

Geoinformatics

Home Department: Geography and Information Science

Faculty of Arts and Social Sciences

Description of focal area

Geoinformatics is the science and technology dealing with the structure and character of spatial information, its capture, its classification and qualification, its storage, processing, portrayal and dissemination.

BDatSci			
Focal area: Geoinformatics			
First year (120/128 credits)	Second year (128 credits)	Third year (128 credits)	Fourth year (142 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) Mathematics 214(16) Mathematical Statistics 214(16), 245(8), 246(8) Geographical Information Technology 211(16), 241(16) Elective module Computer Science 244(16) or Mathematics 244(16)	Compulsory modules Mathematical Statistics 312(16) Computer Science 315(16), 343(16) Data Science 316(16), 346(16) Geographical Information Technology 312(16), 342(16), 341(16)	Compulsory modules Data Science research in Geoinformatics 471(40) Introduction to Statistical Learning 441(12) Geographical information science research application 441(30) plus two of: Geographical information Science 441(30) Spatial modelling and geographical communication 441(30) Advanced remote sensing 441(30)