生物資訊及系統生物研究所碩士班

111 學年度

最低修業年限	一年
應修學分數	24 學分(含專題演講)
應修（應選）課程及符合畢業資格之修課相關規定	1. 本所碩士班研究生修業年限依教育部規定以一至四年為限，在職生之修業年限得增加一年，最少須修滿二十四學分，其中應包括： (1)生物序列分析與高通量技術、結構生物資訊、生物機器學習、統計熱力學、計算系統生物學(五門選二門) (2)專題演講:修業期間一年者須修滿兩學分；一年半者須修滿三學分；兩年(含)以上者修滿四學分。 (3)論文研究: 修業期間一年者須修滿兩學分；一年半者須修滿三學分；兩年(含)以上者修滿四學分。論文研究不計入畢業學分。 (4)碩士班書報討論:修業期間須修滿 2 學分，惟畢業學分只計 2 學分。 2.畢業學分之認定，選修非本院開設之課程最多六學分。 3.抵免學分依本校學生抵免學分辦法辦理，由本院系所課程委員會審定之。 4.抵修必修課學分必須先向教課程委員會提出後經委員會討論決定。 5.未盡事宜，悉依相關規定辦理。
備註	

Master Program Curriculum
The Institute of Bioinformatics and Systems Biology

Academic Year 2022

Minimum Term of Study	One Year
Minimum Credits	24 Credits
Curriculum and Regulations	I. Mandatory: 1. Biological Sequence Analysis and High Throughout Technologies, Structural Bioinformatics, Applications of Machine Learning Techniques to Bioinformatics, Statistical Thermodynamics, and Computational Systems Biology (choose two). 2. Departmental Seminars B: During a one-year term of study there must be two credits taken in this course; for one and a half years, three credits; for two years and above, four credits. 3. Thesis in Bioinformatics: During a one-year term of study there must be two credits taken in this course; for one and a half years, three credits; for two years and above, four credits. These credits won't be counted for the total credits required for graduation. 4. Special Topic Seminar in Bioinformatics (for MS): Student must have taken 2 credits within term of study, and this course will only count as 2 credits towards graduation regardless of actual credit hours. II. Regulations on academic credits and course choosing: 1. For counting towards graduation, there is a limit of six academic credits outside of College of Biological Science and Technology. 2. Credit exemption will be approved by the Curriculum Committee as per NYCU regulations. 3. Students who wish to apply for exemption for required core courses must propose to the Curriculum Committee, who will then deliberate on action. Any other outstanding issues will be handled by relevant regulations.

生物資訊及系統生物研究所博士班

111 學年度

最低修業年限	二年
應修學分數	在規定修業年限內需修滿 15 學分(不含論文研究及專題演講)，其中本院課程不得少於 9 學分(即本院以外各系所學分不得多於 6 學分)
逕博應修學分數	逕行修讀博士學位者至少應修滿 30 學分(含碩士班所修課程學分，不含碩博班論文研究及專題演講），其中本院課程不得少於 24 學分。
大學部逕博應修學分數	直升博士學位者，應至少修滿 30 學分，其中本院課程不得少於 24 學分(不含論文研究及專題演講)
應修（應選）課程及符合畢業資格之修課相關規定	一、博士班必修課程： 1.專題演講（需修滿 4 學分） 2.博士班書報討論（需修滿 2 學分） 3.論文研究（需修滿 2 學分） 4.生物序列分析與高通量技術、結構生物資訊、生物機器學習、統計熱力學、計算系統生物學(五門選二門) 二、課程與學分 1.在抵免學分部份，由本院系課程委員會審定之，至多可抵免 6 學分。。 2.未盡事宜，悉依相關規定辦理。

Ph. D. Program Curriculum
The Institute of Bioinformatics and Systems Biology

Academic Year 2022

Minimum Term of Study	Two Year
Minimum Credits	1. Students must finish 15 credits (excluding Thesis in Bioinformatics and Departmental Seminar B) during their term of study, with no less than 9 credits from the home College (therefore no more than 6 credits from other departments and colleges.) 2. Doctoral students of direct-Ph.D. track must finish at least 30 credits (including master's courses completed previously, but excluding Thesis in Bioinformatics and Departmental Seminars), with no less than 24 credits from the home College (excluding Thesis in Bioinformatics and Departmental Seminars.)
Curriculum and Regulations	I. Mandatory: 1. Departmental Seminar B (4 credits) 2. Special Topics Seminar B (for PhD) (2 credits) 3. Thesis in Bioinformatics (2 credits) 4. Biological Sequence Analysis and High Throughout Technologies, Structural Bioinformatics, Applications of Machine Learning Techniques to Bioinformatics, Statistical Thermodynamics, and Computational Systems Biology (choose two) II. Regulations on academic credits and course choosing: 1. Credit exemption will be decided by the Teaching and Research Committee of the College (Department). Students may exempt up to 6 credits. 2. Items not stated herein are subject to relevant regulations.