

銘傳大學生物科技學系專業基本能力檢定實施細則

Ming Chuan University Enforcement Rules for Biotechnology Department Professional Competencies Requirements

- 一、 本系為提昇學生升學暨就業競爭力，依據「銘傳大學學生畢業資格檢定實施辦法」，訂定「銘傳大學生物科技學系專業基本能力檢定實施細則」（以下簡稱本細則）。
 1. In order to enhance the competitiveness of students in further study and employment, the Department has established the "Ming Chuan University Enforcement Rules for Biotechnology Department Professional Competencies Requirements" (hereinafter referred to as "the rules") in accordance with the "Ming Chuan University Procedures for Proficiency-based Graduation Requirements".
- 二、 九十九學年度起入學之大學部學生，應通過本校所定之「服務學習」、「英語能力」、「資訊能力」、「中文能力」及「運動能力」畢業資格檢定標準，及本細則所定「基本能力」之檢定標準，始得畢業。碩士班應通過「基本能力」之檢定標準，始得畢業。
 2. Undergraduate students who entered the university after 2010-11 AY should pass following graduation requirements of "service learning", "English proficiency", "information proficiency", "Chinese proficiency" and "sports proficiency" as assigned by the university and the rules mentioned in relevant documents to receive a bachelor's degree. Graduate students should pass the rules mentioned in the relevant documents to receive a master's degree.
- 三、 學生應於在學期間內通過基本能力檢定，其項目及檢定標準如下：
 3. Students should pass the rules mentioned in the documents during their study period; related details of items and standards are as follows:

表一、大學部

Table 1. Undergraduate Students

基本能力 Competencies Requirements	檢定標準 Evaluation Criteria
1. 具備生命科學領域相關知識能力 Proficiency in life sciences field	1. 修畢1個專業學程 Graduate from a professional program provided by the department
2. 合群與良好的溝通能力 Teamwork and communication skills	2. 完成專題研究或產業實習並公开发表 Complete a research project or internship in related fields and make a public thesis presentation

表二、碩士班

Table 2. Graduate Students

基本能力 Competencies Requirements	檢核方式 Evaluation Method
完整呈現生物科技領域研究成果及過程的能力 Ability to completely present research results and process in biotechnology field	完成碩士論文口試並公開發表 Complete thesis oral defense of master's degree and make a public thesis presentation

表三、碩士在職學位學程

Table 3. Executive Master's Program

基本能力 Competencies Requirements	檢核方式 Evaluation Method
1. 完整呈現綠色科技產業管理領域研究成果及過程的能力 Ability to completely present research results and process in green technology industry management field	1. 完成碩士論文口試並公開發表 Complete thesis oral defense of master's degree and make a public thesis presentation
2. 具備綠色科技產業管理領域之專業知識 Possess professional knowledge in green technology industry management field	2. 修畢該入學學年度課程架構之最低畢業學分數 Complete the minimum graduation credits in accordance with the Curriculum Framework of the academic year in which they enrolled

表四、大學部-生技產業專班

Table 4. Undergraduate- Biotechnology Program

基本能力 Competencies Requirements	檢定標準 Evaluation Criteria
1. 具備生命科學領域相關知識能力 Possess professional knowledge and related ability in life sciences field	(1) 修習任一專業(生物醫學、食品生技)學程15學分規定 Complete 15 credits in one of the programs mentioned below: biomedical program, food biotechnology program (2) 修生物科技學系開設專業選修課程達27學分 Complete 27 credits of professional elective courses offered by the Department of Biotechnology
2. 具備團隊合作溝通協調能力 Teamwork and communication skills	以下檢定標準擇一 Choose one of the evaluation criteria mentioned below: (1) 修畢本系開設以分組實習為主的

	<p>必修實驗室課程，其中三科學期成績達70分以上者。</p> <p>Students are required to complete required laboratory courses opened by the department for group internship, and the semester grade of 3 of these courses should be over 70.</p> <p>(2) 修習企業進階實習與職場實務專題課程，學期成績達70分以上者。</p> <p>Students' semester grade for Advanced Enterprise Internship and Seminar on Industry Practice should be over 70.</p>
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表五、大學部(美國生技醫療產業班)

Table 5. Undergraduate (Biotechnology and Biomedical Industry Program for the USA)

基本能力 Competencies Requirements	檢定標準 Evaluation Criteria
<p>1. 具備生命科學領域相關知識能力 Possess professional knowledge and related ability in life sciences field</p>	<p>在銘傳大學修習完成普通生物學(一)(英)，基礎化學(一)(英)，微生物學(英)，解剖生理學(一)(英)與(二)(英)，生物化學(一)(英)等五大面向課程，並獲得通過。</p> <p>Complete and pass five major-oriented courses of the department at the university: General Biology I (E), Fundamental Chemistry (E), Microbiology (E), Anatomy and Physiology I (E) and II (E), Biochemistry I (E)</p>
<p>2. 合群與良好的英語專業溝通能力 Teamwork and communication skills</p>	<p>在銘傳大學修習以英語授課之專業課程達30學分並獲得通過</p> <p>Complete and pass 30 credits of professional English- instructed courses at the university</p>

四、 學生於畢業前未達前條所定基本能力檢定標準者，應重修相關課程，於該課程達及格標準後，始得畢業。

4. Once they don't meet evaluation criteria of competencies requirements, students should retake related courses; they can graduate from the university after they meet the course requirements and pass the courses before they leave the university.

五、 通過基本能力檢定標準之學生，應將成績或其他相關證明文件，送交

本系經審核通過後，成績以「檢定通過」登錄。

5. After they meet evaluation criteria of competencies requirements, students' grade record will be marked as "passed" once they submit their transcripts and related requirement documents and all these documents are reviewed and passed by the department.

六、 本細則經系務、院務及教務會議通過後，報請校長核定後實施，修正時亦同。

6. Upon being passed at the Departmental Affairs Committee Meeting, the School Affairs Committee Meeting, and the Academic Affairs Committee Meeting, and after being approved by the President, these rules were announced and implemented. Any revision must follow the same procedures.

****In the event of any inconsistency or discrepancy between the Chinese and other language versions of this document, the Chinese version shall prevail. ****