

Department of Life Sciences Graduation Requirements for Students Enrolled after **2025**

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<p>I. Years of Enrollment : 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>II. Minimum graduation credits required: <u>128</u> credits</p> <p>III. Courses required by the university curriculum:</p> <ol style="list-style-type: none"> 1. Physical Education: 2 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. 2. English Proficiency Requirement: 0 credit. 3. General Education : 28 credits <ol style="list-style-type: none"> i. Core Competencies: at least 3 credits. International students do not need to take the “Information Literacy” course. ii. Language Competencies: <ul style="list-style-type: none"> ➤ Native Language and Literature : 4 credits Narrative Expression: Language Literacy Narrative Expression: Language Application ➤ Foreign Language: 6 credits. ■ English Communication and Expression ■ Academic English : Listening and Reading ■ Academic English : Speaking and Writing iii. Domain Competencies: at least 10 credits <ul style="list-style-type: none"> ➤ Humanistic Domain, Social Science Domain, and Natural Domain: at least one course in each Domain, total at least 6 credits. ➤ Integrated Domain: at least 4 credits. ➤ For National Defense education courses, only credits of 1 course can be counted as general education credits. ➤ Our program belongs to the area of <u>life sciences</u>, therefore, only one course from this area will be recognized. IV. Extra credits can be counted in the graduation credits, and are limited to a maximum of 10 credits. <p>IV. Courses required by college curriculum: <u>0</u> credits</p> <p>V. Required professional courses by the department: <u>46</u> credits.</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. General Biology (2 years)</td><td>Year</td><td>12</td></tr> <tr><td>2. General Biology Laboratory (1 year)</td><td>Year</td><td>2</td></tr> <tr><td>3. General Chemistry</td><td>Semester</td><td>3</td></tr> <tr><td>4. General Chemistry and Lab</td><td>Semester</td><td>1</td></tr> <tr><td>5. Organic Chemistry</td><td>Semester</td><td>3</td></tr> <tr><td>6. Organic Chemistry Lab.</td><td>Semester</td><td>1</td></tr> <tr><td>7. Biochemistry</td><td>Year</td><td>6</td></tr> <tr><td>8. Biometrics and practice</td><td>Semester</td><td>3</td></tr> <tr><td>9. Genetics</td><td>Semester</td><td>3</td></tr> <tr><td>10. Lab in Genetics</td><td>Semester</td><td>1</td></tr> <tr><td>11. Seminar</td><td>Year</td><td>2</td></tr> <tr><td>12. Ecology</td><td>Semester</td><td>3</td></tr> <tr><td>13. Molecular Biology</td><td>Semester</td><td>4</td></tr> <tr><td>14. Animal Physiology</td><td>Semester</td><td>3</td></tr> <tr><td>15. Plant Physiology</td><td>Semester</td><td>3</td></tr> <tr><td>16. Cell Biology</td><td>Semester</td><td>3</td></tr> <tr><td>17. Evolution</td><td>Semester</td><td>3</td></tr> <tr><td>18. Microbiology</td><td>Semester</td><td>3</td></tr> <tr><td>19. Biotechnology</td><td>Semester</td><td>3</td></tr> </tbody> </table> <p>VI. Minimum of professional elective credits: <u>24</u> credits</p> <p>VII. Other Regulations:</p> <ol style="list-style-type: none"> 1. Other department courses are limited to a maximum of 30 credits. 2. Ecology, Evolution: At least one course is required. 3. Animal Physiology, Plant Physiology, Cell Biology: At least one course is required. 4. Molecular Biology, Microbiology, Biotechnology: At least one course is required. 5. Elective laboratory courses, practice courses, Undergraduate Research (2 credits), Thesis (3 credits) offered by our department: At least three courses are required. 			Core Course Title	Semester /Year	Credits	1. General Biology (2 years)	Year	12	2. General Biology Laboratory (1 year)	Year	2	3. General Chemistry	Semester	3	4. General Chemistry and Lab	Semester	1	5. Organic Chemistry	Semester	3	6. Organic Chemistry Lab.	Semester	1	7. Biochemistry	Year	6	8. Biometrics and practice	Semester	3	9. Genetics	Semester	3	10. Lab in Genetics	Semester	1	11. Seminar	Year	2	12. Ecology	Semester	3	13. Molecular Biology	Semester	4	14. Animal Physiology	Semester	3	15. Plant Physiology	Semester	3	16. Cell Biology	Semester	3	17. Evolution	Semester	3	18. Microbiology	Semester	3	19. Biotechnology	Semester	3
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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 credits required 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 40 credits for the second major must make up for those credits by taking courses designated by the second-major department or degree program.

X. Cross-Disciplinary Expertise Development Program: For students whose compulsory courses and credits are the same as the ones offered by the departments (degree programs), double major, minor, or other cross-disciplinary expertise programs providing cross-disciplinary expertise courses, they shall take other elective courses that are related to their expertise and designated by the departments (degree programs) or colleges providing cross-disciplinary expertise module courses.

XI. Students who graduate from the study period of the senior high school less than 6 years will be required to take at least 12 extra credits in their graduation requirements.

2024/5/6

Coordinator 系(所、學位學程)承辦人：

Chairperson 系所主管簽章：

若中文版本與英文翻譯版本有任何差異，以中文版本為準。

In the event of any discrepancies between the Chinese version and its English translation, the Chinese version shall prevail.