

生物醫學工程學系博士班修課與資格考選考組別確認表

Confirmation of Qualification Exam Group for Students in PhD. Program in NCKU BME

Approved by NCKU BME Faculty Meeting, June 29th, 2023

Approved by NCKU BME Faculty Meeting, October 22th, 2024

Approved by NCKU BME Faculty Meeting, April 15th, 2025

Approved by NCKU BME Curriculum Committee Meeting, February 6th, 2026

Approved by NCKU BME Faculty Meeting, May 4th,2026

姓名 Name	學號 Student ID No.	指導教授 Advisor
中文(Chinese)：		
英文(English)：		

畢業科系調查（請附上大學及碩士歷年成績單） Please provide the transcripts of your Bachelor and/or Mater diploma

大學學校/科系 Bachelor Degree (School/Department)	碩士學校/科系 Master Degree (School/Institute)

系上規範 BME Requirements

組別 Group	各組需補修課程 Additional courses required before graduation	資格考科 Subjects for Ph.D Candidate Qualification Exam
甲組 Group A	選修本校醫學系或研究所 生理學、解剖學或其他生命科學 相關的課程（需提請系務會議通過）6 學分以上。選修其他生命科學相關課程學分超過 3 學分者，承認 3 學分。	(a) 必考科目：生理學、解剖學或細胞生物學（選 1） (b) 專業科目：生物力學、生醫材料、生物流體力學、動態分析、奈米生物醫學（選 2） (c) 跨組科目：須自「博士班資格考科與本系開授課程對照表」中乙組專業科目或丁組科目（包含：醫療器材創新設計、科技創業與投資管理、醫療器材法規與實務/智慧財產權管理）中，擇一科選考。 Subjects for Group A (a) Required Subjects: Physiology, Anatomy or Cell Biology (Choose one subject) (b) Professional subjects: Biomechanics, Biomaterials, Biofluid Mechanics, Motion Analysis, Nano-Biomedicine (Choose Two Subjects) (c) Cross-group subjects: One subject must be selected from the professional subjects in Group B or Group D (including Biodesign, High-Tech Entrepreneurship and Venture Capital, and Medical Device Regulations and Practice / Intellectual Property Rights, and Management) as listed in the Table of Equivalency between PhD Qualifying Exam Subjects and Departmental Courses.
乙組 Group B	Students in both groups A&B must enroll at least 6 credits in (1) Physiology, (2) Human Anatomy, or (3) other Biology related courses (the credits are subject to approval at BME faculty meeting). Only 3 credits from other different biological sciences related courses will be counted.	(a) 必考科目：生理學、解剖學或細胞生物學（選 1） (b) 專業科目：醫療儀器之設計與應用、醫療影像處理、生醫感測器、生醫訊號處理、數位醫療、生醫系統分析、生醫大數據與人工智慧應用導論（選 2） (c) 跨組科目：須自「博士班資格考科與本系開授課程對照表」中甲組專業科目或丁組科目（包含：醫療器材創新設計、科技創業與投資管理、醫療器材法規與實務/智慧財產權管理）中，擇一科選考。 Subjects for Group B (a) Required Subjects: Physiology, Anatomy or Cell Biology (Choose one subject) (b) Professional subjects: Medical Instrument Design & Application, Medical Image Processing, Biosensor, Biomedical Signal Processing, Medical System Analysis, Digital Health, Biomedical System Analysis, Introduction to biomedical big data and artificial intelligence applications. (Choose two subjects) (c) Cross-group subjects: One subject must be selected from the professional subjects in Group A or Group D (Including: Biodesign, High-Tech entrepreneurship and Venture Capital, Medical Device Regulatory/ Intellectual Property Rights, and Management) as listed in the Table of Equivalency between PhD Qualifying Exam Subjects and Departmental Courses.
丙組 Group C	選修本校大學部 工程數學 、研究所 醫用數學或生物統計 6 學分。分（註：大學部課程 60 分及格，但不計入畢業學分）。 Students in group C must take at least 6 credits in (1) college level Engineering Mathematics, (2) Engineering Mathematics in Medicine, or (3) Biostatistics in graduate school level of NCKU.	(a) 必考科目：醫用數學或生物統計（選 1） (b) 專業科目：依研究方向，自「博士班資格考科與本系開授課程對照表」中選擇甲組或乙組之專業科目（選 2） (c) 跨組科目：須自「博士班資格考科與本系開授課程對照表」中甲、乙組之專業科目或丁組科目（包含：醫療器材創新設計、科技創業與投資管理、醫療器材法規與實務/智慧財產權管理）中，擇一科選考。 Subjects for Group C (a) Required Subjects: Engineering Mathematics in Medicine or Biostatistics (b) Professional subjects: Students should select <i>two</i> professional subjects from Group A or Group B, as listed in the Table of Equivalency between PhD Qualifying Exam Subjects and Departmental Courses, according to their research field. (c) Cross-group subjects: One subject must be selected from the professional subjects in Group A, Group B, or Group D (Including: Biodesign, High-Tech entrepreneurship and Venture Capital, Medical Device Regulatory/ Intellectual Property Rights, and Management) as listed in the Table of Equivalency between PhD Qualifying Exam Subjects and Departmental Courses.
丁組 Group D	* 本系 醫療器材創新設計(一)、(二) * 未修過生理學或解剖學者，需修本校 生理學或解剖學 3 學分。 * 未修過工程數學者，需修研究所的 醫用數學或生物統計（醫療器材生醫統計與臨床實驗） 3 學分。（註：大學部課程 60 分及格，但不計入畢業學分）。 Students in group D must take Biodesign 1 and 2 in BME. Those who don’t have Physiology or Human Anatomy background are required to take 3 credits in Physiology or Human Anatomy opened by NCKU. For those who don’t have credits in Engineering Mathematics, must take 3 credits in Engineering Mathematics or Biostatistics (Biostatistics and Clinical Trials for Medical Device). (Note: The Passing grade for college level courses is 60. College level credits will not be counted into graduation credits).	(a) 必考科目：醫療器材創新設計或科技創業與投資管理（選 1） (b) 專業科目：醫療器材法規與實務 / 智慧財產權管理、或自「博士班資格考科與本系開授課程對照表」中選擇甲組或乙組之專業科目 （選 2） (c) 跨組科目：依博士生之研究背景，自下列科目擇 1 科選考 （工程背景）生理學或解剖學 （非工程背景）醫用數學或生物統計(醫療器材生醫統計與臨床實驗) Subjects for Group D (a) Required Subjects: Biodesign or High-Tech Entrepreneurship and Venture Capital. (Choose one subject) (b) Professional subjects: Select two subjects from “Medical Device Regulatory/ Intellectual Property Rights and Management”, or professional subjects of Group A or Group B, as specified in the Table of Equivalency between PhD Qualifying Exam Subjects and Departmental Courses. (c) Cross-group subjects: Select one of the following subjects according to the PhD students’ research background. (with Engineering background): Physiology or Anatomy (with Non-Engineering background): Engineering Mathematics in Medicine or Biostatistics (Statistics and Clinical Trials for Medical Device)
備註 Note	1. 本表依「成功大學生物醫學工程學系博士班修業辦法」規定辦理。All content must follow the Regulations stated in the “Requirements for PhD program in Department of Biomedical Engineering, NCKU” 2. 本表自 114 學年度第二學期起入學新生適用。All PhD students who got admitted after 2026 spring semester must hand in this form to the office. 3. 請於選定指導教授後繳交此份表格。Please complete and hand in the form after the advisor approved.	

組別確認：_____ 組 I hereby confirmed that my study track will be in Group

學生簽名(Applicant Signature)：_____

指導教授簽名(Advisor Signature)：_____

系主任簽名(Chair Signature)：_____