

Area Electives (15-21 credits)

DA

5 courses from the specified elective list, of which all 5 courses should be taken from the same area.

Financial Engg. any 5 courses [15]:

IEDA3330,
IEDA4331,
IEDA4500,
IEDA4510,
IEDA4520,
ISOM4840

Consulting Services any 5 courses [15]:

IEDA3460,
IEDA4000,
IEDA4100,
IEDA4180,
IEDA4410,
IEDA4420,
IEDA4510.

IEEM

7 courses from the specified elective list

Any 7 courses [21]:

IEDA2100, IEDA2410,
IEDA3130, IEDA3270,
IEDA3302, IEDA3410,
IEDA3460, IEDA4000,
IEDA4180, IEDA4200,
IEDA4410

Total Program Requirements (including Ucore, without double-count): 120 credits

Pre-requisite —————>
Co-requisite - - - - ->

Major Requirement of :
DA **IEEM**
All IEDA students

Fall Offering	Winter/ Summer Offering
Spring Offering	
Offering in both semesters	

FYP/Thesis (6 credits)

Final Year Thesis/
DA FYP [6]
IEDA4901/4920

Final Year Thesis/
IEEM FYP [6]
IEDA4901/4960

Major Specializations (3-6 credits)

Predictive Analytics
[3] IEDA3560

Sys. Simulation
[3] IEDA4130

Integrated Prod. Sys.
[3] IEDA4100

Core (24 credits)

APDII [0]
IEDA1020

Microeconomics
[3] ECON2103/2113

Stochastics Models
[3] IEDA3250

Prescriptive Analytics
[3] IEDA3010

APDI [0]
IEDA1010

Industrial Data Sys
[3] IEDA3300

Stat. for Engineers
[3] IEDA2540

Engg. Econ & Acct
[3] IEDA3230

Intro. to IEDA
[3] IEDA 2010

Prob. for Engineers
[3] IEDA2520

Industrial Training
[0] IEDA1901

Engg. Fundamentals (16-20 credits)

Phys. I [3]
PHYS1112/1312

Or

Chem. I [3]
CHEM1012

Intro. to Comp [3-5]
IEDA1180/
COMP1023/
COMP2011/
COMP2012H

Calculus II [3]
MATH1014/1024

Calculus I [3]
MATH1013/1023

Acc. Calculus [4]
MATH1020

Matrix Algebra &
App. [3] MATH2111

Multivariable Calculus
[3] MATH2011

For 2026/27 cohort onwards
(As of Jul 2026)