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Training

University of **Strathclyde** Science

MSc Summer Project Placement Scheme

Overview

What is it?

University of Strathclyde students on the MScs *Actuarial Sciences* and *Quantitative Finance* (see overleaf) undertake a summer project as part of the MSc. We offer opportunities for summer projects to be co-supervised by industry and based on real business problems that require the application of quantitative skills. Known as *Summer Project Placements*, these help our students transition to professional life.

What are the benefits?

Benefits to companies offering Summer Project Placements can include:

- expertise applied to a business problem
- a route to recruitment of talented graduates
- developing a relationship with the University.

Students benefit from work experience and the university benefits from having employable graduates and relationships with companies.

Key features

- Projects from late May to early September
- Industry supervision levels can vary to suit the project and supervisor
- Companies submit project proposals to the University
- Students select and apply for projects; Industry Supervisors interview students and select the best match
- Students submit a project plan, final report and presentation.
- Using feedback from the Industry Supervisor, the Academic Supervisor marks the student's project

What to do next

To request an information pack and forms, or speak to someone about the scheme, please contact **Ian Dwyer** by email at **ian.dwyer@strath.ac.uk.**

For projects running in summer 2022, project proposals from industry need to be received by mid-January 2022.

University of
Strathclyde
Science

MSc Course Descriptions

Actuarial Science
MSc/PgDip/PgCert

Course Structure
This cross-faculty programme is delivered in collaboration with Strathclyde Business School.

Compulsory Classes
- Foundations of Probability and Statistics
- Principles of Finance
- Inference and Regression Modelling
- Fundamentals of Macroeconomics
- Fundamentals of Microeconomics

Optional Classes
- Behavioural Finance
- Security Analysis
- Portfolio Theory and Management
- Risk Management for Banks
- Financial Econometrics
- Financial Stochastic Processes
- Quantitative Risk Analysis
- Bayesian Spatial Statistics
- Risk Analysis and Management
- Others from Economics and Computer Science

Quantitative Finance
MSc

Course Structure
This cross-faculty programme draws on expert input from three departments – Accounting & Finance, Mathematics & Statistics, and Computer & Information Sciences.

Compulsory Classes
- Foundations of Mathematical and Statistical Finance
- Principles of Finance
- International Financial Markets and Banking
- Big Data Technologies

Optional Classes
- Behavioural Finance
- Security Analysis
- Portfolio Theory and Management
- Derivatives and Treasury Management
- Database and Web Systems Development
- Machine Learning for Data Analytics
- Evolutionary Computation for Finance
- Financial Stochastic Processes
- Financial Econometrics
- Networks in Finance

Additional skills

- Students are trained in critical thinking
- Students learn various statistical software and programming languages including 'R' and Python