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## 4. GRADUATE PROGRAM

### 4.2 Education System

#### 4.2.1 Method of Education Delivery

The delivery of education services is carried out by using credits (sks) as a measurement of evaluating students' learning outcomes.

Credit is a way of organizing higher education programs to explain their academic weight.

**The semester** is a minimum period that describes the duration of the education program.

**The General Objective** of the credits (sks) method is to enhance the extent to which higher education can be developed. It involves the presentation of education programs that are flexible and more varied, gives greater opportunity to students when choosing programs, and focuses on planning a definite professional path.

**The specific objectives are:**

1. Allow the students who are clever and diligent to finish their studies in a minimum duration.
2. Allow the students to choose the subject according to their interest, talent, and capacity.
3. Give the possibility to the execution of the education system with plural input and output.
4. Facilitate the adaptation of the curriculum to the rapid development of knowledge and technology.
5. Enables the evaluation system of advanced learning of the students to be conducted optimally.

**Basic Characteristic of Credit is:**

In the credit system, each subject has a weight, namely credit value. The credit value of subjects is various. It is determined by the effort to finish the tasks presented in the lecture program, job training, practical work, and other tasks.

In the credit system, each subject is finished in one semester that lasts for 12-16 weeks (exclude mid-exam and final exams). In addition to quantitative valuation, the credit system acknowledges that the finishing of the study unit could be valued quantitatively by giving a weight to the relevant unit — the weight of each subject, namely credits.

One credit is made up of:

1. An academic hour of scheduled face-to-face learning in the classroom with lecturer.
2. An academic hour of structured academic activity which is not scheduled but has been planned by education staff (lecturers), e.g.: a review session or seminar.
3. An academic hour of independent academic activity like reading, summarizing, working on papers etc.

The delivery of education at the Binus Graduate Program, BINUS UNIVERSITY is achieved through teaching materials, discussion, speeches, case studies, and conducting research.

## 4.2.2 Evaluation System

### Evaluation in Final Score of Master Score

Table of Evaluation System Scoring for Master Program

Element		
Score of Assignment	Score of Paper / Project	Score of Final
30 %	30 %	40%

The evaluation system that meets the objectives of the education is varied according to each courses needs.

The evaluation system in the doctoral program is divided into coursework, publications, and dissertations. Each of these sections has a rubric assessment.

The Final Score for the semester is presented with the following Alphabetical Values:

Presented with the following Alphabetical Values:

Table of Grading System for Master Program and Doctorate Program

Alphabetical Value	Weight	Final Score of Semester	Description
A	4	90 – 100	High Distinction
A-	3.67	85 – 89	Distinction
B+	3.33	80 – 84	Satisfactory
B	3	75 – 79	Pass
B-	2.5	70 – 74	Fail
C	2	65 – 69	
D	1	50 – 64	
E	0	0 – 49	
F	0	-	Incomplete

## 4.2.3 Credits Load in One Semester

Study load in one semester can be determined by individual ability and by looking at the students' results from the last semester, which are measured by Semester Grade Point Average (IPS/GPS), or all of the semesters by Cumulative Grade Point Average (IPK/GPA).

Semester Grade Point Average (IPS/GPS) is counted as follow:

$$GPS = \frac{\sum (KN)}{\sum K} = \frac{\sum M}{\sum K}$$

Cumulative Grade Point Average (IPK/GPA) is counted as follow:

$$GPA = \frac{\sum M}{\sum L}$$

K = Number of credits taken in related semester

N = Weight of each subject taken

M = Conversion Value ( $K \times N$ )

L = Number of pass credits

## 4.2.4 The Requirement and Regulation of the Evaluation on the Students' Progress in Studying

### Studying Success Evaluation of Professional Engineer Program (PEP)

The students must fulfil the following requirements:

- Passing the final examination of the thesis (Engineering Practise Report) and collect its soft covers.
- Obtaining minimum cumulative credits of 24 (including the thesis).
- Achieving a GPA at a minimum of 3,00.
- Have evident of submitted/accepted paper at Colloquium Seminar, National/International Seminar/Journal for students who take the research path.

### Studying Success Evaluation of Graduate Program (S2)

The students must fulfil the following requirements:

- Passing the final examination of the thesis and collect its soft covers.
- Obtaining minimum cumulative credits of 36 (including the thesis).
- Achieving a GPA of minimum 3,00.
- Achieving TOEFL scores at a minimum of 475 or equivalent.
- Not having an outstanding loan (finance, library, and administration).
- Having a paper accepted at Scopus-indexed Journal or a nationally accredited Journal.

### Studying Success Evaluation of Graduate Program (S3)

For the Doctoral Program, the students must fulfil the following requirements:

- Not having an outstanding loan (finance, library, and administration).
- Passing the final examination of the Dissertation and collecting its Hard Covers (1 exemplar) and softcopy.
- Collecting the Dissertation summary.
- Passing all offered courses in the curriculum with a minimum grade of B.
- Achieving a GPA of a minimum 3,00.
- Collecting Intellectual Property Form.
- Must be published or at least in accepted and registered stage two articles in a journal that is indexed by SCOPUS and published and presented at least one paper on International Conference proceedings indexed by SCOPUS.

### 4.2.5 Thesis

Before graduation, the student is required to prepare, present and defend his/her thesis in front of the board of examiners, and then publish it in journals at the national and international levels. Following his/her interests, the student can choose one of the three patterns thesis offered: (i) Research, (ii) Internship Project, and (iii) Case Study. The thesis research pattern is the result of analysis got from field data obtained through a survey or an experiment, based on the applied scientific principles. While a Thesis Internship Project pattern is a designed solution to the strategic problem faced by a company or organization. Thesis Case Study pattern presents a case study of an issue, data, and information related to the activities of a company or organization as well as deeply review/discuss the case. The thesis is prepared individually with the guidance of a supervisor appointed by the head of the department. Each thesis pattern is described in detail in the Guidance of Thesis Writing.

### 4.2.6 Dissertation

To fulfil the requirements for obtaining a doctoral degree (Dr), Students should finish and submit the dissertation in 5 stages: (i) Dissertation proposal (research proposal) and dissertation proposal exam, (ii) Qualifying exam, (iii) Research Findings and Research Findings Exam, (iv) Dissertation Defense 1, and (v) Dissertation Defense 2 (Open Dissertation Exam). To fulfil the mission of the Doctoral degree Program which is to advance knowledge as well as to produce high-quality research by integrating science, using the best practices, and leveraging ICT, then the dissertation must consist of either ICT as a research tool, research area, research context, or the combination of all those three.

### 4.2.7 Academic Title

Students have the right to carry the academic degree/ professional degree from BINUS UNIVERSITY once he/she has completed and fulfilled the requirements for the academic award. The degree awarded is based on government regulation.

Programs	Study Level	Academic Title
<ul style="list-style-type: none"> <li>Professional Engineer</li> </ul>	Professional	Insinyur (Ir.)
<ul style="list-style-type: none"> <li>Master Program: <ul style="list-style-type: none"> <li>Computer Science</li> <li>Information System Management</li> <li>Industrial Engineering</li> <li>Communication Science</li> </ul> </li> </ul>	S2	Magister Komputer (M.Kom.)
	S2	Magister Komputer (M.Kom.)
	S2	Magister Teknik (M.T.)
	S2	Magister Ilmu Komunikasi (M.I.Kom.)
<ul style="list-style-type: none"> <li>Doctorate Program <ul style="list-style-type: none"> <li>Doctor of Computer Science</li> </ul> </li> </ul>	S3	Doktor Ilmu Komputer (Dr.)