

# Curriculum B-AM&TCS for cohort 2022

## B1 (first year, academic year 2022-2023)

Course name	Q	EC	Division
Linear Structures 1	1A	5	AM
Analysis 1	1A	5	AM
Pearls of Computer Science Core	1A	11	TCS
Linear Structures 2	1B	4	AM
Analysis 2	1B	6	AM
Programming Theory & Project	1B	8	TCS
Signals and Transforms	2A	5	AM
Probability Theory AM	2A	5	AM
Network Systems Core	2A	12	TCS
Numerical Mathematics	2B	5	AM
Differential Equations	2B	5	AM
Data & Information Core	2B	10	TCS
Entire academic year:		81	EC

## B2 (second year, academic year 2023-2024)

Course name	Q	EC	Division
Mathematical Statistics 1	1A	7	AM
Computer Systems Core	1A	12	TCS
Mathematical Statistics 2	1B	5	AM
Optimization	1B	5	AM
Intelligent Interaction Design Core	1B	12	TCS
Algorithmic Discrete Mathematics	2A	5	AM/TCS
Languages & Machines	2A	3.5	AM/TCS
Algebra	2A	3.5	AM/TCS
Implementation Project on Graph Isomorphism	2A	3	AM/TCS
Modelling 2	2A	4	AM
Stochastic Models	2B	5	AM
Project: Stochastic Models	2B	1.5	AM
Markov Chains	2B	2.5	AM
Project: Stochastic Simulation	2B	4	AM
Multidisciplinary Project	2B	2	AM
Modelling 3	2B	4	AM
Entire academic year:		79	EC

### B3 (third year, academic year 2024-2025)

Course name	Q	EC	Division
Analysis 3	1A	5	AM
Discrete Mathematics (M5)	1A	3	TCS
Reflection 2	1A	3	AM
Master orientation elective	1A	5	AM/TCS
Minor selection	1B	15	AM/TCS
Graph theory	2A	4	AM
Design Project Core	2A	15	TCS
Bachelor's Assignment Double Degree	2B	15	AM/TCS
Reflection 3	2B	2	AM
Complex Function Theory	2B	3	AM
Entire academic year:		70	EC

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