MATH:

- <u>Calculus (Single variable/multivariable/advanced calculus)</u>

BUSI 3119: Advanced Calculus for Business, Economics and Finance (In progress)

BUSI 2105: Quantitative Methods 2A

BUSI 1074: Quantitative Methods 1b

Imperial College London on Coursera: Mathematics for Machine Learning: Multivariate Calculus

- <u>Linear Algebra</u>

BUSI 3119: Advanced Calculus for Business, Economics and Finance (In progress)

BUSI 2105: Quantitative Methods 2A

Imperial College London on Coursera: Mathematics for Machine Learning: Linear Algebra

- <u>Differential Equations</u>

BUSI 3119: Advanced Calculus for Business, Economics and Finance (In progress)

BUSI 2105: Quantitative Methods 2A

- <u>Numerical Analysis</u>

BUSI 3124: Stochastic Calculus and Numerical Analysis (In progress)

STATISTICS:

- <u>Probability</u>

BUSI 2105: Quantitative Methods 2A

BUSI 1074: Quantitative Methods 1b

MITx 6.431x: Probability - The Science of Uncertainty and Data (MITx MicroMasters)

- <u>Mathematical Statistics & Statistical Inference</u>

BUSI 2105: Quantitative Methods 2A

BUSI 1074: Quantitative Methods 1b

MITx 18.6501x: Fundamentals of Statistics (MITx MicroMasters)

MITx 6.431x: Probability - The Science of Uncertainty and Data (MITx MicroMasters)

- <u>Stochastic Processes</u>

BUSI 3124: Stochastic Calculus and Numerical Analysis (In progress)

National Research University Higher School of Economics on Coursera: Stochastic Processes

- <u>Time Series</u>

BUSI 3110: Applied Econometrics (In progress)

BUSI 2001: Introductory Econometrics

Datacamp: Time Series Analysis in Python & Manipulating Time Series Data in Python

- Operations Research

BUSI 2124: Introduction to Management Science for Business Decisions

- Optimization

MITx 15.071x: The Analytics Edge

PROGRAMMING:
- Machine Learning

BUSI 3122: Introduction to Data Science: Big Data Analytics in Business (In progress)
MITx 6.86x: Machine Learning with Python: From Linear Models to Deep Learning
MITx 14.310x: Data Analysis for Social Scientists

- Python

MITx 6.00.1x: Introduction to Computer Science and Programming Using Python
Datacamp: Data Scientist with Python (Career track, 6/23 courses completed)

- R

MITx 15.071x: The Analytics Edge
HarvardX Professional Certificate Program in Data Science (R)

- SQL

BUSI 2018: Database Design and Implementation
Datacamp: SQL Fundamentals (Skill track, 5/5 courses completed)

DATA SCIENCE:
- MITx MicroMasters Program in Statistics and Data Science

MITx 6.431x: Probability - The Science of Uncertainty and Data
MITx 14.310x/Fx: Data Analysis in Social Scientists & Assessing Your Knowledge
MITx 6.86x: Machine Learning with Python: From Linear Models to Deep Learning
MITx 18.6501x: Fundamentals of Statistics
CFx: Capstone Exam in Statistics and Data Science

- HarvardX Professional Certificate Program in Data Science (R)

PH125.1x: Data Science: R Basics
PH125.2x: Data Science: Visualization
PH125.3x: Data Science: Probability
PH125.4x: Data Science: Inference and Modeling
PH125.5x: Data Science: Productivity Tools
PH125.6x: Data Science: Wrangling
PH125.7x: Data Science: Linear Regression
PH125.8x: Data Science: Machine Learning
PH125.9x: Data Science: Capstone

- Datacamp: Data Scientist with Python