

生物科技學士學位學程學士班學生畢業條件明細表(114 學年度起入學適用)

Bachelor Program in Biotechnology Graduation Requirements for Students Enrolled in 2025

項 目	項 目
<p>一、修業年限 (Years of Enrollment) :</p> <p>(一)最低修業年限：四年。 Minimum years of enrollment : 4 years</p> <p>(二)可延長修業二年(不包括休學二年)。 Can be extended for 2 more years (excluding 2 years of suspension)</p> <p>二、應修最低畢業總學分數共 <u>128</u> 學分 (不含體育課程必修 2 學分)。 Minimum graduation credits required : <u>128</u> credits (Not including Physical Education 2 credits)</p> <p>三、校必修課程及學分數 (Courses required by the university curriculum) :</p> <p>(一)體育課程：必修 <u>2</u> 學分，不計入畢業學分，超修之體育學分最多可採計 2 學分為外系課程。 Physical Education Courses: <u>2</u> required credits. Not counted toward graduation credits. Additional physical education courses may be counted as courses from other departments. Additional physical education courses may be counted as up to 2 credits from external departments.</p> <p>(二)英文能力檢定：<u>0</u> 學分。 English Proficiency Test : <u>0</u> required credits. 本學士學位學程依校方規定標準。 According to school regulations.</p> <p>(三)通識課程<u>核心素養+語文素養+領域素養</u>共計 <u>28</u> 學分，超修之通識課程不可以採計為外系學分。 General Education Course (<u>Core courses, Language Competencies and Domain Competencies</u>): <u>28</u> required credits. Additional general education courses cannot be counted as credits from external departments.</p> <p>1. <u>核心素養課程</u>：共 10 類，至少 <u>3</u> 學分。 其中「資訊素養」：程式設計與 AI 應用」為必修 1 學分(外籍生得免修)。 <u>Core courses</u>: A total of 10 categories, at least <u>3</u> credits. Course requirements for 'Information Literacy: Programming and AI Applications: 1 required credit. (International students are exempt from taking this course.</p>	<p>2. <u>語文素養課程</u>：至少 <u>8</u> 學分。 <u>Language Competencies</u>: at least <u>8</u> credits</p> <p>(1)本國語文：<u>4</u> 學分 敘事表達：語文素養2學分。 敘事表達：語文應用2學分。 Native Language and Literature :<u>4</u> credits Narrative Expression: Language Literacy2 credits Narrative Expression: Language Application 2 credits</p> <p>(2)外國語文：<u>4</u> 學分： 英語溝通與表達2學分。 學術英文聽讀2學分。 Foreign Language: at least <u>4</u> credits. English Communication and Expression 2 credits Academic English : Listening and Reading 2 credits</p> <p>3. <u>領域素養課程</u>：至少 <u>10</u> 學分。 <u>Domain Competencies</u>: at least <u>10</u> credits</p> <p>(1)應修習「人文、社會、自然」三領域各 1 門課程，合計至少 <u>6</u> 學分。 Humanistic Domain, Social Science Domain, and Natural Science Domain: at least one course in each Domain, total at least <u>6</u> credits.</p> <p>(2)應修習「統合領域」課程至少 <u>4</u> 學分。 Integrated Domain: at least <u>4</u> credits.</p> <p>(3)國防教育類課程(非必修)至多採計 1 門為通識畢業學分，超修該類課程不可以採計為外系學分。 For National Defense education courses, only credits of 1 course can be counted as general education credits.</p> <p>(4)本學程隸屬<u>生命科學學群</u>，此學群課程至多採計 1 門為通識畢業學分，超修該學群課程不可以採計為外系學分。 This program belongs to the area of <u>Life Sciences Cluster</u>, therefore, only one course from this area will be recognized as General Education Course. Extra credits for courses in Life Sciences Cluster cannot be counted as credits from other departments</p> <p>4. 超修之通識課程不可以採計為外系學分。 Extra credits from General Education Courses cannot be counted in the graduation credits</p>

四、本學士學位學程專業必修課程：最低應修 31 學分。

Minimum required credits for this program: 31 credits

科目名稱 Core Course Title	學期/學年 Semester/Year	學分 Credits
(1) 普通化學 General Chemistry	半 Semester	3
(2) 有機化學 Organic Chemistry	半 Semester	3
(3) 有機化學實驗 Practice on Organic Chemistry	半 Semester	1
(4) 生物化學 Biochemistry	全 Year	6
(5) 生物化學實習 Biochemistry Laboratory	半 Semester	2
(6) 生物技術導論 Introduction to Biotechnology	半 Semester	3
(7) 生物資訊 Bioinformatics	半 Semester	3
(8) 分子生物學 Molecular Biology	半 Semester	3
(9) 細胞生物學 Cell Biology	半 Semester	3
(10) 專題研究(一) Special Topics Research(I)	半 Semester	1
(11) 專題研究(二) Special Topics Research(II)	半 Semester	1
(12) 生物技術產官學講座 Special Topics on Biotechnology	半 Semester	1
(13) 專題討論 Seminar	半 Semester	1

五、本學士學位學程最低(含)應選修 69 學分(進修學士班之課程不予採計)。

Minimum of professional elective credits: 69 credits.
(Courses from Continuing Education Department are excluded.)

六、輔系：限非生命科學領域之學生修讀，除應修滿原主修學系規定畢業科目學分外，且至少應加修本學程專業必修科目 20 學分。

Minor Degree: Limited to students who are not majoring in life sciences. In addition to completing the required graduation credits of their major department, the students must also take at least 20 credits of required courses for Bachelor Program in Biotechnology.

七、雙主修：限非生命科學領域之學生修讀，除應修滿原主修學系規定畢業科目學分外，至少應加修本學程全部專業必修科目 31 學分，以及專業選修 9 學分，共 40 學分，始可取得雙主修學位。

Double Major: Limited to students who are not majoring in life sciences. In addition to completing the required graduation credits of the original major department, students must also complete at least 31 credits of all major required courses and 9 credits of professional electives, for a total of 40 credits, to obtain a double major degree.

八、凡修滿本學程規定之科目與學分者，由本校發給學士學位學程畢業證書。

Students who have completed all the required courses and credits will be issued a bachelor's degree certificate by the university.

九、入學資格：屬修業年限少於國內高級中等學校及專科學校之國外同等學校畢業生，如海外中五學制畢業(結)業生，畢業學分數應增加至少 12 學分，其增加之修習科目為本學程專業選修課程。

Students who graduate from the academic systems with less than 6 years of high school education (junior high plus senior high school) will be required to take at least 12 extra credits in their graduation requirements, and the additional subjects are elective courses for this program.