

生物醫學暨工程科技產業博士學位學程

111 學年度

最低修業年限	博士班修業期限以二至七年為限。
應修學分數	至少應修畢十八學分
逕博應修學分數	30(含碩、博士班學分)
應修(應選)課程及符合畢業資格之修課相關規定	<p>一、課程</p> <p>(一)專題討論與學術研究論理：在學期間，至少需修滿專題討論四學分與一學期學術研究倫理方得畢業。</p> <p>(二)本學程必修課程：須至少選修本學程所規定的 2 門(不含專題討論)課程包含：醫學工程概論、生醫影像暨放射醫學科學總論、光電工程導論、輔助科技系統原理與應用、高等醫學生物技術學、生物統計學、醫療儀器設計、醫療器材設計與開發實務、科學論文寫作。</p> <p>(三)博士班第二年(含)以後，在學期間每學年度均需於下學期舉行一次進度報告，進度報告之口試委員需包含校內指導教授及合作企業或法人代表。</p> <p>(四)博士班需有兩年為產業實作階段，博士生需至產業或法人單位進行實作研發。</p> <p>(五)修過相關領域課程，欲申請本學程相近之必修課程免修者，得於入學、轉入學程或逕修讀博士班當學期選課前提出，經由院級課程委員會審議，通過得免修。</p> <p>(六)選修課程以修習本院各系所開設課程為原則，如選外校、外院系所課程，應於修課前向院級課程委員會提出申請，且須經委員會認定，始得以列入畢業學分。</p> <p>(七)非開設予博士生修習之研究所課程，不得計入畢業學分。</p> <p>(八)所有課程需於修業期限內完成，並通過。</p>

Industrial Ph. D. Program of Biomedical Science and Engineering

Academic Year 2022

Mini. Term of Study	2~7 years, up to 9 years for on-the-job students.
Minimum Credits	18 credits
Minimum Credits for Direct-Entrance Ph.D.	30 credits
Curriculum and Regulations	<p>Courses:</p> <p>(1) Seminar: at least four credits and one semester of academic research ethics.</p> <p>(2) Compulsory courses: At least 2 courses except seminar. Courses include: Introduction to Medical Engineering, General Introduction to Biomedical Imaging and Radiological Medicine, Introduction to Optoelectronic Engineering, Principles and Applications of Assistive Technology Systems, Advanced Medical biotechnology, biostatistics, medical instrument design, medical device design and development practice, scientific paper writing.</p> <p>(3) After the second year (inclusive) of the doctoral program, a progress report must be held during each year. The oral examination members must include the professors and industry teacher.</p> <p>(4) The students need to go to the industry two years for implementation.</p> <p>(5) All courses must be completed and passed within the study period.</p>