

G-32 Graduate Institute of Biomedical Engineering (Graduate and Degree Programs)**Doctoral Student Graduation Requirements for Academic Year 2020**

Item	Note
I. Terms of study: 1. Minimum: <u>2</u> years 2. Maximum: <u>7</u> years (excluding 2 years of suspension)	Students in the continuing education division may extend the term of study by 1 year.
II. Minimum required credits for graduation (excluding credits from physical education and military education courses) Regular students: <u>34</u> credits Master's students on the direct Ph.D. track: <u>46</u> credits Undergraduate students on the direct Ph.D. track: <u>46</u> credits Including the following two criteria: 1. Academic subjects (required and elective) Regular students: minimum required credit(s): <u>16</u> ; minimum elective credit(s): <u>6</u> Master's students on the direct Ph.D. track: minimum required credit(s): <u>16</u> , minimum elective credit(s): <u>18</u> Undergraduate students on the direct Ph.D. track: minimum required credit(s): <u>16</u> , minimum elective credit(s): <u>18</u> 2. Graduation dissertation: <u>12</u> credits	The passing grade for graduate students' academic subjects and conduct are both 70. Students who have failing conduct scores will be expelled. Average academic score composes 50% of the graduation grade. Master's students on the direct Ph.D. track may transfer a maximum of 12 credits from their master's program. Undergraduate students on the direct Ph.D. track may waive a maximum of half of their Ph.D. program graduation credits (excluding graduation dissertation). ※Required + elective + graduation dissertation = minimum graduation credits
III. Credit exemption: Maximum credit(s): <u>9</u>	According to the NCHU Regulation for Credit Exemption, new students who wish to transfer credits should apply by the end of the course registration period of the first semester.
IV. Credits from related elective undergraduate courses will be acknowledged as credits for graduation.	According to the NCHU Regulations on Course Registration, a graduate student's required credits and courses for each semester should be determined by the advisor or the chair of the department, graduate program, or degree program. In addition to the required credits, if a student wishes to take related undergraduate courses, they may, with the instructor's consent. However, if the student wishes to include credits from undergraduate courses as graduation credits, only a maximum of 6 credits may be recognized with the approval from the advisor and a meeting convened by the department, graduate program, or degree program committee.
V. Acknowledged credits from other departments or graduate programs: A maximum of <u>Unlimited</u> credit(s).	Including credits from intercollegiate courses.
	Students who fail the required courses shall retake them. Students may not graduate without completing all required courses.

<p>VI. Required courses and credits: a total of <u>28</u> credit(s)</p> <table> <tr> <th>Course name</th><th>No. of credit(s)</th></tr> <tr> <td>1. Introduction to Biomedical Engineering</td><td>6</td></tr> <tr> <td>2. Dissertation</td><td>12</td></tr> <tr> <td>3. Seminar III</td><td>2</td></tr> <tr> <td>4. Seminar IV</td><td>2</td></tr> <tr> <td>5. Basic Anatomy and Physiology (I)</td><td>3</td></tr> <tr> <td>6. Basic Anatomy and Physiology (II)</td><td>3</td></tr> </table>	Course name	No. of credit(s)	1. Introduction to Biomedical Engineering	6	2. Dissertation	12	3. Seminar III	2	4. Seminar IV	2	5. Basic Anatomy and Physiology (I)	3	6. Basic Anatomy and Physiology (II)	3	
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1. Introduction to Biomedical Engineering	6														
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6. Basic Anatomy and Physiology (II)	3														
<p>VII. Basic courses deemed prerequisites by the department or graduate program but do not carry graduation credits: a total of _____ credit(s).</p>															
<p>IIX. Ph.D. student evaluation By the end of the first academic year, each Ph.D. student must find an advisor with the consent of the head of the department or graduate program.</p>	<p>Ph.D. students who fail to find an advisor during the required period will be required to take a one-semester suspension.</p>														
<p>IX. Ph.D. qualifying examination: Graduate students who have completed the minimum term of study, obtained the required credits, and have written a dissertation proposal and the dissertation's basic content may apply for the Ph.D. qualifying examination. The examinee will be considered qualified when 2/3 or more of the examination committee members issue a passing score.</p>	<p>Students who fail the Ph.D. qualifying examination cannot apply for a dissertation defense. Students who fail the qualifying examination twice will be expelled.</p>														
<p>V. Ph.D. degree examination (dissertation defense) 1. Graduate students must obtain a certificate of study on research ethics education before applying for a dissertation defense. The requirement is determined by each department, graduate program, or degree program. 2. Students who have passed the Ph.D. qualifying examination and finished their dissertation draft may, after enrolling for the semester and completing course registration, apply to hold a dissertation defense at least 20 days prior to the scheduled examination day. The passing grade for a dissertation defense is 70.</p>	<p>The dissertation defense composes 50% of the graduation grade. <u>Graduate students may self-study through the Center for Taiwan Academic Research Ethics Education website and acquire a certificate of study by passing the final test. Students from departments, graduate programs, or degree programs that have their own requirements for professional academic research ethics courses should follow their division's practices.</u> Students who receive a failing score for their dissertation defense and have not reached the maximum years of study may apply for re-examination in the next academic year or the next semester. If another failing score is received, then the student will be expelled. If the student passes the re-examination, he or she will receive a score of 70.</p>														
<p>XI. Others: 1. English proficiency graduation requirement: Not established 2. Student must publish two SCI papers before submitting a doctoral dissertation for first review. The relevant requirements are as follows: (1) Student must publish at least two SCI original research papers and student must be the first author and advisor or co-advisor must be the corresponding author. And, one of these papers must rank within Q1 field. (2) The content of the work must have basic research content, coherent themes, and be consistent with the content of the doctoral dissertation. Reports, review papers, conference papers, and communication letters cannot be claimed as the published papers.</p>	<p>According to Article 2 of the NCHU Guidelines for Including English Proficiency as a Graduation Requirement, each department and graduate program may establish their own English proficiency requirement for their graduate students (Established on the 57th Academic Affairs Meeting on 2009.03.26).</p>														

※ Regulations on required courses and graduation credits are to be filled in according to the curriculum of each department or graduate program for each year. Curriculum website: <http://www.oaa.nchu.edu.tw/rule01.htm>

※ To change graduation requirements, please follow the simplified procedure. If neither courses nor credits are changed, then it is not necessary to submit the form for every academic year.

※ This table was amended according to the minutes of the 62th, 70th, and 71st Academic Affairs Meetings.

Department (graduation program, degree program) contact person:

Department (graduation program) supervisor signature: