

BDatSci First year registration

Focal areas

- **AM: Applied mathematics (Faculty of Science)**
- **AO: Analytics and Optimisation (Faculty of Economic and Management Sciences (EMS))**
- **BE: Behavioural Economics (Faculty of Economic and Management Sciences (EMS))**
- **CS: Computer Science (Faculty of Science)**
- **GI: Geoinformatics (Faculty of Arts and Social Sciences)**
- **SG: Statistical Genetics (Faculty of AgriSciences)**
- **SL: Statistical Learning (Faculty of Economic and Management Sciences(EMS))**
- **SP: Statistical Physics (Faculty of Science)**

DO NOT REGISTER FOR ANY EXTRA MODULES OR MODULES IN OTHER FOCALS

Flexible focal areas – recommended Faculty indicated after Focal area

Focus: AO, BE and SL (120 credits) - EMS

Mathematics 114 and 144
Probability Theory and Statistics 114
Data Science 141
Computer Science 114 and 144
Economics 114 and 144

Focus: AO, AM, GI and SL (120 credits) - EMS

Mathematics 114 and 144
Probability Theory and Statistics 114
Data Science 141
Computer Science 113 and 144
Actuarial Science 112
Applied mathematics 144

Focus: AM and GI (128 credits) - Science

Mathematics 114 and 144
Probability Theory and Statistics 114
Data Science 141
Computer Science 114 and 144
Physics 114
Applied mathematics 144

Fixed focal areas – recommended Faculty after Focal area

Focus: CS (120 credits) - Science

Mathematics 114 and 144
Probability Theory and Statistics 114
Data Science 141
Computer Science 113 and 144
Actuarial Science 112
Mathematics 154

Focus: SG (128 credits) - AgriSciences

Mathematics 114 and 144
Probability Theory and Statistics 114
Data Science 141
Computer Science 113 and 144
Applied mathematics 144
Biology 124

Focus: SP (128 credits) - Science

Mathematics 114 and 144
Probability Theory and Statistics 114
Data Science 141
Computer Science 114 and 144
Physics 114 and 144

Preferred Contact email: datascience@sun.ac.za

For focal area specific

Faculty of Economic and Management Sciences (EMS)

Statistical learning: Prof Paul Mostert (pjmos@sun.ac.za) or Prof Danie Uys (dwu@sun.ac.za)

Behavioural Economics: Prof Rulof Burger (rulof@sun.ac.za)

Analytics and Optimisation: Prof Stephan Visagie (svisagie@sun.ac.za)

Faculty of Science (SC)

Computer Science: Prof Steve Kroon (kroon@sun.ac.za)

Applied Mathematics: Prof Willie Brink (wbrink@sun.ac.za)

Statistical Physics: Prof Kristian Muller-Nedebock (kkmn@sun.ac.za)

Faculty of Arts and Social Sciences (ASS)

Geoinformatics: Dr Zahn Munch (zmunch@sun.ac.za)

Faculty of AgriSciences (Agri)

Statistical Genetics: Prof Clint Rhode (clintr@sun.ac.za)

Registration queries at each Faculty:

EMS: Ms Lauren Delport (laurend@sun.ac.za)

SC: Ms Lauren Oreat (laureno@sun.ac.za)

ASS: Ms Cheryl Richardson (cherylr@sun.ac.za)

Agri: Mr Erik van Zyl (erik@sun.ac.za)

BDatSci: <https://www.su.ac.za/en/faculties/economy/departments/data-science/>