



CERTIFICATE OF MINOR MODULE COMPLETION INFORMATION AND COMMUNICATION ENGINEERING

(International Program)

APPLY NOW!

**UNTIL JANUARY 4, 2026
10 SEATS AVAILABLE**

SUBMIT HERE

**OR
SCAN**



**Earn the certificate by
completing 15 credits**

Compulsory Course (9 credits):

(Take the following 3 courses)

- 2143101 Introduction to ICE
- 2182371 Principles of Data Communication
- 2190101 Computer Programming
- 2190103 Advanced Computer Programming
(Pre-requisite: 2190101)

- If 2190101 is a compulsory course in your major, you must take 2190103 instead.
- Students who have already enrolled in course 2190101 are not eligible to earn credits toward the minor program requirements, and must take 2190103 instead.

Approved Elective Course (3 credits):

(Take 1 from the following courses)

- 2184305* Technology Management
- 2184301 Engineering Economy and Applications
- 2143423 High Technology Entrepreneurship

* Open in Academic Year 2026

Elective Course (3 credits):

(Take 1 from the following courses)

- 2190103 Advanced Computer Programming
(Pre-requisite: 2190101)
- 2190222 Fundamental Data Structure and Algorithm
(Pre-requisite: 2190101)
- 2190250 Computer Architecture and Organization
- 2190423 Software Engineering
- 2190426 Database Systems
- 2190512 Application Development
- 2190514 Artificial Intelligence
- 2190518 Data Engineering and Big Data
(Pre-requisite: 2190101)
- 2182372 Principles of Telecommunications
- 2190472 Netcentric Architecture
(Pre-requisite: 2190101)
- 2190443 User Interface Design



Class Schedule: [Click Here](#) or ----->

QUALIFICATIONS

- Students in **International engineering programs** (ADME, AERO, NANO, ROBOTICS AI, SEMI, ChPE)
- **Second year** or above
- Minimum GPAX of **3.25**
- Must submit **study plan**
- Selection **based on the order** of submission of completed application

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