

**Undergraduate Program of Intellectual Creativity Engineering Graduation Requirements for Students Enrolled **After** 2024**

Items	Items																																																						
<p><b>I. Years of Enrollment :</b>                      Minimum Years of Enrollment : 4 years (5 years for Veterinary Medicine)                      Can be extended for 2 more years (excluding 2 years of suspension)</p>	<p><b>IV. Courses Required by College Curriculum: <u>0</u> credits</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:80%;">Course Title</th> <th style="width:10%;">Semester /Year</th> <th style="width:10%;">Credits</th> </tr> </thead> <tbody> <tr><td>1.</td><td></td><td></td></tr> <tr><td>2.</td><td></td><td></td></tr> <tr><td>3.</td><td></td><td></td></tr> <tr><td>4.</td><td></td><td></td></tr> </tbody> </table>	Course Title	Semester /Year	Credits	1.			2.			3.			4.																																									
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<p><b>II. Minimum Graduation Credits Required: <u>129</u> credits (excluding physical education courses).</b></p> <p><b>III. Courses Required by the University Curriculum:</b></p> <ol style="list-style-type: none"> <li>1. Physical Education: <b>2</b> credits, not included in the credits for graduation. Extra taken PE course credits will be counted as from other departments, and are limited to a maximum of 2 credits. Athletes with outstanding sports achievements will be handled according to the relevant regulations of the Office of Physical Education and Sports.</li> <li>2. English Proficiency Requirement: 0 credit.                      Departments with higher self-imposed standards shall follow their own regulations: (please specify)</li> <li>3. General Education : 28 credits (for course classifications, please refer to the course selection system)                         <ol style="list-style-type: none"> <li>i. Core Competencies: total of 10 categories, at least 3 credits. The course requirements for "Information Literacy: Programming and AI Applications" are as follows: (please check)                                 <ul style="list-style-type: none"> <li><input type="checkbox"/> Required 1 credit (exempt for international students).</li> <li><input checked="" type="checkbox"/> Exempt from the requirement. If students choose to take the course, it <input type="checkbox"/> may / <input checked="" type="checkbox"/> may not be counted as general education graduation credits.</li> </ul> </li> <li>ii. Language Competencies: (at least 10 credits)                                 <ul style="list-style-type: none"> <li>➤ University Chinese: 4 credits</li> <li>➤ Foreign Language: 4 to 6 credits (please check)   <ul style="list-style-type: none"> <li><input type="checkbox"/> Freshman English: 4 credits</li> <li><input checked="" type="checkbox"/> Freshman English: 4 credits + English for Academic Communication: Reading &amp; Writing: 2 credits</li> <li><input type="checkbox"/> Freshman English: 4 credits + English for Academic Communication: Listening &amp; Speaking: 2 credits</li> <li><input type="checkbox"/> Other Foreign Language: 4 credits _____(please specify)</li> </ul> </li> </ul> </li> <li>iii. Domain Competencies: at least 10 credits                                 <ul style="list-style-type: none"> <li>➤ Humanistic Domain, Social Science Domain, and Natural Domain: at least one course in each Domain, total at least <b>6</b> credits.</li> <li>➤ Integrated Domain: at least 4 credits.</li> <li>➤ For National Defense education courses, only credits of 1 course can be counted as general education credits. Exceeding the required credits for this category <input type="checkbox"/> may / <input checked="" type="checkbox"/> may not (please check) be counted as credits from other departments.</li> <li>➤ Our program belongs to the area of <u>Engineering and Technology cluster</u>, therefore, only one course from this area will be recognized.</li> </ul> </li> </ol> </li> <li>4. Extra credits <input type="checkbox"/> can / <input checked="" type="checkbox"/> can't be counted in the graduation credits.</li> </ol>	<p><b>V. Required Major Courses and Credits: A minimum of <u>50</u> credits must be completed.</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:80%;">Core Course Title</th> <th style="width:10%;">Semester /Year</th> <th style="width:10%;">Credits</th> </tr> </thead> <tbody> <tr><td>1. Introduction to Artificial Intelligence</td><td>S</td><td>3</td></tr> <tr><td>2. Introduction to Computer Science</td><td>S</td><td>3</td></tr> <tr><td>3. Practical Applications of Artificial Intelligence</td><td>S</td><td>3</td></tr> <tr><td>4. Introduction to Computer Graphics</td><td>S</td><td>3</td></tr> <tr><td>5. Engineering Innovation and Design Thinking</td><td>S</td><td>3</td></tr> <tr><td>6. Introduction to IOT and Big Data</td><td>S</td><td>3</td></tr> <tr><td>7. Basic English for Science and Technology</td><td>S</td><td>3</td></tr> <tr><td>8. Creative Design of Artificial Intelligence Products (I)</td><td>S</td><td>3</td></tr> <tr><td>9. 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**VI. Minimum of Professional Elective Credits: 39 credits**

1. Programming Languages and Data Processing: **with a minimum of 9** credits.
2. Basic Science and Engineering: **with a minimum of 9** credits.
3. Management Field: **with a minimum of 9** credits.
4. Engineering Professional Field (Smart Materials, Smart Cities, Smart Manufacturing): **with a minimum of 12** credits.

**VII. Other Regulations:**

1. Non-professional electives include language competency courses and management competency courses. Students must choose one category and complete 6 credits. Basic Science and Engineering: **with a minimum of 9** credits.
2. Courses not listed in the curriculum planning table can be applied for by students. Upon approval by the curriculum committee of the program, they may be counted as professional electives, language competency courses, or management competency courses according to the regulations.

**VIII. Minor Degree:** If a student intends to study for a minor degree, he/she will need to take 20 (or more) credits in addition to the department's minimum **required** credits for graduation. For more details, please see the bulletin of Curriculum Division website.

**IX. Double Major:** The graduation requirements for students in pursuit of a double major (department or degree program) shall be based on the relevant regulations applicable at the time (year) when the application was approved. Double major students not only have to fulfill all graduation credit requirements of their original major (department or degree program), they must also complete all core courses for the second major (department or degree program) in order to be granted a double major degree.

Undergraduate students who did not complete or are short of **the 40** credits for the second major must make up for those credits by taking courses designated by the second-major ~~department or degree program~~.

This department  does not offer /  offers (please check) the program. Eligible applicants:  Bachelor's program,  Continuing Education Bachelor's program (please check); if the cross-disciplinary expertise courses overlap with the courses and credits required for the student's original department (degree program), double major, minor, or other cross-disciplinary expertise programs, the department (degree program) or college offering the cross-disciplinary expertise will specify related elective courses to make up for the overlap.

**XI. Admission Requirements:** For graduates of foreign equivalent schools with a shorter duration of study than domestic senior high schools and technical colleges, such as graduates from overseas Form 5 systems, the required graduation credits should be increased by at least 12 credits. The additional credits and the subjects to be taken should be detailed in the attached table.

※ The required courses and graduation credit requirements are filled out by each department according to the curriculum planning table.

※ If there are no changes in courses or credits, no submission is required each academic year.

Department (Degree Program) Coordinator :

Chairperson :