STRATHCLYDE BUSINESS SCHOOL

DEPARTMENT OF ECONOMICS

ECONOMICS, DATA SCIENCE AND ARTIFICIAL INTELLIGENCE

Master of Science in Economics, Data Science and Artificial Intelligence
Postgraduate Diploma in Economics, Data Science and Artificial Intelligence
Postgraduate Certificate in Economics, Data Science and Artificial Intelligence

These regulations are to be read in conjunction with General Academic Regulations - Postgraduate Taught Degree Programme Level.

Admission

1. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, applicants shall possess:

   i. an upper second-class (2.1) undergraduate Honours degree or above.
   ii. a lower second class (2.2) degree with demonstrable work experience, considered on an individual basis; or
   iii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) or (ii) above.

2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

Duration of Study

3. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.

Mode of Study

4. The programme is available by full-time study only.

Place of study

5. In accordance with the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required.

Curriculum

6. All students shall undertake an approved curriculum as follows:

   a. for the Postgraduate Certificate no fewer than 60 credits
   b. for the Postgraduate Diploma no fewer than 120 credits
   c. for the degree of MSc no fewer than 180 credits including a summer project.

Compulsory Modules

Module Code	Module Title	Level	Credits
EC948	Fundamentals of Macroeconomics	5	10
EC953	Fundamentals of Microeconomics	5	10
EC988	Data Analytics I: Essentials in Economics and Finance	5	20
CS801	Quantitative Methods for AI	5	10

EC951	Analysis of Economic Data	5	20
EC9X1	Artificial Intelligence: Economic Fundamentals	5	10
EC989	Data Analytics II: Advances in Economics and Finance	5	20
EC976	Energy Finance and Forecasting	5	10

Optional Modules

No fewer than 30 credits chosen from:

Module Code	Module Title	Level	Credits
EC928	Energy Economics	5	10
EC978	Natural Resources, Sustainability and Governance	5	10
EC927	Environmental Economics	5	10
EC954	Economic Appraisal and Modelling	5	20
EC949	International Macroeconomics	5	10
EC947	Topics in Public Economics	5	10
EC961	Economics of Inequality and Inclusive Growth	5	10
EC974	Climate Change Economics	5	10
EC982	Health Economic Policy	5	10
CS989	Big Data Fundamentals	5	10
CS814	AI for Autonomous Systems	5	20
CS986*	Fundamentals of Machine Learning for Data Analytics	5	10
CS815	AI for Finance	5	20

*Students without a programming background who take CS986 normally should complete (a) CS989 or (b) CS814 as a prerequisite.

Or other modules approved by the Programme Director.
Not all optional modules on this list will be available in each academic year.

Students for the degree of MSc only:

Module Code	Module Title	Level	Credits
EC995	Summer Project in Economics, Data Science and AI	5	40

Examination, Progress and Final Assessment

7. The General Academic Regulations - Postgraduate Taught Degree Programme

Level shall apply.

8. The final award will be based on performance in the assessments, coursework and the summer project where undertaken.

Award

9. **Degree of MSc:** In order to qualify for the award of the degree of MSc Economics, Data Science and Artificial Intelligence a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 40 must have been awarded in respect to EC9X2 Summer Project in Economics, Data Science and AI.

10. **Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Economics, Data Science and Artificial Intelligence a candidate must have accumulated no fewer than 120 credits from the programme curriculum.

11. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Economics, Data Science and Artificial Intelligence a candidate must have accumulated no fewer than 60 credits from the programme curriculum.