Regulations for the Establishment of Bio-Industrial Automation Program

Amended and passed at the 1st Curriculum Committee Meeting of the College in 2014/15 1st semester on November 17, 2014.

Amended at the 2nd Academic Affairs Meeting in 2014/15 1st semester on January 9, 2015.

Amended and passed at the 3rd Curriculum Committee Telemeeting of the College in 2015/16 2nd semester on May 12, 2016.

Amended at the 2nd Academic Affairs Meeting in 2015/16 2nd semester on June 17, 2016.

Chapter 1. General Principles

Article 1

The Bio-Industrial Automation Program (hereafter referred to as the "Program") of National Taiwan University (hereafter referred to as the "University") aims to cultivate talents for bio-industrial automation, provide students better career prospects, and help improving the education**,** research, and promotion on bio-industrial automation.

Article 2

The Regulations for the Establishment of the Bio-Industrial Automation Program (hereafter referred to as the "Regulations") are prescribed pursuant to the Intramural Program Establishment Guidelines.

Article 3

The Program is established by the Education and Research Center for Bio-Industrial Automation (hereafter referred to as the "Center") of the College of Bioresources and Agriculture (hereafter referred to as the "College"). The Center Director, undertaking the position of the Program Director, is responsible to integrate and conduct all matters concerning the Program.

Chapter 2. Program Design and Credits

Article 4

Since the objective and the nature of the **courses** included differ, the Program offers two different schemes: mechatronics scheme and computational biology scheme. Mechatronics scheme focuses on automation techniques applied in bio-industrial sector, which enables students to use, design, and conduct R&D on bio-industrial automated systems. Computational biology scheme emphasizes on using computational methods in the emerging bio-industries, which equips students with the

abilities to calculate and integrate systematic functions of bioinformatics when engaging in R&D activities.

Article 5
All courses are classified as introductory, fundamental, and professional. Program students should choose at least 3 professional courses. The total credits a program student selects from introductory, fundamental, and professional courses should exceed 20 credits, choosing at least one scheme to complete.

Article 6
For the titles and credits of the courses included in the Program, please visit our website.

Chapter 3. Qualification and Admission Quotas

Article 7
Students who wish to apply for the Program should be in their 2nd year or above, aiming at the career in bio-industrial automation.

Article 8
Application verification will be conducted once every school year. The number of applicants accepted each year is decided by the Center.

Article 9
Students should have their applications verified by the Center to enroll in the Program. Students who are not admitted into the Program may still take the courses provided by the Program, but program students have the priority to take these courses over them. Other prerequisites of each course are determined by each instructor.

Chapter 4. Terms of Study, Grades, and Credit Hours

Article 10
Pursuant to Article 6 of the Intramural Program Establishment Guidelines, NTU students who had enrolled in the Program and are qualified for graduation but have not fulfilled all requirements and credit hours of the Program may apply for an extension of the term of study with relative documents. The total term of study should not exceed the maximum term regulated in the University Act.

Article 11
Program courses completed in the University before students are admitted into Program may be accepted as fulfilled requirements of the Program. Same or similar courses taken in other universities will only be accepted as fulfilled requirements if the courses are approved by the Program beforehand. Courses taken in other universities should not exceed 3. All other requirements should be met by taking the courses provided by the Program.

Article 12
Undergraduate students who have enrolled in the Program but have not fulfilled all requirements before graduation are allowed to complete the Program in the graduate institutes if they continue their studies in the University. Program courses completed as undergraduates may be accepted as fulfilled requirements.

Article 13
Students who complete the required number of credits and meet grading standards before graduation must notify the Center initiatively a month before graduation. They should apply for both Chinese and English transcripts (one copy of each) at the Office of Academic Affairs and submit them to the Center. Once the transcripts are reviewed and passed by the Center and approved by the Dean of Academic Affairs and the President of the University, the student will receive a Certificate of Completion of the Bio-Industrial Automation Program.

Article 14
NTU students who have extended their study to complete the Program should pay the tuition fees and miscellaneous fees as the University regulated.

Chapter 5. Supplementary Provisions

Article 15
Cases these regulations fail to cover will be handled in accordance with the Intramural Program Establishment Guidelines.

Article 16
These regulations should come into force from the day of promulgation after being passed at the Curriculum Committee Meeting and the Academic Affairs Meeting.