

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]:

IEDA3180,
IEDA3330,
IEDA4331,
IEDA4500,
IEDA4510,
IEDA4520,
ISOM4840

Consulting Services any 5 courses [15]:

IEDA3302,
IEDA3460,
IEDA4100,
IEDA4180,
IEDA4410,
IEDA4420,
IEDA4510

IEEM

7 courses from the specified elective list, of which at least 5 courses should be taken from 1 of the two areas, and at least 2 courses outside that area.

Gp 1 EM Area 5 courses [15]:

IEDA2100,
IEDA3130,
IEDA3302,
IEDA4180,
IEDA4200

Gp 2 LM Area 5 courses [15]:

IEDA2410,
IEDA3410,
IEDA3460,
IEDA3901,
IEDA4200,
IEDA4410

Total Program Requirements (including Ucore, without double-count): 105-120 credits

Pre-requisite →
Co-requisite - - - - - →

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

Fall Offering	Winter/ Summer Offering
Offering in both semesters	

FYP/Thesis (6 credits)

Final Year Thesis/
IEDA 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

Tech. Comm. II
[3] LANG4032

APDI [0]
IEDA1010

Industrial Data Sys
[3] IEDA3300

Stat. for Engineers
[3] IEDA2540

Engg. Econ & Acct
[3] IEDA3230

Engg. Seminar Series
[0] ENGG2010

Prob. for Engineers
[3] IEDA2520

Industrial Training
[0] IEDA1901

Engg. Fundamentals (22-27 credits)

Phys. I [3]
PHYS1112/1312

Or

Chem. I [3]
CHEM1010/1020

Intro. to Comp [3-4]
COMP1021/1022P/
2011

Engg. Intro [3-4]
SENGXXXX

Acad. Orientation[0]
ENGG1010

Calculus II [3]
MATH1014/1024

Calculus I [3-4]
MATH1012/1013/1023

Acc. Calculus [4]
MATH1020

Matrix Algebra &
App. [3] MATH2111

Multivariable Calculus
[3] MATH2011

Tech. Comm. I
[3] LANG2030

(As of Jul 2022)

*Elective lists are subject to approval