Degree in Bachelor of Engineering (Information Engineering & Media) Programme with a Second Major in Business (AY2017 Cohort)

AU Requirement Table (Professional Internship)

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Curriculum Structure

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** Note:** Choose one from the list below:
- BE1401 - Business Operations and Processes or
- AB1401 - Information Technology + AB1402 - Foundational Excel

** **Note:**
- * Students without A-level Physics will read PH1012 Physic A (4 AU(s)).
- # IEM students are waived of its pre-requisite (HW0188), on condition that they pass CS0204.

NOTE:
- * Students without A-level Physics will read PH1012 Physic A (4 AU(s)).
- # IEM students are waived of its pre-requisite (HW0188), on condition that they pass CS0204.
# Curriculum Structure

## DEGREE IN BACHELOR OF ENGINEERING (INFORMATION ENGINEERING & MEDIA) PROGRAMME WITH A SECOND MAJOR IN BUSINESS (AY2017 Cohort)

## AU Requirement Table (Professional Attachment)

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## Courses

### YEAR 1 SEMESTER 1
- **MH1810** Mathematics I Core 3
- **FE1008** Computing Core 3
- **PH1011** Physics Core 3
- **DA1000** Thinking and Communicating Visually I (ADM) Core 3
- **AD1101** Finance Accounting UE 4
- **AB1201** Financial Management UE 3
- **GC0001** Introduction to Sustainability: Multidisciplinary Approaches and Solutions GC 1

**TOTAL 20**

### YEAR 1 SEMESTER 2
- **MH1811** Mathematics II C 3 MH1810*
- **IM1002** Analog Electronics C 3 [with LAB]
- **IM1003** Object-Oriented Programming C 3
- **CS2024** Basic Media Writing (SC) GC 3 [formerly COM204]
- **AB1501** Marketing UE 3
- **BUSINESS FOUNDATION CORE** ** UE 4
- **ML0001** Absolute Basics in Career GC 1

**TOTAL 20**

**Note:** Choose one from the list below:
- **BE1401** - Business Operations and Processes or
- **AB1401** - Information Technology + AB1402 - Foundational Excel

### YEAR 2 SEMESTER 1
- **IM1001** Data Structures & Algorithms C 4 [with LAB]
- **IM0402** Digital Electronics C 4 [with LAB]
- **IM2001** Software Engineering C 3
- **IM2006** Engineering Mathematics I C 4 MH1811
- **CS2006** Theories of Visual Communication and their Applications (SCI) GC 3
- **HY0001** Ethics and Moral Reasoning GC 1

**TOTAL 19**

### YEAR 2 SEMESTER 2
- **IM0404** Engineers & Society GC 3
- **IM2003** Computer Communications C 3 [with LAB]
- **IM2007** Engineering Mathematics II C 4 MH1811
- **IM2073** Introduction to Design & Project C 2
- **DA2002** Thinking and Communicating Visually II (ADM) C 3
- **AB0901** Principles of Economics: A Singapore Perspective UE 3
- **GER-UE 1** UE 2

**TOTAL 20**

### YEAR 3 SEMESTER 1
- **IM2002** Microprocessors C 4 [with LAB]
- **IM2004** Signals and Systems C 4 MH1810 & MH1811
- **IM3003** Information Security C 3
- **IM3080** Design & Innovation Project C 2
- **AB1301** Business Law UE 3
- **ETO001** Enterprise and Innovation GC 1
- **ML0002** Career Power UP! GC 1 ML0001

**TOTAL 18**

### YEAR 3 SEMESTER 2
- **IM3001** Digital Signal Processing C 3 IM2004 [with LAB]
- **IM3002** Communication Principles C 3 IM2004 [with LAB]
- **DA3000** Thinking and Communicating Visually III (ADM) C 3
- **AB1601** Organisational Behaviour & Design UE 3
- **HW0288** Engineering Communication II GC 2 HW0188*
- **GER-UE 2** UE 3

**TOTAL 17**

### YEAR 3 SPECIAL TERM (MAY - JULY)
- **IM3276** Professional Attachment C 5

### YEAR 4 SEMESTER 1
- **IM4080** Final Year Project C 4
- **IM4XXX** Design Elective 1 P 2
- **IM4XXX** Technical Elective 1 P 3
- **BUSINESS TRACK COURSE 1** UE 4
- **BUSINESS TRACK COURSE 2** UE 4

**TOTAL 17**

### YEAR 4 SEMESTER 2
- **IM4080** Final Year Project C 4
- **IM4XXX** Design Elective 2 / Technical Elective 4 P 2
- **IM4XXX** Technical Elective 2 P 3
- **IM4XXX** Technical Elective 3 P 3
- **BUSINESS TRACK COURSE 3** UE 4

**TOTAL 16**

**Note:**
- * Students without A-level Physics will read PH1012 Physic A (4 AUs).
- # IEM students are waived of its pre-requisite (HW0188), on condition that they pass CS0204.
**FINAL YEAR DESIGN/TECHNICAL ELECTIVES (IEM MAJOR-PE)**

Students are required to choose 1 Design Elective and 4 Technical Electives, or 2 Design Electives and 3 Technical Electives.

### Design Electives

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Students should not take more than 2 courses from the following group of Technical Electives:

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^ Vacancy is subject to availability

http://www.eee.ntu.edu.sg/programmes/CurrentStudents/undergraduate/undergraduatefull-time/Pages/Home.aspx

**Note:** Certain Major-PEs may be offered as GER-PE / GER-UE. Re-classification of course type from GER-UE / GER-PE to Major-PE (and vice versa) after course registration are not allowed.