Applied Mathematics

Home Department: Mathematical Sciences, Applied Mathematics Division Faculty of Science

Description of focal area

Applied mathematics looks at real world applications of mathematical methods in fields such as science, engineering, business, computer science and industry. It is therefore a combination of mathematics, science and domain knowledge.

BDatSci			
Focal area: Applied Mathematics			
First year (120/128 credits)	Second year (128 credits)	Third year (128 credits)	Fourth year (132 credits)
Compulsory modules Computer Science 113/114(16), 144(16) Data Science 141(16) Mathematics 114(16), 144(16) Probability Theory and Statistics 114(16) Applied Mathematics 144(16) Plus one of Actuarial Science 112(8) or Physics 114(16)	Compulsory modules Data Science 241(16) Computer Science 214(16), 244(16) Mathematics 214(16) Mathematical Statistics 214(16), 245(8), 246(8) Applied Mathematics 214(16), 244(16)	Compulsory modules Mathematical Statistics 312(16) Computer Science 315(16), 343(16) Data Science 316(16), 346(16) Applied Mathematics 314(16), 354(16), 364(16)	Compulsory modules Introduction to Statistical Learning 441(12) Numerical Methods 476(16) Graph theory 482(16) Computer vision 492(16) Digital image processing 493(16) Machine Learning 441(16) Data Science research in Applied Mathematics 471(40)