Quant Programmer

MATHS

- calculus
- linear algebra
- probability & statistics

Programming

- C++
- Python

Finance

- options and futures
- Risk management
- financial modelling
- Asset & derivative pricing
- Capital Asset Pricing model

Econometrics

- cointegration
- Volatility modelling
- Forecasting
- Regression Analysis
- Time series Analysis
- Panel data Analysis

QUANTS

26/05/25

Maths
Probability and Statistics
linear algebra
Calculus

Econometrics
Regression Analysis
Time series Analysis
Panel Data Analysis
Cointegration
Volatility Modelling
Forecasting

Quantitative Finance
Algorithm Trading
High Frequency Trading
Statistical Arbitrage
Portfolio Optimization
Backtesting
Risk & Money Management

Programming
C++, Python

Finance
options & futures
Risk Management
Financial Modelling
Capital Asset Pricing Model
Asset & Derivative Pricing

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Derivatives Pricing

- finite difference methods
- • Black Scholes model
  • Binomial options pricing model
- Pricing derivatives