structures 1	5	AM
202500460	Analysis 1	5	AM
202500331	Software Diamond	3	TCS
202500332	Information Diamond	3	TCS
202500333	Hardware Diamond	3	TCS
202600096	Cybersecurity and Law Diamond	3	TCS
	<i>Q1.1B</i>		
202200236	Linear Structures 2	4	AM
202400660	Analysis 2	6	AM
202500342	Introduction to Programming	3	TCS
202500343	Advanced Programming	3	TCS
202500344	Software System Implementation Project	3	TCS
	<i>Q1.2A</i>		
202500559	Signals and Transforms	5	AM
202001344	Probability Theory for AM	5	AM
202500346	Network Systems Part 1	3	TCS
202500347	Network Systems Part 2	3	TCS
202500348	Network Systems Part 3	3	TCS
202400362	Network Systems Project	3	TCS
	<i>Q1.2B</i>		
202200241	Numerical Mathematics	5	AM
202200242	Differential Equations	5	AM
202500351	Secure Web Development	3	TCS
202500352	Databases	3	TCS
202400444	Data & Information Project DD AM-TCS	4	TCS

Second year

Course code	Name	EC	Division
	<i>Q2.1A</i>		
202600381	Mathematical Statistics 1	7	AM
202500356	Computer Architecture and Organisation	4	TCS
202500357	Operating Systems	4	TCS
202500358	Computer Systems Project	4	TCS
	<i>Q2.1B</i>		
202300026	Mathematical Statistics 2	5	AM
202600060	Linear Optimisation	5	AM
202600106	AI and ML Theory	3	TCS
202600107	AI and ML Practice	3	TCS
202600108	UX Theory	2	TCS
202600109	Design of Interactive Tech Project	4	TCS
	<i>Q2.2A</i>		
202500366	Algorithmic Discrete Mathematics	3	AM&TCS
202600412	Algorithms and Data Structures	2	AM&TCS
202500368	Languages & Machines	3	AM&TCS
202600413	Algebra	4	AM&TCS
202001363	Implementation Project on Graph Isomorphism	3	AM&TCS
202300156	Modelling 2	4	AM
	<i>Q2.2B</i>		
202200336	Markov Chains	4	AM
202200337	Stochastic Models	4	AM
202200338	Stochastic Simulation	4	AM
202200339	Project Stochastic Models in Practice	3	AM
202300157	Modelling 3	4	AM

Third year

Course code	Name	EC	Division
	<i>Q3.1A</i>		
202300017	Analysis 3	5	AM
202400633	Reflection 2 ^a	3	AM
202600121	Data Quality and Ethics	3	TCS
202200021	Machine Learning for Datatypes	3	TCS
202200024	DS&AI Project	4	TCS
202600125	Explainable AI	2	TCS
	<i>Elective courses (TCS, 1 of 2):</i>	3	TCS
202600123	Advanced Machine Learning		
t.b.a.	Knowledge Representation and Reasoning Advanced		
	<i>Q3.1B</i>		
	Minor selection ^{bc}	15	AM&TCS
	<i>Q3.2A</i>		
202400631	Graph Theory	4	AM
202400006	Design Project	15	TCS
	<i>Q3.2B</i>		
201500405	Complex Function Theory	3	AM
202400348	Reflection 3 ^{cd}	2	AM
202001385	Bachelor's Assignment Double Degree ^{cd}	15	AM&TCS

^aStudents may only participate in Reflection 2 once they have passed all the study units of eight quartiles, including all of year 1.

^bBefore starting (part of) a minor, the student must have completed all first-year study units.

^cStudents have the option to do Reflection 3 and the Bachelor's Assignment Double Degree in quartile 1B and move the Minor to quartile 2B.

^dThe student can only participate in Bachelor's Assignment Double Degree and Reflection 3 after passing the study unit Reflection 2.