國立高雄師範大學工程國際碩士學位學程研究生修業要點(修正後)

103.01.07 102學年度第1學期第2次院課委會議通過

103.01.09 102學年度第1學期第3次院務會議審議通過

103.04.09 102學年度第2學期第1次教務會議通過

104.4.23 103學年度第2學期第2次院課委會議通過

104.4.28 103學年度第2學期第1次院務會議通過

104.6.10 103學年度第2學期第2次教務會議通過

106.03.09 105學年度第2學期第1次院課委會議通過

106.03.14 105學年度第2學期第1次院務會議通過

106.4.19 105學年度第2學期第1次教務會議通過

106.07.06 校長核定

106.09.19 106學年度第1學期第1次院課委會議通過

一、入學資格

本學程碩士生係依據「教育部外國學生來臺就學辦法」及「[國立高雄師範大學外國學生入學招生規定](http://www.nknu.edu.tw/~randd/ran/profile/forigen_student/forigenstudent_entrylaw.doc)」申請入學之外籍生。

二、修業年限

依據本校學則第五章第25條第3項規定修業年限一至四年為限。

三、學分制度及課程要求

（一）畢業前至少須修畢專業科目共24學分（不含碩士論文6學分），其中包含共同選修至少8學分(含書報討論A及書報討論B，共2學分)及選修本類專業課程至少9學分。

（二）學期成績以七十分為及格，適用畢業學分之應修科目，由**科技**學院院課委會議認定。

四、 論文指導

（一） 碩士生入學至第一學期結束前，須自本學程各專任教師中選擇一位為論文指導教授，並繳交經指導教授簽字同意之敦請論文指導教授協議書。

（二） 如欲選擇**院**外學者專家為共同指導教授，最遲須於資格考通過之次學年度第一學期開學第一週前提出書面申請，如獲通過，仍須有一位本學程專任教授擔任論文指導教授。

（三） 學生改聘指導教授，應先取得原指導教授之書面許可，填寫「改聘論文指導教授申請書」送科技學院報備。

五、畢業

本學程碩士生於修畢規定之課程學分數，通過畢業論文，即取得畢業資格。

六、學位考試及相關考核規定

本學程碩士生完成碩士論文後，經指導教授同意申請論文口試，並由校內外口試委員三至五人（校外委員須三分之一以上）出席審查及口試。其他相關考核依學位授予法及本校學則規定辦理。

七、學位名稱

本學程碩士生論文口試通過，依法由本校授予工學碩士學位。

八、辦理離校手續

通過論文考試者，應依論文考試委員意見修改論文，並經指導教授認可後，於校定時間依離校手續單程序至各有關單位辦理離校手續。

九、附則

（一）本要點未盡事宜，依大學法、學位授予法、本校學則及其他相關規定辦理。

（二）本要點經科技學院課程委員會議、院務會議、教務會議通過，陳請校長核定後實施，修正時亦同。

**National Kaohsiung Normal University**

**College of Technology**

**Engineering International Graduate Program  
*Academic Regulations for Master of Engineering Degree***

Version 1(January 7, 2014)

Version 2(April 23, 2015)

Version 3(March 9, 2017)

1. **Admission Criteria**
2. According to Article 5 of the “Regulations Regarding International Students Undertaking Studies in Taiwan” published by the Ministry of Education and the “Foreign Student Admission Procedure” of National Kaohsiung Normal University (NKNU), only the students, who are not citizens of the Republic of China and do not possess the legal status of over­seas Chinese, are eligible to apply as international students.
3. International students who have earned or will earn a bachelor's degree at accredited universities in Taiwan or other countries are eligible to be considered for admission to the Master Programs offered by the College of Technology at NKNU.
4. A newly admitted graduate student may defer his/her enrolment for one semester with the permission of the director of the enrolling institute. The student must submit a request for deferred enrolment along with documents explaining the reasons for the deferral before he/she registers at NKNU. The request will only be approved if it is justified with compelling reasons.
5. **Term of Study**
6. The term of study for master degree is one to four years.
7. A student may apply for leaves of absence from his/her enrolled institute. The leaves must be approved by the thesis advisor of the student and the director of the program. The leaves may last one or more semester(s) or academic year(s). The total duration of leaves is normally limited to four semesters or two academic years. Extended leaves of absence those last more than two academic years will be approved only if the student suffers from a serious chronic illness, and the diagnosis is certified by a public hospital. The application of extended leaves of absence must be approved by the Office of Academic Affairs.
8. **Course Work and Credits**
9. Every master degree student enrolling in Engineering International Graduate Program (EIGP) must complete at least **twenty-four (24)** credit hours of graduate-level courses**(**not including Thesis**)** before graduation. The curriculum should consist of the following **three** categories. Master degree students are required to select one from the three concentrations as their major selected technical courses **(required at least 9 credits),** along with two other courses **(selected 8 credits,** including Seminar I and Seminar II**)** from the other two concentrations as common technical courses.
10. Major Technical Courses [**required at least 9 credits**]

The major technical courses are determined by the Curriculum Committee of academic institutes in the College of Technology. These courses are listed in the “List of Major Technical Courses”. **Master degree students are required to select one from the three concentrations as their major technical courses (required at least 9 credits).**

1. Common Technical Courses [**selected 8 credits but not required**]

The Common technical courses include all the major technical courses in the other two concentrations.

1. Graduate Seminar Course [Mandatory, 0 credit]

Every student must enroll in the graduate seminar course for at least three semesters before graduation. For those students who graduate in one year, they should take the seminar course in both semesters.

1. Transfer of Credits

At most three graduate-level major courses completed at other accredited institutes with passing grades may be counted toward the fulfillment of the course requirements of an enrolled student. A student who seeks a transfer of credit must submit an application for credit transfer to his/her thesis advisor or the director of the program within the first two weeks after his/her enrollment into NKNU. The student should provide official transcripts and courses information to substantiate the application**.** Whether the credits are eligible for transfer shall be consider according to the university’s Guidelines for Credit Transfer. The application must be approved by the Academic Affairs Committee of this program.

1. A student who fails to complete the course requirements and/or pass the master degree examination within his/her term of study will be dismissed from the program. His/her enrollment at NKNU will be also terminated.
2. **Thesis**
3. A student must select a thesis advisor and submit the Thesis Advisor Agreement Form within his/her first semesterat NKNU. Student may select his/her thesis advisor among the full-time faculty members of the College of Technology. Student who wants to receive joint supervision from faculty members of other institutes must obtain the permission from his/her thesis advisor.
4. Every student should submit a thesis proposalsix months prior to his/her application for a Degree Examination.
5. In order to change thesis advisor, a student must obtain permissions from the original advisor, the new advisor and the director of the EIGP program.
6. **Graduation**
7. Master students who have satisfied the following criteria may take the Master Degree Examination.
   1. Those who have completed the required coursework and the required credit hours within the limit of their study terms.
   2. Those who have passed the required examinations in accordance with the master programs.
   3. Those who have submitted their master theses in English.

Students who met the requirements stated above and passed the master degree examination administered by the examination committee will be awarded the master degree.

1. Under normal conditions, students should take their master degree examination after completing all the required coursework. In some cases, with the recommendation of thesis advisor, a student may take the master degree examination before completing his/her courses. The degree will be awarded upon the successful completion of all the courses and the earning of sufficient credit hours. The master degree examination will be deemed invalid if the student fails to satisfy the requirements before the end of the semester.
2. The Master Degree Examination is usually conducted in the form of an oral examination. An additional written examination may be held if necessary. The examination should be conducted according to the following rules.
   1. The oral examination should be held in public with its time, place and thesis topic of the candidate to be announced in advance.
   2. Members of the degree examination committee should attend the examination in person. No substitution or proxy arrangement is permitted. The examination can only be held with at least three committee members in attendance.
   3. Committee of the master degree examination should consist of 3-5 members. The committee members need to satisfy at least one of the following conditions:

(i) Who had been a professor, an associate professor or an assistant professor.

(ii) Who had been an academician, researcher, associate researcher or an assistant researcher in ACADEMIA SINICA.

(iii) Who possesses Ph.D. degree, and does excellent in academia.

(iv) Who has great achievements in special research fields.

(iii) and (iv) should be recognized by a certain committee of this program. Relatives of the students cannot be the member of degree examination committee.

* 1. A chair person (other than the thesis advisor of the student) will be elected within the examination committee.
  2. The student is deemed passing the examination if he/she obtains an average score of seventy (70) or above out of one hundred (100). Nevertheless, when the majority of the committee members issue failing scores (lower than 70), a decision of failure will be made without calculating the average score.
  3. A student who passes the examination will receive comments and suggestion for revision as guidelines for the revision of the thesis from the committee. Once the thesis is revised, it shall be reviewed by the committee agree with the revision. The thesis is considered passed if a minimum of 2/3 of the committee will sign the “Oral Defense Committee Review Form” and the grade of the oral defense is final.
  4. The student is deemed failing the examination if plagiarism or fraudulence is found and confirmed by the examination committee.
  5. A student who has failed his/her master degree examination may take the examina­tion one more time in the following semester or academic year. A candidate who fails the examination for a second time will be dismissed from his/her enrolled program.
  6. If a member of the examination committee is physically absent from the examination, he/she is regarded to waive his/her right to serve in the examination committee. He/ she may not ask for a make-up examination nor sign on the Thesis Approval Form.
  7. Conformed to the policies of the national library, students should submit three printed copies of their thesis one to his/her enrolled institute, one to the school library and one for the Ministry of Education for archiving within one month after they passed their master degree examination.

1. Every student must complete the graduation procedures before he/she may obtain his/her diploma.
2. **Prologue**
   1. The rules and regulations stated in this document shall be administered after they are approved by the Curriculum Committee of the College of Technology, and the University Academic Office. Any revision to this guideline must follow the same procedures.
   2. Any regulation not mentioned above should be processed according to the related rules of NKNU.

If any discrepancy exists between the English texts and the Chinese texts of the academic regulations, the Chinese texts prevail.

Appendix: List of Major Technical Course( **2017 Spring)**

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| **Major Technical Courses for 3 Concentrations of EIGP** |
| **Concentration I : Electrical Engineering, (at least 3 out of 22 courses)** |
| Optical Fiber Communication 光纖通訊 |
| Laser Engineering雷射工程 |
| Principles of Liquid Crystal Devices液晶元件原理 |
| Digital Signal Processing數位訊號處理 |
| Communication Networks通訊網路 |
| System Chip Design系統晶片設計 |
| RF Integrated Circuits射頻積體電路 |
| Semiconductor Manufacturing Process Technology半導體製程技術 |
| Antenna Theory天線理論 |
| Digital Communications 數位通訊 |
| Studies in Artificial Intelligence人工智慧研究 |
| Studies in Software Engineering軟體工程研究 |
| Studies in Multimedia Network Application多媒體網路應用研究 |
| Analysis and Design of Objected-Oriented Programming物件導向分析與設計 |
| Studies in Programming Language程式語言研究 |
| Database Theories資料庫理論 |
| Studies in Computer Network計算機網路研究 |
| Object-Oriented Programming物件導向程式設計 |
| Studies in Internet Application網際網路應用研究 |
| Studies in Information and Communication Technology Application資訊與通訊科技應用研究 |
| **Semiconductor Physics 半導體物理** |
| **Microwave Engineering微波工程** |
| **Concentration II : Industrial Technology Education,(at least 3out of 11 courses)** |
| Advanced Statistics高等統計學 |
| Research Methodology研究方法論 |
| Technology Education Theory科技教育理論 |
| Curriculum and Instructional System Design課程與教學系統設計 |
| Manufacturing Technology Seminar in Instruction製造科技專題研究 |
| Studies in Construction Technology System營建科技專題研究 |
| Studies in Transportation Technology System交通運輸科技專題研究 |
| Studies in Technology Philosophy科技哲學專題研究 |
| Studies in Industrial Safety and Hygeian安全衛生專題研究 |
| **Industry Project of Mechatronics Control System機電控制系統產業專題** |
| **Motion Graphics動態圖像動畫** |
| **Concentration III : Industrial Design Engineering, (at least 3 out of 11courses)** |
| Studies in affective product design產品情感設計研究 |
| Studies in Usability使用性工程研究 |
| Kansei Design感性設計研究 |
| Chinese Character Design 漢字設計 |
| Studies in Visual Analysis視覺分析研究 |
| Studies in sustainable product design永續產品設計研究 |
| Studies in Quantitative Research of Form造形的量化研究 |
| Studies in interactive product design互動產品設計研究 |
| **Motion Graphics動態圖像動畫** |
| **Creative Design創意設計** |
| **Studies in Digital Generative forms數位衍生造型研究** |