

Statutes of the Graduate School of Engineering Mastership

Established Nov. 13, 2012

Amended Mar. 11, 2014

Amended Dec. 1, 2014

Amended Oct. 26, 2017

Chapter 1 General Provisions

Article 1 (Purpose) The Graduate School of Engineering Mastership at Pohang University of Science and Technology (hereinafter referred to as “GEM”) aims to nurture science and engineering talents with creativity and expertise by teaching and researching in-depth theories and a wide range of applications in plant systems engineering and to contribute to the advancement of the nation and humanity by advancing science and technology.

Article 2 (Programs) GEM offers a master's degree program (hereinafter referred to as “Master’s Program”), a doctoral degree program (hereinafter referred to as “Doctoral Program”), and a program combining Master’s and Doctoral Programs (hereinafter referred to as “MS/PhD Integrated Program”).

Article 3 (Degree Conferment) ① Details concerning the conferment of master’s and doctoral degrees shall be stipulated separately. However, a master’s degree may be awarded to a student in the MS/PhD Integrated Program if he/she satisfies all the requirements for a master’s degree.

② The degrees specified in Clause 1 may be further categorized into a professional degree and an academic degree. Details shall be stipulated separately.

Article 4 (Department and Admission Capacity) ① The Department of Plant Systems Engineering shall be established for each degree program in GEM.

② The admission capacity of each degree program shall be determined by the Ministry of Education.
(Amended October 26, 2017)

Chapter 2 Admissions and Readmissions

Article 5 (Time of Matriculation) Matriculation to GEM shall take place within 30 days from the first day of a semester.

Article 6 (Eligibility) ① An applicant for the Master’s or MS/PhD Integrated Program must have a bachelor’s degree or its equivalent.

② An applicant for the Doctoral Program must have a master’s degree or its equivalent.

Article 7 (Application Process) ① An applicant for each degree program at GEM must submit the following documents, pay application fee, and follow the prescribed admission review process.

1. Master’s or MS/PhD Integrated Programs

- Application form, certificate of graduation or certificate of expected graduation (undergraduate), official academic transcript(s) for all undergraduate years, list of research achievements, and research plan.

2. Doctoral Programs

- Application form, certificate of master’s degree or certificate of expected master’s degree, official academic transcripts (both undergraduate and graduate), and a copy of the master’s thesis.

② If a student currently enrolled in the Master’s Program at GEM wishes to apply for the MS/PhD Integrated Program, he/she must fill out and submit a prescribed application form to the Dean of GEM.

Article 8 (Admission Review Process) ① GEM admission decisions shall be based on the following. However, the President of the University may waive part of the process or use a different method as necessary.

1. Review of documents on the academic background and achievements of an applicant.

2. English proficiency test (for applicants from non-English speaking countries).

3. Oral examination on an applicant's major field of study (For an international student, this may be replaced by two or more letters of recommendation from professors of the university from which he/she graduated.)

② Details concerning the admission of a current Master's Program student at GEM to the MS/PhD Integrated Program shall be stipulated separately.

Article 9 (Enrollment Process) Admitted students must submit all required documents and pay fees within a designated period.

Article 10 (Readmissions) ① If a person who has voluntarily withdrawn or has been dismissed from the University applies for readmission, the President of the University may grant readmission to the applicant within the admission capacity of the year, following deliberations by the GEM Committee. However, the following persons shall not be readmitted:

1. A person who has exceeded the enrollment time limit as specified in Article 15, Clause 3 of these Statutes.
2. A person who has been dismissed from the University for a disciplinary reason as provided for in Article 15, Clause 4 of these Statutes.

② If an applicant is granted readmission, credits he/she earned in the past shall be reappraised.

Chapter 3 Enrollment and Change of Academic Status

Article 11 (Enrollment) Students must enroll, pay tuition and complete the course registration within the designated enrollment period of each semester.

Article 12 (Leave of Absence) ① A student who is going to be absent from classes for one-fourth or more of the total days of instruction in a semester because of illness or other unavoidable circumstances may submit an application for leave of absence and take a leave of absence upon approval by the President of the University.

② Each leave of absence shall not exceed two consecutive semesters. The combined length of leave a student may take during his/her course of study shall not exceed three semesters in the Master's Program and four semesters in the Doctoral Program. However, the period of leave for the compulsory military service shall not be counted when calculating the combined length of leave.

Article 13 (Returning from a Leave of Absence) ① If a student's leave of absence expires or the reason for the leave becomes no longer valid, the student must submit a Request to Return from Leave of Absence during the enrollment period of the returning semester and obtain approval from the President of the University.

② Return from military leave shall only be allowed within one year from a student's discharge; if the date of discharge falls within the first one-fourth of the total days of instruction, the student may be allowed to enroll for the semester, notwithstanding Clause 1.

Article 14 (Voluntary Withdrawal) Any student wishing to voluntarily withdraw from the University must submit an application for withdrawal co-signed by his/her guarantor and obtain approval from the President of the University.

Article 15 (Dismissal from the University) A student in any of the following categories shall be dismissed from the University by the President of the University following deliberations by the GEM Committee, and the student and his/her parent(s) shall be notified accordingly:

1. A person who fails to return to school in the semester following the end of his/her leave of absence.
2. A person who fails to enroll within the designated enrollment period of each semester.
3. A person who fails to earn his/her degree within the enrollment time limit for degree completion (Refer to Article 19).
4. A person who has been dismissed from the University as a result of a disciplinary decision by the Graduate School of Engineering Mastership Committee.

Article 16 (Appeals) A student who has been notified of his/her dismissal in accordance with Article 15 may appeal the decision within two weeks of the date of notification.

Article 16-2 (Transfer) A student who wishes to transfer may do so subject to approval by the President of the University following deliberations by the GEM Committee and Committee of the graduate school he/she is wishing to transfer to. (Established October 26, 2017)

Chapter 4 Classes and Credits

Article 17 (Days of Instruction) The total days of instruction in an academic year shall be a minimum of 30 weeks.

Article 18 (Curriculum) Matters concerning the planning and operation of the academic curriculum to be followed by students shall be determined separately by the President of the University.

Article 19 (Minimum Time Required to Graduate and Enrollment Time Limit) ① The minimum time required to complete the Master's or Doctoral Program at GEM shall be two years each. The minimum time required to complete the MS/PhD Integrated Program shall be four years. However, for a student who satisfies the degree requirements early with accelerated coursework, credits carried over from another degree program, recognition of credits earned at Pohang University of Science and Technology (hereinafter referred to as "University") and other graduate institutions, and/or an outstanding thesis, the required time may be reduced by one year for the MS/PhD Integrated Program and by six months for the Master's or Doctoral Program.

② The enrollment time limit in GEM shall be three years for the Master's Program, six years for the Doctoral Program, and seven years for the MS/PhD Integrated Program.

③ If a student enrolled in the Master's Program at GEM is admitted to the MS/PhD Integrated Program, the time he/she spent in the Master's Program shall count towards the minimum time required to graduate and the enrollment time limit for the MS/PhD Integrated Program.

④ Periods of leave of absence shall not count towards the enrollment time limit in each degree program.

⑤ If the enrollment time limit needs to be extended for unavoidable reasons, the President of the University may grant an extension of one year up to two times following deliberations by the GEM Committee.

⑥ Stipulations about part-time students shall be provided separately in detailed rules.

Article 20 (Full-time Enrollment) A Master's Program student must enroll full-time for a minimum of two semesters. A Doctoral Program student must enroll full-time for a minimum of four semesters. However, exceptions may be allowed subject to approval by the Dean of GEM.

Article 21 (Completion of Coursework) ① A student may be granted the Completion of Coursework status in special cases provided that the student has earned the credits required for the Completion of Coursework as provided for in Article 22 of these Statutes, maintained a grade point average of B0 (3.0) or higher, and was enrolled in the Doctoral Program for a minimum of four semesters.

② A research student who has been granted the Completion of Coursework status in accordance with Clause 1 and is engaged in research required for a degree may be granted the same rights and obligations as a student.

Article 22 (Course Credits and Research Credits) ① Course credits refer to the credits earned by taking courses in the curriculum separately established by GEM. Up to six course credits may be recognized by taking undergraduate courses, subject to approval of a student's academic advisor and the Dean of GEM.

② Research credits refer to the credits earned through research activities such as thesis research, seminars, and experiments.

Article 23 (Credits Required for the Completion of Coursework) ① The minimum credits required for the Completion of Coursework shall be 38 for the Master's Program, 36 for the Doctoral Program, and 60 for the MS/PhD Integrated Program. (Amended March 11, 2014, and December 1, 2014)

② The minimum course credits required shall be 26 for the Master's Program, 18 for the Doctoral Program, and 42 for the MS/PhD Integrated Program. (Amended March 11, 2014, and December 1, 2014)

Article 24 (Credits per Semester) A graduate student at GEM may earn 3 to 18 credits each semester including research credits.

Article 25 (Credit Units) For course credits, one credit unit shall represent a minimum of 15 class hours in one semester. However, a separately determined criterion shall be applied to research credits earned through activities such as thesis research, seminars, and experiments.

Article 26 (Credits from Other Programs) ① If an undergraduate student of the University earns credits from a course offered in GEM, the credits may be recognized later as credits for the Master's or MS/PhD Integrated Program.

② Credits earned by a Master's Program student in GEM by taking a course offered in the Doctoral Program may be recognized later as credits for the Doctoral Program.

③ For the application of Clauses 1 and 2, only the credits earned in excess of the requirements for graduation or the Completion of Coursework status shall be recognized; such credits shall be subject to a prescribed evaluation process and approval by the President of the University. Details concerning the matter shall be stipulated separately.

Article 27 (Credits Earned in the General Graduate School of the University) A student of GEM may earn credits by completing courses offered in the (General) Graduate School of the University (hereinafter referred to as "General Graduate School") upon approval by his/her academic advisor and the Dean of GEM.

Article 28 (Grading) ① Courses with course credits shall be evaluated based on examination results, assignments, attendance, etc. Letter grades and their corresponding points shall be as follows:

Grade	A+	A0	A-	B+	B0	B-	C+	C0	C-	D+	D0	D-	F
Point	4.3	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7	0

② Courses with research credits shall be graded with "S" (Satisfactory) or "U" (Unsatisfactory).

③ If a student cannot submit all the work required for evaluation, a grade of "I" (incomplete) may be given provisionally.

Article 29 (Credit Recognition and Grade Point Average Calculation) ① Only the credits from courses with a grade of D- or higher or S shall be recognized as credits earned.

② The grade of S shall not be included in the calculation of a grade point average.

Article 30 (Change in Course Registration) A student may change his/her course registration during a designated course registration change period with approval from his/her academic advisor and the Dean of GEM.

Article 31 (Course Withdrawal) A student may withdraw from a course between the fourth and the ninth week of instruction each semester, with approval from the course instructor and his/her academic advisor. The student shall receive a grade of "W" for the course. Discontinuing a course within the first three weeks of instruction shall be regarded as a drop.

Article 32 (Make-up Examination) ① A student who is unable to take an examination for illness or other unavoidable circumstances must submit a request for make-up examination with approval from the course instructor.

② A make-up examination must be taken before the next semester starts.

Article 33 (Attendance Requirements for Credit Recognition) A student who misses one-fourth or more of the total classes without justifiable reason shall not be awarded credits.

Article 34 (Repeating Courses) A graduate student may not repeat a course unless approved by the Dean of GEM.

Article 35 (Recognition of Credits Earned at Other Graduate Institutions) ① Credits earned from graduate study in other institutions (domestic or overseas) may be recognized by the President of the University following deliberations by the GEM Committee.

② A student may earn credits from other graduate institutions (domestic or overseas) that have entered into a cross-registration agreement with the University or that are recognized by the President of the University.

③ Stipulations as to how many of the credits earned under Clause 1 or 2 may be recognized shall be provided separately in detailed rules.

Article 36 (Special Lecture) Special lectures may be offered in the Master's or Doctoral Program in GEM during summer/winter breaks following deliberations by the GEM Committee and approval of the President of the University. Credits may be awarded for these special lectures.

Chapter 5 Non-degree Programs

Article 37 (Public Lectures) GEM may offer public lectures to those who wish to acquire knowledge and skills necessary for general education or academic research following deliberations by the GEM Committee.

Article 38 (Short-term Courses) GEM may offer short-term courses to its students and/or industry employees who wish to acquire knowledge and skills necessary for the cultivation of engineering mind following

deliberations by the GEM Committee.

Article 39 (Research Students) ① A person who is eligible to enter GEM and wishes to attend a class or participate in a research project may audit a class or take part in the research as a research student provided he/she passes a prescribed screening and review conducted by GEM.

② A research student must pay tuition fees as necessary. If a research student participates in research, he/she may be paid compensation with the approval of the President of the University.

③ A research student who has shown satisfactory research performance may be given a Certificate of Research Performance.

Chapter 6 Financial Support

Article 40 (Financial Support) ① Financial support such as scholarships may be granted to the students of GEM; details on this shall be stipulated separately.

② Details concerning the appointment and management of student assistants shall be determined separately by the Dean of GEM.

Article 41 (Restrictions on Financial Support) ① (Deleted)

② If a student receives a grade point average below B0 (3.0) at the end of the preceding semester, he/she shall not be granted financial support for the following semester.

Chapter 7 Disciplinary Measures

Article 42 (Academic Warning) ① A student with a grade point average below B0 (3.0) for a semester shall be given an academic warning.

② A student who has received two academic warnings during his/her course of study may be dismissed by the President of the University following deliberations by the GEM Committee.

Article 43 (Disciplinary Measures) ① The GEM Committee shall decide on a disciplinary measure against a student who has committed an act in disregard of his/her duty as a student.

② Disciplinary measures shall include probation, suspension (for a definite or an indefinite period), and dismissal.

③ All disciplinary measures shall be lifted when their effective term expires. The Dean of GEM may request the GEM Committee to lift a disciplinary measure (including suspension for an indefinite period) prior to its expiration.

Chapter 8 GEM Committee

Article 44 (Organization) The GEM Committee shall consist of 4 to 10 GEM faculty members appointed by the President of the University, with the Dean of GEM serving as the chair. If necessary, however, the President of the University may appoint to the committee a faculty member of the University who is in a department other than GEM.

Article 45 (Term of Office) The term of office of a committee member shall be two years. The term of a member appointed to fill a vacancy, however, shall be the remaining term of his/her predecessor.

Article 46 (Matters for Deliberation) The GEM Committee shall deliberate on the following matters:

1. Matters concerning admissions, completion of coursework, and the conferment of degrees for GEM students.
2. Matters concerning the establishment of basic plans for academic affairs of GEM.
3. Matters concerning the opening and closing of departments or majors and student enrollment capacities in GEM.
4. Matters concerning the curricula in GEM.
5. Matters concerning the establishment, amendment and abolishment of rules and regulations concerning

GEM.

6. Matters concerning awards for, and disciplinary measures against, graduate students.

7. Other matters concerning the operation of GEM.

Article 47 (Convening a Committee Meeting and Passing a Resolution) The GEM Committee shall be convened by the Dean of GEM when necessary; a resolution shall be passed on the majority vote of the current members.

Chapter 9 Conferment of Degrees

Article 48 (Degree Conferment) GEM may award Master of Science and Doctor of Philosophy degrees. The Regulations on the Conferment of Graduate Degrees, which govern matters pertaining to the conferment of degrees in the General Graduate School of the University, shall apply *mutatis mutandis* to matters pertaining to the conferment of degrees in GEM.

Article 49 (Thesis Committee) Notwithstanding the provisions of the foregoing Article, which stipulates that a student's thesis committee chair shall be his/her academic advisor, the Dean of GEM may appoint a tenure-track or tenured faculty member of the University who is not the student's academic advisor as the chair of the student's thesis committee.

Chapter 10 Amendment of Statutes

Article 50 (Statutes Amendment Procedures) Amendments to these Statutes shall take effect with approval from the President of the University following advance notice and deliberations by the GEM Committee.

Chapter 11 Mutatis Mutandis Application

Article 51 (Mutatis Mutandis Application) The Statutes of the Graduate School of Pohang University of Science and Technology shall apply *mutatis mutandis* to matters other than those specifically provided for in these Statutes.

Addendum

These Statutes shall be established and take effect on November 13, 2012.

Addendum

These amended Statutes shall take effect on March 11, 2014.

Addenda

1. (Effective Date) These Statutes shall be established and take effect on December 1, 2014.
2. (Interim Measures) Details concerning the credits required for the Completion of Coursework provided in Article 23 shall apply to students admitted in 2015 and thereafter.

Addendum

These amended Statutes shall take effect on October 26, 2017.