

## Course Requirements

### □ Undergraduate Program

General Course			Basic Course			Major Course			Elective Course	Research	Total
Mandatory	Elective	Subtotal	Mandatory	Elective	Subtotal	Mandatory	Elective	Subtotal			
7 (8 AU)	21	28 (8 AU)	23	9	32	18	24	42	0	5	130

#### A. Graduation Credits

At least 130 credits in total

#### B. General Course Requirements: At least 28 credits

- Mandatory General Course: 7 credits and 8 AU (1 AU means 1 hour activity / work a week for a semester)
  - English I, English II, Writing Course : 7 credits
  - Community service (4 AU : 64 hours), Physical Education (4 AU : 64 hours) : AU is not counted for GPA but required for graduation.
- Elective General Course in Humanities & Social Science: at least 21 credits (at least 7 courses).
  - At least 1 course in each of 5 divisions: Science Technology; Literature and Art; History and Philosophy; Social Science; Foreign Language and Linguistics.

#### C. Basic Course Requirements: at least 32 credits

- Mandatory Basic Course: 23 credits (Take 1 course from each of the following 9 categories).
  - ① 1 course: Fundamental Physics I (3), General Physics I (3), or Advanced Physics I (3).
  - ② 1 course: Fundamental Physics II (3), General Physics II (3), or Advanced Physics II (3).
  - ③ 1 course of General Physics Lab I (1).
  - ④ 1 course of Basic Biology (3) or General Biology (3)
  - ⑤ 1 course of Differential & Integral I (3) or Advanced Differential & Integral I (3)
  - ⑥ 1 course of Differential & Integral II (3) or Advanced Differential & Integral II (3)
  - ⑦ 1 course: Basic Chemistry (3), General Chemistry I (3) or Advanced Chemistry (3)
  - ⑧ 1 course of General Chemistry Lab I (1) or Advanced Chemistry Lab II (1)
  - ⑨ 1 course of Basic Programming (3) or Advanced Programming (3)
- Elective Basic Course: at least 9 credits

#### D. Major Course Requirements: at least 42 credits

- Mandatory Major Course : at least 18 credits
  - Introduction to Bioinformation and Bioelectronics, General Biochemistry, Systems Bioengineering, Computer Systems, Data Structures and Algorithms, Biological Instrumentation Laboratory.
- Elective Major Course : at least 24 credits

#### E. Elective Course Requirements: None.

#### F. Research Course Requirements: at least 5 credits.

- Graduation research (required)
- Individual study: 2 or fewer credits
- Seminar: 2 credit (required)

#### G. English Language Requirement for Graduation

- One of the following requirements should be satisfied for graduation before entering school or while in school:
  - PBT TOEFL (ITP) score : at least 560
  - CBT TOEFL score : at least 220
  - TOEIC score: at least 760
  - TEPS score: at least 670

#### H. Minor and Double Major

- Minor: at least 18 credits
  - Mandatory Major Course: 18 credit

- Double Major: at least 42 credits
  - Major Course: 42 credits

**□ Graduate Programs**

1) Master's Program: at least 36 credits

(at least 24 credits for coursework + at least 12 research credits)

General Course	Major Course		Research (including seminar credits)	Total
	Mandatory	Elective		
3	3	18	12 (2)	36

2) Doctoral Program : at least 72 credits

(at least 42 credits for coursework + at least 30 research credits)

General Course	Major Course		Research (including seminar credits)	Total
	Mandatory	Elective		
3	3	36	30 (2)	72