

## Course Requirements

### □ Undergraduate Course

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	12	33	45	22	3	130

#### A. Graduation Credits

: At least 130 credits in total are required.

#### B. General Courses: At least 28 credits are required.

##### ◦ Mandatory General Courses

: 7 credits (English I, English II, and Writing) and 8 AU (1 AU means 1 hour activity/work a week for a semester).

※ Students who enter school with high a TOEFL score can transfer it to credits for English I or II

: AU is not counted for GPA but required for graduation.

##### ◦ Elective General Courses in Humanities and Social Science

: At least 21 credits (7 courses) are required.

: Take 1 course of each of 5 divisions (15 credits) - Science Technology, Literature and Art, History and Philosophy, Social Science and Foreign Language and Linguistics.

: As for completing courses of Foreign Language and Linguistics division, students should take at least 1 course of a second foreign language.

#### C. Basic Courses: At least 32 credits are required.

##### ◦ Mandatory Basic Courses

: 23 credits are required (take 1 course among 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 Differentials & Integrals I (3) or Advanced Differentials & Integrals I (3)

⑥ 1 course of Differentials & Integrals II (3) or Advanced Differentials & Integrals 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 Courses

: At least 9 credits are required.

#### D. Major Courses: At least 45 credits are required.

##### ◦ Mandatory Major Courses.

: 12 credits (CE201, CE202, CE203, CE303) are required.

##### ◦ Elective Major Courses.

: At least 33 credits are required.

#### E. Elective Courses: At least 22 credits are required.

#### F. Research Courses: At least 3 credits are required (CE490).

#### G. English Language Requirements 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**

- Double Major
  - : Completion of major courses are required (at least 45 credits).
- Minor
  - : At least 21 credits of major courses are required including 12 credits of required major courses.

**□ Master’s Program**

General Course	Major Courses		Research (including seminar credits)	Total
	Mandatory	Elective		
3	6	18	9	36

- A. Graduation Credits: At least 36 credits are required.**
- B. General Courses: 1 course among CC510, CC511 and CC512 (3 credits)**
- C. Mandatory Major Courses**
  - : 2 courses among CE501, CE502, CE503, CE504 and CE505 (6 credits).
- D. Elective Major Courses: At least 18 credits are required.**
- E. Research Courses**
  - : No more than 9 credits are admitted (including 2 seminar credits).
  - : 2 seminar credits are not required for General Scholarship Student.

**□ Doctoral Program**

- A. Graduation Credits: At least 72 credits are required.**
  - : The course credits acquired in Master’s program are approved.

General Course	Major Courses		Research (including seminar credits)	Total
	Mandatory	Elective		
3	6	33* or 39	30	72* or 78

\* for Environmental Engineering Students.

- B. General Courses**
  - : 1 course among CC510, CC511 and CC512 (3 credits).
  - : The course taken in the Master’s program is approved.
- C. Mandatory Major Courses**
  - : 2 courses among CE501, CE502, CE503, CE504 and CE505 (6 credits).
  - : The courses taken in the Master’s program are approved.
- D. Elective Major Courses**
  - : At least 33 credits are required for students majoring in Environmental Engineering.
  - : At least 39 credits are required for students majoring in Structural engineering and Geotechnical engineering.
- E. Research Courses**
  - : At least 30 credits are required (including 2 seminar credits).
  - : 2 seminar credits are not required for General Scholarship Student.