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2024 Fall Graduate Program Handbook

Educational Affairs Team

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UNIST Honer Code UNIST 명예규율

- 1. The members of UNIST will behave conscientiously all academic procedures.
- 1. The members of UNIST will not cause harm or damage to others.
- The members of UNIST will not violate the law in all the procedures required for learning, teaching and researching, and in providing service.
- 1. The members of UNIST will respect each other and all members of the community.
- 1. The members of UNIST will be honest and diligent in academic and social lives.

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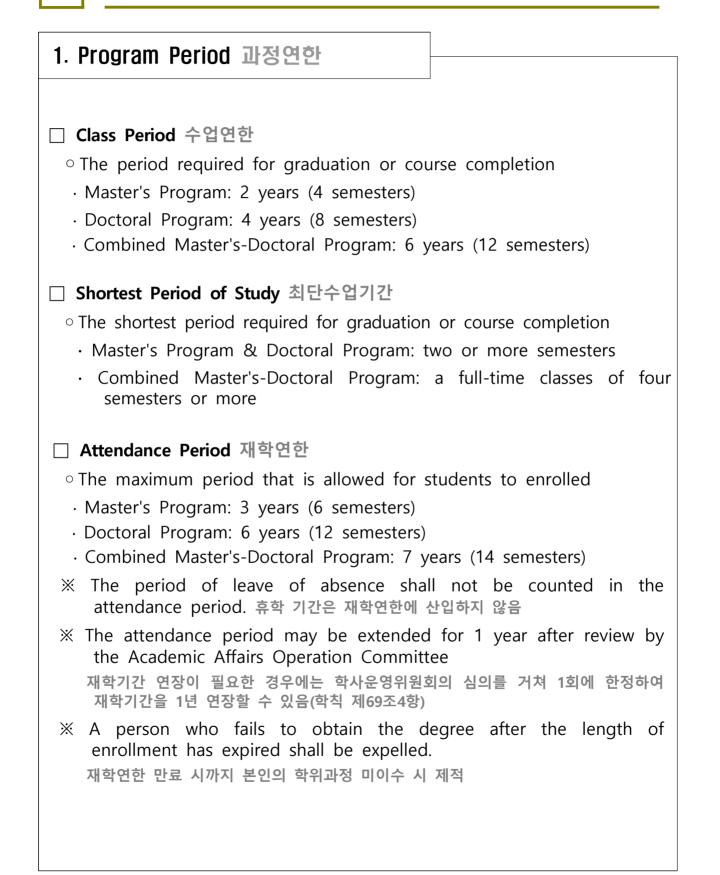
Academic Calender 2024 학사력

		Schedule	Details
		26(Mon)	The First Day of the Spring Semester 2024
	2	26(Mon) ~ 29(Thu)	Course Changes and Confirmation Spring Application for Graduation & Early Graduation
		1(Fri)	Holiday – Independence Movement Day
	3	22(Fri)	End of the First Quarter of the Semester Course Drop Deadline
		10(Wed)	The Korean National Assembly Election
	4	15(Mon) ~ 19(Fri)	Mid-term Exams
		19(Fri)	End of the Second Quarter of the Semester Leave of Absence Application Deadline(General)
		5(Sun)	Holiday - Children's Day
		6(Mon)	Holiday - Children's Day(Observed)
		7(Tue) ~ 10(Fri)	Application for Return from Absence(Summer Session)
2	5	15(Wed)	Holiday – Buddha's Birthday
0		17(Fri)	End of the Third quarter of the Semester [G]Deadline for Thesis Committee Nomination
4		20(Mon) ~ 24(Fri)	[UG]Fall 2024 Major Application & Change Period
		23(Thu) ~ 24(Fri)	Course Registration for the Summer Session
Spring		6(Thu)	Holiday - Memorial Day
Sem		10(Mon) ~ 14(Fri)	Final Exams
ester	6	14(Fri)	The End of Spring Semester
		15(Sat) ~ 9.1.(Sun)	Summer Vacation
		17(Mon) ~ 7.26(Fri)	Summer Session
		24(Mon) ~ 7.5(Fri)	[G]Application for Fall 2024 Program Change
	7	1(Mon)	Confirmation of Spring 2024 Grading
	1	1(Mon) ~ 12(Fri)	Application for Fall 2024 Leave of Absence/Return(1st)
		1(Thu) ~ 2(Fri)	Course Registration for Fall 2024 Semester
		5(Mon)	Confirmation of Summer 2023 Grading
	8	5(Mon) ~ 16(Fri)	Application for 2024 Fall Leave of Absence/Return(2nd)
	-	15(Thu)	Holiday - National Liberation Day
		16(Fri)	Conferral of Degrees(Spring 2024)
		20(Tue) ~ 22(Thu)	Tuition Fee Payment(Fall 2024)

		Schedule	Details			
		2(Mon)	The First Day of the Fall Semester 2024			
		2(Mon) ~ 6(Fri)	Course Changes and Confirmation Fall Application for Graduation & Early Graduation			
	9	16(Mon) ~ 18(Wed)	Holiday - Chuseok(Korean Thanksgiving Day)			
		27(Fri)	End of First Quarter of the Semester Course Drop Deadline			
		28(Sat)	Holiday - UNIST Foundation Day			
		3(Thu)	Holiday - National Foundation Day			
		9(Wed)	Holiday - Hangul Proclamation Day			
	10	21(Mon) ~ 25(Fri)	Mid-term Exams			
		25(Fri)	End of the Second Quarter of the Semester Leave of Absence Application Deadline(General)			
		11(Mon) ~ 15(Fri)	Application for Return from Absence(Winter Session)			
2	11	22(Fri)	End of the Third Quarter of the Semester [G]Deadline for Thesis Committee Nomination			
0		25(Mon) ~ 29(Fri)	[UG] Major Application & Change Period			
2 4		28(Thu) ~ 29(Fri)	Course Registration for the Winter Session			
4	12	16(Mon) ~ 20(Fri)	Final Exams			
Fall		20(Fri)	The End of Fall Semester			
		21(Sat) ~ 2025.3.3.(Mon)	Winter Vacation			
Sem		23(Mon) ~ 2025.1.31.(Fri)	Winter Session			
ester		25(Wed)	Holiday - Christmas			
		30(Mon) ~ 2025.1.10.(Fri)	[G]Application for Spring 2025 Program Change			
		1(Mon)	Holiday – New Year's Day			
	2025	6(Mon)	Confirmation of Fall 2024 Grading			
	1	6(Mon) ~ 17(Fri)	Application for Spring 2025 Leave of Absence/Return(1st)			
		28(Tue) ~ 30(Thu)	Holiday – Lunar New Year's Day			
		6(Thu) ~ 7(Fri)	Course Registration for Spring 2025 Semester			
		10(Mon)	Due Date for Winter Session Grading			
		10(Mon) ~ 21(Fri)	Application for Spring 2025 Leave of Absence/Return(2nd)			
	2	20(Thu)	Conferral of degrees(Fall 2024) Commencement Ceremony			
		21(Fri)	2025 Undergraduate Matriculation Ceremony			
		25(Tue) ~ 27(Thu)	Tuition Fee Payment(Spring 2025)			

General Academic Policies 학사일반

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2. Academic Leave/Return 휴·복학

leave ends.

□ Academic Leave of Absence 휴학 • Reason for academic leave: - Military service - General reasons: family affairs, illness or other unavoidable reasons 휴학사유: 군입대, 질병, 그 밖의 부득이한 사유로 인한 일반 휴학 • Students are not allowed to take a general leave of absence in the first semester after admission except military service, pregnancy, childbirth or illness can be exceptional. 질병, 임신, 출산 또는 입대 및 제외한 입학 후 첫 1학기 휴학 불가 • General leave of absence may be extended up to 2 semesters on a semester basis, and shall not exceed 4 semesters in total during the period of attendance. 일반휴학은 학기 단위로 1회 최대 2학기까지 신청 가능 재학기간 중 통산 4개 학기까지 휴학할 수 있음 • If there are unavoidable reasons, the President may authorize additional leave of absence as below. 부득이한 사유가 있을 시 아래와 같이 총장이 추가 휴학을 허가할 수 있음 Period Unavoidable reasons within 1 semester 1개 학기 이내 pregnancy 임신 childbirth 출산 within 1 semester 1개 학기 이내 within 6 semesters 6개 학기 이내 childcare 육아 within 8 semesters, but beyond that, up to the semetsers approved by the President. Business Start-up 창업 8개 학기 이내, 단 이후는 총장이 허가한 학기까지 By the time of disease improvement 질병 호전시까지 Illness 질병 Others 기타 • Academic leave of absence shall not be allowed to technical research personnel. (Inquiry: Student Affairs Team) 전문연구요원의 경우, 원칙적으로 휴학 불가능함 (문의: 학생팀) □ Academic Leave for/Return from Military Service 군휴학·군복학 • Student shall apply for academic leave of absence for military service to extend the previous leave of absence for enlistment. Student should attach copy of the notice of enlistment or military service confirmation. The student will be expelled after the designated period of academic

휴학 중인 학생이 군입대로 인해 휴학기간 연장 시 입영통지서 사본 또는 군복무 확 인서 첨부하여 반드시 군휴학을 신청하여야 함. 그렇지 않을 경우 기존 휴학기간 종 료 후 제적 조치

2. Academic Leave/Return 휴·복학

□ Application Period 신청시기

 Students can apply for their academic leave/return during the designated application period notified in the academic calendar. However, students who are discharged from military service within the first quarter of the semester can apply for their academic return in designated period of academic return schedule notified in the academic calendar.

학사력에 따른 신청 기간에 휴·복학 신청 가능. 단, 군 제대일자가 수업일수 1/4 이내일 경우 정해진 기간 내에 복학 신청 가능

 Student shall apply for academic leave until the second quarter of a semester. In this case, tuition will be carried over to the next semester.

(Student shall apply for sick leave at least 1 week before the final exam period.) 일반휴학은 수업일수 1/2선까지 신청 가능하며, 등록금은 다음 학기로 이월됨 (질병휴 학은 기말고사 전 주까지 신청 가능)

 Any cancellation of leave of absence after the approval period from advising professor and department(school) head is avoided.
 지도교수 및 학과(부)장 승인기간 이후 미승인된 휴학 건에 대해서는 학생의 학적 관 리 및 고등교육통계 보고 등으로 인해 지체없이 승인이 필요하며, 승인 기간 이후 학 생 임의의 휴학 취소는 지양함.

- □ Procedure 절차
 - ► Online Application 온라인 신청
 - Apply for the application at the portal site (http://portal.unist.ac.kr) during the designated period. 지정된 기간 내 포털에서 신청
 - Log into the portal site > Student Registry > Status Change > Application for Academic leave/return
 (Approval by the advisor will be processed on the Portal Site) 포털 로그인 > 학적 > 학적변동 > 휴.복학신청 (포털 상 지도교수 승인)
 - ► Walk-in Application 방문 신청
 - In case of academic leave for sick/illness, pregnancy-childbirth, child-care students have to fill out a 'Request for Academic Leave of Absence' and submit the request form with proof documents to the school office.
 질병휴학, 임신/출산 휴학, 육아휴학의 경우, 휴학원 작성 및 증빙서류 구비 후 소속 교 학팀 제출

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2. Academic Leave/Return 휴·복학

□ Required Documents 필요서류 • Academic leave of absence due to illness: A medical certificate from a national or public general hospital or a specialist 질병 휴학: 국·공립 종합병원 또는 병·의원 전문의 진단서 • Academic leave of academic for military service: Copy of the notice of enlistment or military service confirmation 군 휴학: 입영통지서 사본 또는 군복무확인서 • Returning to the school from military leave: A certificate of discharge or an abstract of resident registration (with details of military service recorded) 군 복학: 전역증 사본 혹은 주민등록 초본(병역사항 기재된 것) 첨부 □ Note 비고 • When applying for academic leave, student do not have overdue fees and return all books checked out. 모든 도서관 대출 도서가 반납되고 연체료가 없는 상태에서 휴학 신청 가능 • Students may return their scholarship 장학금 반납이 필요할 수 있음 • Students who have been returning home during military leave must cancel their military leave and submit documents for proof of return within 7 days without delay and change to general leave of absence. 군휴학 중 귀가/귀향 조치된 학생은 지체 없이 최대 7일 이내 군휴학 취소 및 귀가/귀향 증명 서류 제출(소속 교학팀 및 학부 행정실) 및 일반 휴학으로 변경 필요 • Students should return to school within application period for returning school for the semester when the leave of absence period has expired. Students who did not return to school during the period shall be expelled. Therefore, students are required to apply for returning school procedure or take an additional leave of absence, within the remaining general leave quota. 복학 시기는 휴학기간이 만료된 학기의 복학 신청 기간까지이며, 이 기간에 복학을 하지 않은 자는 미복학 제적 처리 되므로, 반드시 복학신청이나 잔여 휴학 쿼터 안에서 휴학 연장 신청을 해야함.

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3. Selection and Change of Major 전공결정 및 변경

□ Selection of Major 전공결정

• All students in their first semester should decide their major, advisor and conduct a pledge of ethical research through portal

▶ Portal → Academic Affairs → Student Registry → Student Info. → Advisor Appointment

모든 학생은 첫 학기에 전공 및 지도교수 결정, 윤리서약을 진행하여야 함

□ Change of Major 전공변경

 It is possible for students to change his/her major with the president's permission. 총장의 허가를 받아 전공변경 가능

- ► Required documents 필요서류
- Application for Change of Major : Advisor's opinion and approvals of advisors and department heads (before/after) should be included

전공변경신청서(지도교수 의견 및 변경 전/후 지도교수 및 학과(부)장 승인)

※ Please refer to P.12 to find information in detail for change of major 전공변경 세부내용: P.12 참조

4. Credit Transfer 학점인정

□ Credit Transfer 학점인정

 After voluntary withdrawal from UNIST or other accredited graduate schools and entered UNIST graduate program (same study program), student can transfer credits taken from the previous graduate school when they correspond with the courses in the UNIST curriculum.

본원 또는 타 대학 동일 학위과정 제적 후 해당 대학에서 취득한 학점은 UNIST 교육 과정에 상응할 경우 인정

- Only available for one half of the total course credits from other graduates schools can be recognized.
 본원 또는 타 대학에서 취득한 각 과정 및 전공별 수료 교과학점의 2분의 1만 인정
- When students apply for the credit transfer, approval from their advisors and department heads should be given.
 학점인정 신청 시, 지도교수 및 학과(부)장의 승인이 필요
- Credits obtained from UNIST are recognized and marked as they are and included in the GPA calculation.
 본원에서 취득한 학점은 이수한 학점 및 성적을 그대로 인정, 표기하며 GPA 계산 시 포함
- Credits obtained from other graduate schools are recognized as credits for alternative recognized courses in the UNIST and are excluded when calculating GPA.

타 대학원에서 취득한 학점은 본원 대체인정과목 학점으로 인정하며 GPA 계산 시 제외

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▶ Required documents: 필요서류

- Credit Transfer Application Form 학점인정신청서
- Academic transcripts from the previous graduate school 이전 대학원 성적증명서
- · Syllabus 강의계획서
- · Proof of voluntary withdrawal 제적 증빙서류

5. Credit Carryover 학점이월

□ Credit Carryover 학점이월

 1) Any excess of credits required for graduation from undergraduate courses and Master's courses with regard to credits acquired from attendance of graduate courses in UNIST

본원 학사과정 및 석사과정에서 취득한 대학원과정 과목 중 졸업에 소요되는 학점을 초과한 학점

• 2) Course credits of graduate schools can be accumulated and recognized as the number of credits required for completion from the doctoral course out of the total credits acquired after completing the master's course opened in the graduate program of UNIST.

본원 석사과정에서 취득한 교과학점을 박사 학위과정 교과학점으로 누적 인정 가능

- o all or some of the total credits from UNIST can be recognized. (only available for course credits)
 본원에서 취득한 학점의 전부 또는 일부를 인정 (교과학점만 인정)
- When students sign up for the credit carryover, approval from their advisors and department(School) heads should be given.
 학점이월 신청 시, 지도교수 및 학과(부)장의 승인이 필요
- Once credit is carried over, credits and grades earned during the previous degree will be notified in the transcript. And the records shall be included from the calculation of the total average GPA of each course.

학점이월이 승인된 교과목은 울산과기원의 각 과정에서 이수한 학점 및 성적을 그대로 인정 표기하며, 각 과정의 전체 평점 평균 계산시 포함

- ► Required documents: 필요서류
- Credit Carryover Application Form 학점이월신청서
- · Academic transcripts 성적증명서 (하위과정 학점이수표)

6. Transition of Degree Program 학위과정 변경

1. Change of Degree Program 과정변경

1) Change of program means a change from the master's program to the combined master's and doctoral program.

과정변경: 석사과정 → 석박통합과정으로의 변경을 의미함

2) Students must acquire more than 16 credits and have a GPA of 3.7 or higher to apply for change of degree program. Students who is in class period of master's program(~4th semester) can apply it.

석사과정 수업연한(4학기) 이내인 학생이 16학점 이상 이수하고 평점평균이 3.7 이상인 경우 과정변경 신청 가능함

2. Dropping of Degree Program 중도포기

1) Dropping of degree program means a change from the combined master's and doctoral program to the master's program.

중도포기: 석박통합과정 → 석사과정으로의 변경을 의미함

2) If a student attending the combined program ceases to study in the middle of the program after exceeding the duration limit of three years for a master's course, the student shall be expelled from the university if he or she fails to graduate within one semester after changing to a master's program.

석사 재학연한인 3년을 초과한 통합과정 학생이 석사과정으로 중도포기하는 경우 석사과정 변 경 후 한 학기 내에 졸업하지 못하면 제적 처리됨

3) If a student attends the combined program after changing from the master's program as of the first semester in 2012, but completes the combined program with a master's degree, any additional scholarship the student received under the doctoral program may be redeemed from the student.

2012학년도 1학기 과정변경자부터 통합과정에 재학 중인 자가 석사학위를 수여하고 통합과정을 마칠 경우 박사과정생 적용을 통해 수령한 추가 장학금은 환수할 수 있음

□ Procedures 신청절차

• Change and Dropping of Degree Program 과정변경 또는 중도포기

- Procedure: Fill out an application form \rightarrow Get an approval of academic advisor and head of the department \rightarrow Submit the form to the Academic and Student Affiars Team office

지도교수, 학과(부)장 승인 후 소속 교학팀에 서류 제출

- Form: Application for Change of Degree Program, Application for Dropping of Degree Program 과정변경신청서, 중도포기신청서

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• Application period: Refer to Academic Calendar 학사력 내 신청기간

6. Transition of Degree Program 학위과정 변경

3. Change of Major 전공변경

- Change of major means a change from one department to another department or from one major to another major within a graduate degree. 전공변경: 대학원과정생의 학위과정 내에서 학과(부) 또는 세부전공을 변경함
- 2) Students should submit an application for change of major to the head of the department. The student is changing to with the approval of the head of the department which the student is belonging to.

전공변경 신청 시 현 소속 학과(전공) 지도교수 및 학과(부)장 승인 후 변경하고자 하 는 소속 학과(전공) 지도교수 및 학과(부)장 승인이 필요함

□ Procedures 신청절차

○ Change of Major 전공변경

 Procedure: Fill out an application form → Get an approval of academic advisor and department head in both department of current and expected to be changed → Submit the form to the Academic and Student Affiars Team office

현 소속 지도교수, 학과(부)장 및 변경소속 지도교수, 학과(부)장 승인 후 소속 교 학팀에 서류 제출

- Form: Application for change of major 전공변경신청서

- Application period: Refer to Academic Calendar 학사력 내 신청기간
- □ Notes 안내사항
 - Procedure for change of degree program, dropping of degree program and change of major can be changed depending on the capacity of graduate course and departments' specific situations.

과정변경, 중도포기, 전공변경에 대해 추후 대학원과정 정원 및 학과별 상황에 따라 절차 변경 가능

• The deadline for each graduation requirements for students who changed their degree program, major or dropped degree is in accordance with the Regulations on the degree conferment and graduation requirements in each department or school.

과정변경, 전공변경, 중도포기 후의 졸업요건 충족(연구계획서 제출, 박사자격시험 등) 에 대한 내용은 학위수여규정 및 학과별 요건에 따름

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7. Tuition Fee for Excess Semester 초과학기 등록금

$\hfill\square$ Tuition Fee for Excess Semester depending on Required Credits

졸업 필요 학점에 따른 초과학기 등록금

 Students who enroll in excess of the years required for graduation from a school should pay a tuition fee depending on his/her remaining required credits for graduation.

초과학기 등록생은 졸업에 필요한 잔여학점에 따라 등록금을 납부하여야 함

Required Credits for graduation	Tuition Fee
졸업에 필요한 잔여학점	등록금
0 Credits	1/5
1~3 Credits	1/2
over 4 Credits	All

* Required credits contain course and research credits both. 졸업에 필요한 잔여학점은 교과 및 연구학점을 모두 포함함

IV Class 수업
Class 수업
 Academic Year 학년 Regular semesters: Spring and Fall for 16 weeks each 정규학기: 1, 2학기 각 16주 Seasonal sessions: Summer and Winter for 4~6 weeks each 계절학기: 여름 및 겨울계절학기 각 4~6주
 □ Attendance 출결 ○ Students shall attend at least 3/4 of the total class hours for each course to have the grade be recognized 수업의 3/4 이상 출석 시 성적인정 ○ If a student wishes to be granted attendance due to unavoidable reasons, the student may submit the attendance acknowledgement to the faculty in charge of the course to have attendance recognized. 부득이한 사유로 출석 인정받고자 하는 경우, 출석인정원을 교과목 담당교수에게 제출하 여 출석 인정 가능
 □ Repeating a Course 재수강 All Students can retake a course. Course retaking is only allowed once per course and the maximum achievable grade is B+ 재수강 제한은 없으나 한 과정당 한 번만 허용되며 최대 등급은 B+입니다 When course repeating occurs, the previous grade should be deleted and the new grade remains with the mark "R" before its course classification. 재수강 시 이전 성적은 삭제되고, 새로운 성적 앞에 "R" 표기

Grading 성적
□ Grade browsing 성적 열람
 Students can check their grade for each semester and their cumulative GPA at the portal site(http://portal.unist.ac.kr). Please click the menu of Grade and then go to Grade browsing section of this semester for more details. 포털에서 학기별 성적 및 GPA 조회 가능 (성적메뉴 > 성적 조회메뉴)
 When a student does not participate in course evaluation, he/she is not allowed to browse the grades. (Exception: seminar, master's research, doctoral research)
강의평가 미 이행 시, 성적 열람 불가 (예외: 세미나, 석·박사 논문연구)
☐ Grade correction 성적 정정
 Students can see their grades during the correction period right after the end of the term. If a student has an objection about the grades he/she can request a grade correction to his/her instructor. 학기 종료 후 성적 정정기간에 성적 확인하여 이의가 있을 경우 교수에게 정정 요청 가능
□ Academic Warning 학사 경고
 Students who received a GPA lower than 3.0 will receive an academic warning. 매 학기 평점평균 3.0 미달 시 학사경고
 If a student receives an academic warning three times in total, he/she will be expelled. (impossible for readmission) 학사경고 통산 3회 시 제적 (재입학 불가)
국제공포 중련 3과 전 제국 (제법국 철제)

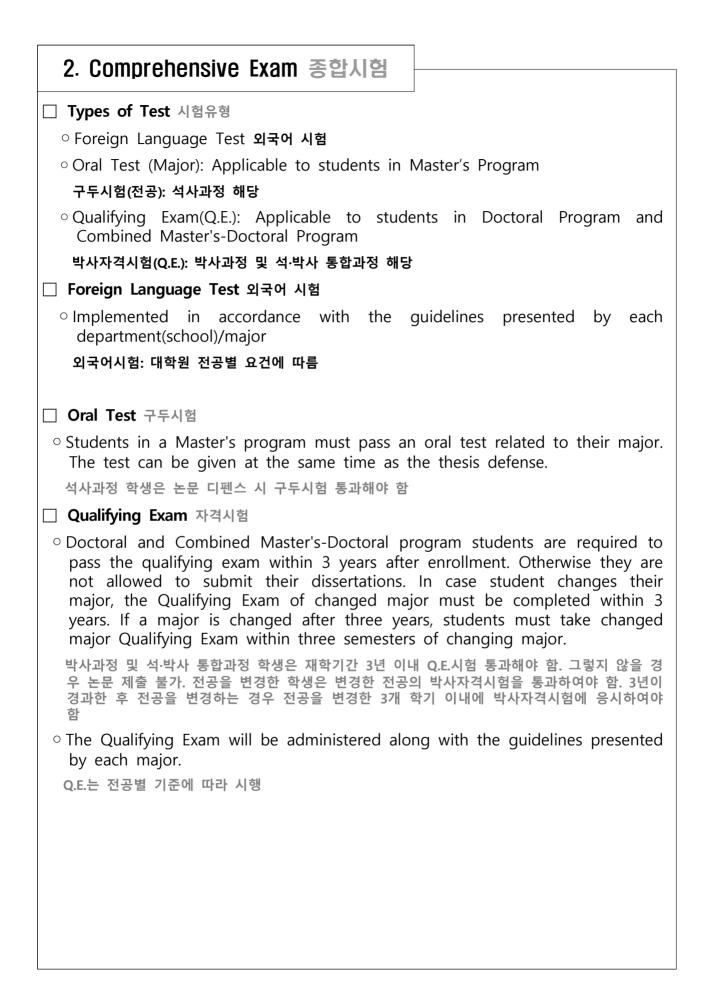


Degree Conferment 학위수여

1. Degree Requirements 학위수여요건

Category	Requirements	Master's Program	Doctoral Program	Combined Master's-Doctoral Program		
	Total Credits	at least 28	at least 60	at least 60		
	Course Credits	at least 15	at least 12	at least 21		
	Research Credits	at least 4	at least 14	at least 18		
Requirement	GPA	3.0(B0)	3.0(B0)	3.0(B0)		
for Course Completion	Qualifying Exam	-	Implemented in accordance with the guidelines presented by each school within 3 years.			
	Program Duration	 minimum: 2years (can be reduced by 1 year) maximum: 3years 	 minimum: 4years (can be reduced by 3 years) maximum: 6years 	 minimum: 6years (can be reduced by 4 years) maximum: 7years 		
	Foreign Language Test	Implemented in accoreact in accoreact in accoreact in accore in a second	ordance with the gu ool)/major	idelines presented by		
Requirement	Oral Test (Major)	Implemented in accordance with the guidelines presented by each dept.(school)	-	-		
for' Degree	Research Proposal	-	Should be submitted within two years after entrance			
	Publication	-	Implemented in ac guidelines presente department(school)	ed by each		
	Thesis/Dissertati on Defense	Implemented in accordance with the guidelines presented be each department(school)/major				

- * The credit requirements above apply to students who enter from 2018 on wards.
- * The credit requirements above is the minimum credit and students must meet their department's requirements.
- * Course Credits: Credits earned for lecture courses in curriculum.
- * Research Credits: Credits earned for courses such as Doctoral Research, Master's Research, and Seminars.
- * Research Proposal : For students entered 2018 and before, refer to previous requirements



3. Thesis Preparation 논문준비

□ Research Proposal 논문연구계획서

- * It is not applicable to students in a Master's program 석사과정 해당 없음
- A student planning to write a doctoral dissertation should submit a research proposal within two years after entrance. (applied to students who entered from Spring 2019) *In case of students who have changed their degree program from Master's to Combined MS-Ph.D two years after admission, they must submit research proposal until the last day of degree changed semester.

박사학위 논문을 작성하려는 학생은 논문지도교수의 지도를 받아 입학 후 2년 이내 논문연구계획서 제출 필요 (2019학년도 1학기 입학생부터 적용). 입학 후 2년이 경과하여 과정변경을 신청한 학생의 경우 과정 변경이 적용되는 당해학기까지 논문연구계획서를 제출

□ Nomination of Thesis Dissertation Examining Committee 논문심사위원 위촉

- All students must submit a list of proposed thesis committee members by the end of the third quarter of the semester, provided that the student has successfully passed the Oral Test(Master), QE(Doctoral, Combined), English Test and has acquired required credits with a minimum 3.0 GPA. 모든 학생은 수업일수 3/4 선까지 논문 심사위원 위촉서 제출, 전공구두시험(석사), QE(박사, 통합), 외국어시험, 평점평균 3.0이상 요건 구비 필요
- The Nomination of Thesis/Dissertation Examining Committee template must then be completed by the student, signed by each committee members and submitted to Academic&Students Affairs Team in each college(for School of Business Administration: administrative office)

각 논문심사위원 승인을 받아 소속 단과대학 교학팀 또는 학부행정실에 논문심사위촉서 제출

- A master's student's thesis committee must consist of at least three members(including the advisor). One of the thesis committee members might be outside UNIST with a related doctoral degree. 석사과정은 논문심사위원은 논문지도교수포함 3명을 위촉. 석사 논문심사위원 중 1명은 유사한 분야의 박사학위를 소지한 외부 인사를 위촉할 수 있음.
- A doctoral/combined master's-doctoral student's thesis committee must consist of at least five members (including the advisor). Outsiders with a doctorate in a similar field or Faculty members from other departments must be appointed as one or more of the dissertation examiners, and there shall be three or more professors of UNIST.

박사 및 석·박사 통합과정은 논문심사위원이 논문지도교수 포함 5명(5명 중 1명 이상은 유사한 분야의 박사 학위를 소지한 타 학과 교원 또는 외부인사를 반드시 위촉하여야 하며 울산과기원 교수가 3명 이상이어야 함)

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□ Plagiarism Checker: Turn it in 표절검사

- All students should submit the result of the plagiarism analysis for their thesis when they defend their theses to the committee members. There is a plagiarism checker, called turn it in (http://www.turnitin.com) where the student can check his/her work for potential plagiarism by comparing it against the world's largest comparison database. 논문 디펜스 시 논문표절검사 결과 제출 필요
- A log-in account is issued when the student applies for the application through the Library homepage 로그인 계정은 도서관 홈페이지에서 신청하여 발급

□ Thesis Submission 논문 제출

 Students who pass the thesis defense and are ready for graduation, a hard cover thesis along with the electronic file should be submitted to the library during the designated period: 3 copies for Master's degrees and 3 copies for doctoral degrees.

디펜스 통과 후 지정된 기간 중 문헌정보팀에 전자파일 및 양장본 제출(석사 3부, 박사 3부)

4. Degree Completion Process 학위이수과정

4-1

Master's Program Timeline

This chart displays the expected timeframe for completion of the major milestones in the program for the class entering in Fall 2024.

Master's Program Timeline Class Entering Fall 2024								
2024	2024 2025							
2 nd semester	1 st semester	2 nd semester	1 st semester	JULY	AUG.			
Matriculation								
Selection	of Major and Advisor							
	2 Years of (Class Period						
		Cour	rse Completion					
	Nomina	ation of Thesis Com	imittee					
	Thesis Defense							
Thesis Committee Approval								
Hardcover/E-file Thesis Submission								
			Gradua	tion				

□ Steps for Master's Degree

Selection of Major and advisor		Foreign Language Test		Oral Test (Major)
 When: Beginning of first semester How: Apply through portal. 		Implemented inaccordance with the guidelines presented by each department(school)/major	\Rightarrow	 When: The dates will be announced by the department. Oral test and thesis defense can be executed simultaneously. How: Students take an oral test on knowledge about major courses in English.
Nomination of Thesis Committee		Course Completion		Thesis Defense
 When: By the end of the third quarter of the semester (After making thesis outline.) How: The advisor recommends the committee and report to the Vice President of Academic Affairs. 	\Rightarrow	 When: 2 years or shorter ((exceptional) How: Duration: two years, -Credits: at least 28 credits -GPA: over 3.0. 	\Rightarrow	 When: By the last week of the semester(After The final version of thesis draft is made) How: Defense on the thesis by oral and documentary test.
Reporting the result of thesis defense		Thesis(Hard Cover) Submission		Screening of Candidates for graduation (Each Department)
 When: students are notified within the two weeks after the defense. How: The committee signs the thesis approval form and student submit the form to affiliated department/School. 	\rightarrow	 When: In the designated period. How: Submit 3 hard copies and electronic copy to the Library. 	\rightarrow	 When: During July/January How: When each school finishes the screening process, the list of prospective graduates is forwarded to the Academic Affairs Operation Committee
Screening of Candidates for graduation(Committee)		Commencement		
Uwhen: During July/January		□ When: On Feb. or Aug.		
How: The Academic Affairs Operation Committee confirms the list of prospective graduates.	$ \Rightarrow$			

4–2 Doctoral Program Timeline

This chart displays the expected timeframe for completion of the major milestones in the program for the class entering in Fall 2024.

Doctoral Program Timeline Class Entering Fall 2024									
2024									
2 nd semester	1 st semester	2 nd semester	1 st semester	2 nd semester	1 st semester	2 nd semester	1 st semester	JULY	AUG.
Matri	Matriculation								
S	election of	f Major an	ıd Advisor						
		4 Y	ears of (Class Per	riod				
	Res	Submissic search Proj							
			Qualify	ying Exam					
					Course (Completio	n		
	Nomination of Thesis Committee								
	Thesis Defense								
Thesis Committee Approval									
Hardcover/E-file Thesis Submission									
	Graduation								

□ Steps for Doctoral Degree

Selection of Program and advisor		Research Proposal Submission		Foreign Language Test
□When: Beginning of first semester □How: Apply through portal.	\Rightarrow	 □When: Submit within 2 years after entrance. □How: Submit it to the Portal after approvals of the advisor and the department(school) head. 	\Rightarrow	Implemented inaccordance with the guidelines presented by each department(school)/major
Qualifying Exam(Q.E)		Report the Q.E Result		Publication
 When: Must be passed within 3 years after entrance(6th semester) How: After students submit the application, exams are administered under self regulation by each department. 	\rightarrow	 When: Within one month after the exam. How: Each department submits the report to the Vice President of Academic Affairs 	\rightarrow	 When: Before submitting the [Nomination of Thesis/Dissertation Committee]. How: Submit evidence of publication to the school office.
Nomination of Dissertation Committee		Dissertation Defense		Reporting the result of dissertation defense
 When: By the end of 3/4 of the semester. (After making thesis outline.) How: The advisor recommends the committee and report to the Vice President of Academic Affairs. 	\Rightarrow	 When: By the last week of the semester.(After the final version of thesis draft is made) How: Defense on the thesis by oral and documentary test are administered. 	⇒	 When: Notified to the students within two weeks after the defense. How: The committee signs the thesis approval form and student submit the form to affiliated department/School.
Dissertation Submission (Hard Cover)		Screening of Candidates for graduation (Each Department)		Screening of Candidates for graduation (Committee)
 When: In the designated period. How: Submit 3 hard copies and electronic copy to the Library. 	⇒	 When: July/January How: When each school finishes the screening process, the list of prospective graduates is forwarded to the Academic Affairs Operation Committee 	\Rightarrow	 When: July/January The Academic Affairs Operation Committee confirms the list of prospective graduates.
Commencement				
□ When: On Feb. or Aug.				

4-3

Combined Master's-Doctoral Program Timeline

This chart displays the expected timeframe for completion of the major milestones in the program for the class entering in Fall 2024.

	Combined Master's-Doctoral Program Timeline Class Entering Fall 2024										
2024	2025	2026	2027	2028	2029		2030				
2 nd semester	1 st 2 nd semester semester	1 st 2 nd semester semester	1 st 2 nd semester semester	1 st 2 nd semester semester	1 st 2 nd semester semester	1 st semester	JULY	AUG.			
М	atriculation										
	Selection of Major and Advisor										
	6 Years of Class Period										
	Submission of earch Proposa	1									
	Q	ualifying Exa	m								
				Course	e Completion						
			Nominati	on of Thesis	Committee						
				Т	hesis Defense						
				Thesis Com	mittee Appro	val					
				Hardcover/E-	-file Thesis Su	ubmissi	on				
					Grad	duatior	1				

5. Department and Major of Graduate Program for 2024 Fall 2024학년도 2학기 대학원과정 학과 및 세부전공 단과대학 학과(부) 세부전공 College Department(School) Major 기계공학 Mechanical Engineering 기계공학과 Dept. of Mechanical Engineering 환경과학공학 Environmental Science and Engineering 도시건설공학 지구환경도시건설공학과 Urban Infrastructure Engineering Dept. of Civil, Urban, Earth, and 재난관리공학 Disaster Management Engineering Environmental Engineering 물에너지융합 Water-Energy Nexus 반도체 소재·부품 대학원 Graduate School of Semiconductor 반도체소재부품공학 Semiconductor Materials Materials and Devices Engineering and Devices Engineering 신소재공학과 신소재공학 공과대학 Dept. of Materials Science Materials Science and Engineering College of Engineering and Engineering 에너지공학 Energy Engineering 에너지화학공학과 에너지공학(배터리과학및기술) School of Energy and (Battery Science and Technology) Chemical Engineering 화학공학 Chemical Engineering 원자력공학과 원자력공학 Nuclear Engineering Dept. of Nuclear Engineering 탄소중립융합(에너지공학) Carbon Neutrality (Energy Engineering) 탄소중립융합(화학공학) Carbon Neutrality (Chemical Engineering) 탄소중립대학원 Graduate School of Carbon Neutrality 탄소중립융합(환경) Carbon Neutrality (Environment) 디자인학과 디자인학 Dept. of Design Design 산업공학과 산업공학 Dept. of Industrial Engineering Industrial Engineering 바이오메디컬공학과 Dept. of Biomedical Engineering 바이오메디컬공학 Biomedical Engineering 생명과학 Biological Sciences 생명과학과 Dept. of Biological Sciences 인공지능대학원 인공지능학 Graduate School of 정보바이오 Artificial Intelligence Artificial Intelligence 융합대학 혁신의학 College of Health Innovation and Entrepreneurship 의과학대학원 Graduate School of Health Science and Technology Information and Biotechnology 의과학 Health Science and Technology 전기전자공학과 Dept. of Electrical Engineering 전기전자공학 Electrical Engineering 컴퓨터공학과 컴퓨터공학 Dept. of Computer Science and Engineering Computer Science and Engineering ICT 융합 석사프로그램 ICT융합 Master Degree Program Information & Communication Technology (ICT) Convergence in Information & Communication Technology (ICT) Convergence 물리학 Physics 물리학과 Dept. of Physics 자연과학 응용물리학 대학 Applied Physics College of 수리과학과 수리과학 Natural Dept. of Mathematical Sciences Mathematical Sciences Sciences 화학과 화학 Dept. of Chemistry Chemistry 경영과학부 경영과학 School of Business Administration Management Engineering

6. Degree Requirements by Department(School) and Major 학과(부) 및 전공별 학위수여요건

※ Due to revision of Regulations on the degree conferment, degree requirements by department and major may subject to change 학위수여규정 개정에 따라 학과별 졸업요건이 변경 될 수 있음

Course		Master	r's		Doctoral			Combi	Combined Master's Doctora		
Credit		At least urse cre arch cre	dit: 18,		At least 60 (course credit: 18, research credit: 42)			At least 60 (course credit: 30, research credit: 30)			
Mandatory course	The Seminar: At least 2 credit, Master's Research: At least 8 credits				The Seminar: At least 2 credit, Doctoral Research: At least 12 credits			D	The Seminar: At least 3 credit, Doctoral Research: At least 21 credits		
Publication	At least one conference presentation or a paper accepted for publication in an SCI or SCI-E journal as the first author is required. At least one paper accepted for publication in an SC SCI-E journal as the first author							n SCI or			
			· · ·		submitted	by the	end o	of the	third quar	ter of the	semester fo
Foreign	* One o Nomination * The reg	f the be on of The gulation r	low shou esis Exam elated to No. 248 TOEFL	uld be ining (TEPS TEPS(20	Committee. score shall 018.05.12.) : L TOEFL	be app	olied to	the te	sts from N previous G-TELP	lo. 248 TEF school reg G-TELP	PS(2018.05.12 ulations (TEF TOEIC (Speaking8
Foreign Language Test	* One o Nominatio * The reg The tests 640).	f the be on of The gulation r before f	low shou esis Exam elated to No. 248	uld be ining () TEPS TEPS(2(Committee. score shall 018.05.12.) s L TOEFL	be app shall be	blied to subject	the test to the	sts from N previous	lo. 248 TEF school reg	semester for PS(2018.05.12 ulations (TEF (Speaking& Writing) 270
Language	 * One o Nominational * The regeneration The tests 640). TEST SCORE * The for scores sp Australia, which cent 	f the be on of The gulation r before f TOEIC 800 reign lan becified. I New Zes tify that	low shou esis Exam elated to No. 248 TOEFL (IBT) 80 guage te However, aland, an they we	TOEF (CBT) 213 st shal native of Irela re instr	Committee. score shall (18.05.12.) : TOEFL (PBT) 550 I be accep speakers ind) whose	be app shall be IELTS 5.5 ted as from siz native all their	TEPS 309 passed x count languag courses	the test to the OPIC IH if the rries (the rries (the ries in Eng	G-TELP (Level2) 67 score is h e United nglish or s	lo. 248 TEF school reg G-TELP (Level3) 89 igher than States, Can students wi g their unc	PS(2018.05.12 ulations (TEF TOEIC (Speaking8 Writing)

Department of Civil, Urban, Earth, and **Environmental Engineering**

○ Concentration

- ESE: Environmental Science and Engineering - UIE: Urban Infrastructure Engineering

- DME: Disaster Management Engineering - WEN: Water-Energy Nexus

Course		Maste	er's			Doct	oral	al Combined Master's Doctor				
Curdit	(0)	At leas			(0	At lea				At least 60 (course credit: 36,		
Credit		ourse cre search ci				ourse ci earch c				research credit: 24)		
					Major		D	Doctoral		Ms-Ph.D		
					Environmental Science		2			3		
					Env	ironmen gineerin			3		3	
						ter-Energ			3		3	
Publication	n Not required Urba Infrastru Engine Disas Manage			Urban rastructu gineerin			1		1			
			Disaster nageme gineerin		Committee can apply ESE standards to the thesis consi research field.		onsidering his/her					
			 * It can be accepted if the student is the 1st author or corresponding author being official UNIST's student. Also, the advisor of the student should be ascertain as a corresponding author. * A transferred student with advisor changing's achievement could be accepted under committee's review 									
	* Studer	nts are r	equired	to sub	mit the official English test result by the third quarter of the							
		, ,	TERS score shall be applied to the tests from No. 248									
					o TEPS score shall be applied to the tests from No. 248 re No. 248 TEPS(2018.05.12.) shall be subject to the previous							
	school r				No. 248 TEPS(2018.05.12.) sha				shall be s	an be subject to the previous		
Foreign Language Test	TEST	TOEIC	TOEFL (IBT)	TOEFL (CBT)	TOEFL (PBT)	IELTS	TEPS	5 OPIC	G-TELP (Level2)	G-TELP (Level3)	TOEIC (Speaking& Writing)	
Test	SCORE	800	80	213	550	5.5	309	н	67	89	270	
	* Native speakers from six English-speaking countries (United States, Canada, Britain, Australia, New Zealand, Ireland) or students who submit a certificate that states all classes student took are taught in English (bachelor's course or higher) are recognized to meet the criteria above.											
Note					OME, WE edged as			•	Accepted	for		

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	Grad	duate			of Se vices				Mate	erials		
I	Major:	Semic				-		-	es Engi	neering)	
Course		Maste	er's			Doct	oral		Com	Combined Master's Doctoral		
Credit		At leas ourse cre earch cre	edit: 18,		At least 60At least 60(course credit: 12, research credit: 48)(course credit: 24 research credit: 36							
Mandatory course	 (SE51 Semia Bridg Practi (SE51 Proce Lab The S credit Maste least 	r e t 2	Semiconductor Process: Bridging Theory and PracticeSemicon Bridging Practice• (SE511)Semiconductor Processing and Device Lab• (SE511)S Processing Lab• The Seminar: At least 2 credits (SE590 only)• The Semicon Bridging Practice• Doctoral Research: At• Doctoral					dging The actice 511)Semic ocessing a o	or Process: ory and conductor nd Device : At least 2 0 only) search: At			
ТА		Not req	uired						Once			
Publication	At least one conference presentation or a paper accepted for publication in an SCI or SCI-E journal as the first author is required							an SCI or				
Foreign Language	following Canada, students	nit Englis oreign I scores the UK, with d during	sh Quali anguage specifie Austral ocumen their ur	fication e test s ed. How lia, New ts which ndergrac	Test Sco hall be vever, na Zealand h certify duate or	re accepte tive sp d, and that t	d as p eakers Ireland hey w	from l) who ere in	six count se native structed	ries (the language for all th	gher than th United State is English c eir courses i recognized a	
Test	TEST	TOEIC	toefl (IBT)	TOEFL (CBT)	TOEFL (PBT)	IELTS	TEPS	OPIC	G-TELP (Level2)	G-TELP (Level3)	TOEIC (Speaking& Writing)	
	SCORE	800	80	213	550	5.5	309	ІН	67	89	270	
	(2) Take English (echnical W	riting in	
Note		the cas	e of (2)	above,	it may r	not be	possibl				eir entrance s due to a	

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Department of Materials Science and Engineering Major: Materials Science and Engineering

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	Major. Materials Science and Engineering											
Course		Maste	er's			Doct	oral		Com	oined Mas	ster's Doctoral	
Credit		At leas ourse cre earch cr	edit: 18,			At lea ourse cr earch c	edit: 1			At least 60 (course credit: 24, research credit: 36)		
Mandatory course	(MS R	The Sen t least 2 SE Semin esearch (t least 8	credits ar Only) Course:	,	The Seminar:The Seminar:At least 3 creditsAt least 4 credits(MSE Seminar Only),(MSE Seminar Only),Research Course:Research Course:At least 45 creditsAt least 32 credits						t credits nar Only), Course:	
ТА		Not req	uired						Once			
Publication	At least one conference presentation as a presenting author or a paper accepted for publication in an SCI(E) journal as the first author is required								an SCI(E)			
Foreign Language	(1) Subr * The f following Canada, students English	nit Englis foreign I g scores the UK, s with d	sh Quali anguage specifie Austral ocumen their ur	fication e test s ed. How ia, New ts whic ndergrad	vever, na v Zealand h certify duate or	ore accepte tive sp d, and that t	d as p eakers Irelanc hey w	from d) who: vere in:	six count se native structed f	ries (the language for all the	gher than the United States, is English or eir courses in recognized as	
Test	TEST	TOEIC	TOEFL (IBT)	TOEFL (CBT)	TOEFL (PBT)	IELTS	TEPS	OPIC	G-TELP (Level2)	G-TELP (Level3)	TOEIC (Speaking& Writing)	
	SCORE	800	80	213	550	5.5	309	IH	67	89	270	
	English):	3 credit	ts		demic Di nted in o			se) or t	SLA591(Te	echnical W	riting in	
Note	Foreign year. (In the o	Languag case of (je Test r (2) abov	equiren e, it ma	nent app	lies to e possik	all MS		5		heir entrance to a lack of	
[Interim Meas												
	ble for tee esearch pe	chnical r ersonnel.	esearch	personr	nel: The	TA req	uireme	nt mus	st be con	npleted be	2020. For Kore efore transferri	
2) Master's st	-	iving pr	esentatio	on for	their gra	duatior	n requi	iremen	t should	give a p	resentation as	
main presente												

	School of Energy and Chemical Engineering Major: Energy Engineering,											
Ene	Energy Engineering (Battery Science and Technology)											
Course	1	Master's		Do	bined Master	r's Doctoral						
Credit	(cours	least 28 se credit: 15 ch credit: 1		At least 60At least 60(course credit: 15, research credit: 45)(course credit: 24, research credit: 36)								
Mandatory course		ECHE590 Seminar:ECHE590 seminar:At least 2 creditsAt least 3 credits										
Publication	No	t required		Publish at least two international journals(SCI(E), 1st author) since the admission of a current study course Review papers will not be accepted in case of Cell/Nature/Science (except sister journals), 1 paper can be recognized as a fulfillment of requirements % The approval of the school graduate committee is required for the publication qualification								
ТА	Students m before grac		Energy Ei	ngineering m	ust conduct	t 1 TA activ	ity of any m	ajor course				
	One of the	below sho of Thesis	Examining	Ibmitted by t Committee.	he end of t	the third qua	arter of the s	emester for				
Foreign	TOEIC	TOEFL (IBT)	IELTS	OPIC	TEPS (NEW)	G-TELP (Lv.2)	G-TELP (Lv.3)	TOEIC S&W				
Language	800	80	5.5	IH	309	67	89	270				
Test	following s Canada, the students w English du	800805.5IH3096789270The foreign language test shall be accepted as passed if the score is higher than the following scores specified. However, native speakers from six countries (the United States, Canada, the UK, Australia, New Zealand, and Ireland) whose native language is English or students with documents which certify that they were instructed for all their courses in English during their undergraduate or higher degree programs shall be recognized as passing the foreign language test.										

School of Energy and Chemical Engineering Major: Chemical Engineering

Course	I	Master's		Do	ctoral	Com	bined Maste	r's Doctoral		
Credit	(cours	nimum 28 se credit: 15 ch credit: 1		(course	num 60 credit: 12, credit: 48)		Minimum 60 (course credit: 21, research credit: 39)			
Mandatory course		590 Semina um 1 credi			-	HE590 semina nimum 2 crea				
Publication		t required	si R ir p %	Publish at least two international journals(SCI(E), 1st author) since the admission of a current study course Review papers will not be accepted in case of Cell/Nature/Science (except sister journals), 1 paper can be recognized as a fulfillment of requirements % The approval of the school graduate committee is required for the publication qualification						
ТА	Students course befo			Engineerin	g must co	onduct 1 TA	activity of	any major		
	One of the Nomination	of Thesis	Examining		he end of t	the third qua	rter of the s	semester for		
Foreign	TOEIC	TOEFL (IBT)	IELTS	OPIC	TEPS (NEW)	G-TELP (Lv.2)	G-TELP (Lv.3)	TOEIC S&W		
Language	800	80	5.5	IH	309	67	89	270		
Test	following so Canada, the students w English dur	800 80 5.5 IH 309 67 89 270 The foreign language test shall be accepted as passed if the score is higher than the following scores specified. However, native speakers from six countries (the United States, Canada, the UK, Australia, New Zealand, and Ireland) whose native language is English or students with documents which certify that they were instructed for all their courses in English during their undergraduate or higher degree programs shall be recognized as passing the foreign language test.								

Department of Nuclear Engineering
Major: Nuclear Engineering

Course	Master's	Doctoral	Combined Master's Doctora				
Credit	At least 28 (course credit: 18, research credit: 10)	At least 60 (course credit: 24, research credit: 36)	At least 60 (course credit: 33, research credit: 27)				
Mandatory course	The Seminars: At least 1 credit	The Seminars: At least 1 credit					
Publication	Not required	Not re	equired				
Thesis Review	Not required	Submit a proposal to the advisor before defense					
Note	Mandatory courses are required for the course completion.	Mandatory courses are required for the course completion					

Graduate School of Carbon Neutrality Carbon Neutrality(Energy Engineering), Carbon Neutrality(Chemical Engineering), Carbon Neutrality(Environment)

Course	Master's	Doctoral	Combined Master's Doctoral		
Credit	At least 28 (course credit: 18, research credit: 10)	At least 60 (course credit: 15, research credit: 45)	At least 60 (course credit: 24, research credit: 36)		
Mandatory course	 The Seminar: At least 2 credits Required Course CN510, CN520 	1) The Seminar: At least 2 credits 2) Required Course : CN510, CN520	 The Seminar: At least 2 credits Required Course CN510, CN520 		
Publication	Not required	At least one paper publication author * Being accepted is also ackno	-		
Foreign Language Test		Not required			

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Course		Master	's			Doctor	Combin	ined Master's Doctoral			
Credit		At least urse cree earch cre	dit: 15,		(cou	At least rse cre arch cre	dit: 12,			At least ourse cred earch crec	it: 24,
Mandatory course*	- The So - Maste (MGP)	r Gradua	tion Pro	oject	- The Ser - Doctora		arch		1		
Publication	 Choose ① or ②: ① Submission of a paper from Master Graduation Project OR Research to a domestic journal or an international conference proceedings as the 1st author. Design-related KCI journals IASDR, ICED, Design & Emotion, HCI, CHI, TEI, DIS, etc. ② Submission of a design work from Master Graduation Project to an internationally well-known design competition OR a video showcase. iF design awards, Red dots, IDEA, etc. CHI video showcase, etc. 							ed in Scholar category) nference on to meet			
	Nomination * The reg	on of The gulation re	esis Exam elated to	ining C TEPS	submitted Committee. score shall 18.05.12.) sl	be appl	ied to t	the test	s from No	. 248 TEPS	(2018.05.12.) ations (TEPS
Foreign	TEST	TOEIC	TOEFL (IBT)	TOEF (CBT)		IELTS	TEPS	OPIC	G-TELP (Level2)	G-TELP (Level3)	TOEIC (Speaking Writing)
Language Test	SCORE	800	80	213	550	5.5	309	IH	67	89	270
	following States, C English courses	g scores Canada, or stude in Engl	specifi the UK, nts with ish dur	ied. H Austr n docu ing th	all be acc lowever, r ralia, New uments wh neir under eign langu	native Zealan ich cer gradua	speake Id, anc tify that te or	rs froi I Irelar at they	m six co nd) whose / were in:	ountries (tended) and the native of the structed for the	he United anguage is or all thei
	In exceptional cases that must be accepted by the doctoral committee, any evidence of professional research quality related to his/her doctoral research such as awards, intellectual property and invited exhibition may be considered an equivalent to a publication in an international journal OR conference proceedings not listed in L1.										

Course		Maste			Doct	oral		Com	Combined Master's Doctoral			
Credit	At least 28 (course credit: 21, research credit: 7)				At least 60 (course credit: 15, research credit: 15)					At least 60 (course credit: 24, research credit: 21)		
Mandatory course	Master's Research: At least 7credits.				Doctoral Research: At least 15 credits.					Doctoral Research: At least 21 credits.		
Publication		-			No publication requirement							
Fourier	TEPS(201 previous	regulatio 18.05.12.) school	n relate . The	ed to T tests be	TEPS sco efore N	ore sha	all be				rom No. 24 ubject to th	
Foreign Language	TEST	TOEIC	(IBT)	(CBT)	(PBT)	IELIS	TEPS	OPIC	(Level2)	(Level3)	(Speaking& Writing)	
Test	SCORE	800	80	213	550	5.5	309	IH	67	89	270	
	The foreign language test shall be accepted as passed if the score is higher than the following scores specified. However, native speakers from six countries (the United States, Canada, the UK, Australia, New Zealand, and Ireland) whose native language is English or students with documents which certify that they were instructed for all their courses in English during their undergraduate or higher degree programs shall be recognized as passing the foreign language test.											

Department of Industrial Engineering

Course	Master's	Doctoral	Combined Master's Doctoral			
Credit	At least 28 credits in total (minimum course credits: 15, research credits: 4)	At least 60 credits in total (minimum course credits: 12, research credits: 14)	At least 60 credits in total (minimum course credits: 21, research credits: 18)			
Mandatory course	The department seminar: At least 2 creditsThe department seminar: At least 3 creditsThe department seminar: At least 3 credits					
Publication	Not required	Achievements accepted by the thesis committee				
Q.E & Research proposal	Not required	Presentation of the research plan within two years after the graduate school enrollment to get approval from at least three thesis committee members. To pass the Q.E., the result should be submitted to the academic affairs team after getting the committee's approval.				
Preliminary thesis presentation	Not required	Presentation of the research achievements and the thesis plan, approved by at least three thesis committee members. It is recommended to be done at least one year before graduation.				
Thesis presentation	Presentation of the research achievements approved by attending three committee members	attending five committee members (at least one member)				

Department of Biomedical Engineering Major: Biomedical Engineering

Department of	Biological	Sciences
Major: Biolo	ogical Scie	ences

Course		Maste	er's			Doct	oral		Com	bined Mas	ster's Doctoral	
Credit		At least 28 ourse credit: at least 21, search credit: at least 7)			At least 60 (course credit: at least 15, research credit: at least 17)					At least 60 (course credit: at least 30, research credit: at least 24)		
Mandatory course		The Seminar: At least 2 credits				The Seminar: At least 3 credits				The Se At least 3		
Pre-defense Meeting	Not required				progr repor • It wil	ress/pre t >six ı	-defen months fective	se mee s befor	eting and e the fir	l at least o l submit th al thesis o ate studen	ne meeting lefense.	
ТА	Once				comm	tory TA ittee. be effe	will b	be assi	gned by	e(1) the gradu nd future		
Publication		Not req	uired		 Two first-author papers or one L1* rated first author paper (accepted or published in SCI/SCI-E journals) These include research papers contributed equally by co-first authors. The corresponding or co-corresponding author should be candidate's thesis advisor (In the exceptional case, the corresponding or co-corresponding author can be recognized as candidate's advisor by the graduate affairs committee) Review papers are not considered. It will be effective for all current and future graduate students. The eligibility for graduation will be determined based on the evaluation of the thesis committee. 						ually by or should be case, the an be duate affairs graduate	
Foreign Language Test	for Nom * The of TEPS(201 previous TEST SCORE The fore following Canada, students	ination regulatio (8.05.12.) school TOEIC 800 ign lang scores the UK, with do during th	of Thesis in relate regulatic TOEFL (IBT) 80 Juage tes specified Australio cuments neir und	s Exam ed to tests ons (TE TOEFF (CBT) 213 st shal d. How a, New s whick ergrad	hining Cor TEPS sco before N PS 640). TOEFL (PBT) 550 I be acceptever, nation Zealand, h certify t uate or h	ed by the share of	the en all be TEPS TEPS 309 passe akers fi eland) y were	d of t applie (2018.0 OPIC IH d if th rom siz whose e instru	ed to the third (5.12.) sl (G-TELP (Level2) 67 e score c countri native l cted for	quarter of ne tests f nall be su G-TELP (Level3) 89 is higher t es (the Un	ited States, English or ourses in	

Graduate School of Artificial Intelligence
Major: Artificial Intelligence

Course		Maste	r's			Docto	oral		Comb	ined Mast	er's Doctoral	
Credit*	At least 28 (course credit: 21, research credit: 7)				At least 60 (course credit: 15, research credit: 45)					At least 60 (course credit: 30, research credit: 30)		
Mandatory course	 The Seminar: At least 1 credit Master's Research: At least 6 credits Core: AI501, AI502, AI503 				 The Seminar: At least 1 credit Doctoral Research: At least 44 credits Core: AI501, AI502, AI503 The Seminar: At least 2 credits Doctoral Research: At least 28 credits Core: AI501, AI502, AI503 					arch: edits		
TA**	once					Three 1	imes			Three the	imes	
Academic Excellence or real-world impact	Not required				 Option1: At least one first-authored paper in a premium venue (e.g., ar international SCI/SCI-E journal or conference listed in the top conference list officially approved by UNIST AIGS) OR Option2 : Real-world impact performance equivalent to option1 (e.g., start-up, industrial-academic project). Dissertation committee evaluates the real-world impact performance. 							
	Students (1) Subr	s must c nit Engli	omplete sh Quali	one ficatio	of below r n Test Sco	equirer ore	nents					
	TEST	TOEIC	TOEFL (IBT)	TOEF (CBT)		IELTS	TEPS	OPIC	G-TELP (Level2)	G-TELP (Level3)	TOEIC (Speaking& Writing)	
	SCORE	800	80	213	550	5.5	309	IH	67	89	270	
Foreign Language Test	The foreign language test shall be accepted as passed if the score is higher than the following scores specified. However, native speakers from six countries (the United States, Canada, the UK, Australia, New Zealand, and Ireland) whose native language is English or students with documents which certify that they were instructed for all their courses in English during their undergraduate or higher degree programs shall be recognized as passing the foreign language test. (2) Take AI500 Technical Writing in English course (this course will not be counted as course credit) (3) The validity period of English test score in AIGS is up to 5 years from the date of acquisition, and are retroactively applied to students enrolled before 2024.											
Note	Research = Semina		research		- Researc - Accepte				Ph.D. res	earch		
 Students car credits inclu Students wh alternative T 	uding und o fail to	ergraduc meet the	ite schoo e TA reo	ol cou quirem	rses. nents must	submii	the d	esignai	ted form	to justify	their	

alternative TA-related activities. The submitted form will be judged by Graduate School of AI, UNIST. (This measure also applies retroactively to current students entered before 2024.)

Graduate School of Health Science and Technology Major: Health Innovation and Entrepreneurship

Course	Master's						
Credit	: least 29(course credit: 15, research credit: 14)						
Mandatory course	1) The Seminar: At least 2 credits(HST590, BIO590, BME590) 2) Required Course: HST501, HST502						
Q.E & Research Proposal	Not required						

Graduate School of Health Science and Technology Major: Health Science and Technology

Course	Master's	Doctoral	Combined Master's Doctoral			
Credit	At least 28	At least 60	At least 60			
	(course credit: 15,	(course credit: 12,	(course credit: 21,			
	research credit: 4)	research credit: 14)	research credit: 18)			
Mandatory	1) The Seminar: At least 2 credits(HST590, BIO590, BME590)					
course	2) Required Course: HST501, HST502					
Q.E &	Not required Within 2 years into the program.					
Research	There are 2 options for Q.E.					
Proposal	Submit research proposal to headquarters after Q.E.					

Department of Electrical Engineering Major: Electrical Engineering

Course	Master's	Doctoral	Combined Master's Doctoral		
Credit	At least 28 (course credit: 21, research credit: 7)	At least 60 (course credit: 18, research credit: 42)	At least 60 (course credit: 33, research credit: 27)		
Mandatory course	The Seminar: At least 1 credit, Master's Research: At least 6 credits	The Seminar: At least 2 credit, Doctoral Research: At least 40 credits	The Seminar: At least 3 credit, Doctoral Research: At least 21 credits		
Publication	NOT required	At least one first-authored pap research topic) in a premium an international SCI/SCI-E jour the top conference list official	venue mal or conference listed in		
Note	Research credit = Seminar + MS research		r publication, ninar + PhD research		

Graduate students are obliged to fulfill TA duty every semester.

[Interim Measures]

·(국문) 기존 일반대학원 '전기및전자공학과'로 입학한 학생들의 경우 종전의 '전기및전자공학과'의 연도별 이수요 건을 따른다.

- (영문) These guidelines are applicable to the students who entered the graduate program from 2020 fall.

Department of Computer Science and Engineering Major: Computer Science and Engineering

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	J						5		
Course	N	laster's		Do	octoral			l Master's toral	
Credit	At least 28 (course credit: 18, research credit: 7)			At least 60 (course credit: 15, research credit: 42)			At least 60 (course credit: 30, research credit: 24)		
Mandatory course	 The Seminar: At least 1 credit Master's Research: At least 6 credits 			 The Seminar: At least 2 credits Doctoral Research: At least 40 credits The Seminar: At least 3 credits Doctoral Research: At least 21 credits 					
Publication	NOT	required		L1 conferen will be c conference qualificatio	considered s and jour n of these	a premiun nals may a	n venue. W also be con ues will be	hile other hsidered, tl	r the
Note	 English test score should be submitted before the defense. Research credit = Seminar + MS research English test score should be submitted before the defense. Accepted for publication Research credit = seminar + Ph.D. research 					e			
	Students m (1) Submit	ust compl English Q	ete one ualificat	e of below re ion Test Scor	equirements e	5			
	TOEIC	TOEFL (IBT)	IELTS	S OPIC	TEPS	G-TELP (Lv.2)	G-TELP (Lv.3)	TOEIC S&W	
	800	80	5.5	IH	309	67	89	270	
Foreign Language Test	oreign The foreign language test shall be accepted as passed if the score is higher than								
[Interim Measure] (국문) 기존 일반대학	·원 '컴퓨터공	학과'로 입	학한 학 [,]	생들의 경우 킁	5전의 연도	별 '컴퓨터	공학과'이수	≃요건을 따	른디
(영문) These guideli	nes are app	licable to	the stud	dents who er	tered the	graduate p	program fr	om 2020 f	fall.

Master Degree Program in Information & Communication Technology (ICT) Convergence Major: Major in Information & Communication Technology

(ICT) Convergence

Course	Master's
Credit	At least 30 (course credits: 18, research credits: 12)
Mandatory course	research credit = MS research + research project
Publication	NOT required
Note	

[Notes regarding courses]

Only courses(8~10 courses) designated by Master Degree Program in ICT Convergence provide both real-time online lecture and recorded lecture for the students in this program and they are operated with 2 session lectures.

Students in this program should take at least 18 credits in the designated courses for graduation. A list of the designated courses will be notified to students and can be changed each semester.

* This course taking requirement applies to students who have entered in 2023 retroactively.* Besides the listed courses, students can take other graduate courses in general school.

			-	Majo	r: Ph	ysics					
Course		Master'	8		D	octoral		Combine	ed Master's	s Doctoral	
Credit	Cou	At least urse Cred earch Cre	its: 21		At least 60 Course Credits: at least 12 Research Credits: at least 34			At least 60 Course Credits: at least 27 Research Credits: at least 28			
Mandatory course	At	Semina least 1 d			Seminar At least 1 credit			Seminar At least 1 credit			
Publication	Not required			in ł (It s ※ 1	Publish at least one paper as the first/corresponding authorin high-impact international journals. (It should be at least accepted for publication.) ※ The approval of the Department Graduate Committee is required for the publication qualification.					-	
	[Required course] SLA590 Technical Writing in English (This course will be counted as course credit.) *If students submit English Qualification Test, course taking will be exempted. **This requirement shall be applied to students entered in 2022 and after.										
Foreign	TOEIC	TOEFL (IBT)	TOEFL (CBT)	TOEFL (PBT)	IELTS	OPIC	TEPS	G-TELP (Level 2)	G-TELP (Level 3)	TOEIC (S&W)	
Language Test	800	80	213	550	5.5	ін	309	67	89	270	
	following States, C English their cou	800802135505.5IH3096789270The foreign language test shall be accepted as passed if the score is higher than the following scores specified. However, native speakers from six countries (the United States, Canada, the UK, Australia, New Zealand, and Ireland) whose native language is English or students with documents which certify that they were instructed for all their courses in English during their undergraduate or higher degree programs shall be recognized as passing the foreign language test.									
Note											

Department of Physics Major: Physics

Course		Master's	8		Do	octoral		Combined Master's Doctoral		
Credit	Cou	At least a Irse Credi earch Cre	its: 15		At l ourse Crea earch Cre			At least 60 Course Credits: at least 21 Research Credits: at least 34		
Mandatory course	At	Semina least 2 c			Seminar At least 2 credits At				Seminar least 4 cr	edits
Publication	Not required				nor in hig hould be he appro	h-impact at least val of th	internati acceptec e Depart	onal journ I for publi	cation.) luate Com	-
	TOEIC I IELTS OPIC TEPS					TOEIC (S&W)				
Foreign Language Test	e	550	5.5	IH	309	67	89	270		
Ĩ	following Canada, students English	800802135505.5IH3096789270The foreign language test shall be accepted as passed if the score is higher than the following scores specified. However, native speakers from six countries (the United States, Canada, the UK, Australia, New Zealand, and Ireland) whose native language is English or students with documents which certify that they were instructed for all their courses in English during their undergraduate or higher degree programs shall be recognized as passing the foreign language test.								
	passing t	ne ioreig	in lunguu	9						

Department of Physics

	Major: N	Mathematical Science	es —			
Course	Master's	Doctoral	Combined Master's Doctoral			
Credit	At least 28 (Course Credits: at least 15, Research Credits: at least 6)	At least 60 (Course Credits: at least 15, Research Credits: at least 15)	At least 60 (Course Credits: at least 27, Research Credits: at least 21)			
Mandatory course	Seminar: At least 1 credit	Seminar: At least 1 credit	Seminar: At least 1 credit			
Publication	Not required	At least 1 creditAt least 1 creditAt least one paper must be accepted for publication in SCI-E or SSCI journals as the first or corresponding authorExemption from the requirement of one publication in SCI/SCIE/SSCI journals is discussed and determined solely the department's academic affairs committee only after th candidate's advisor submits to the committee a written statement for exemption.				

Department of Mathematical Sciences Major: Mathematical Sciences

Course	Master's	Doctoral					0	Combined Master's Doctoral				
Credit	At least 28 Course Credits: 15 Research Credits: 13	At least 60 Course Credits: at least 12 Research Credits: at least 20						At least 60 Course Credits: at least 21 Research Credits: at least 33				
Mandatory course	Seminar At least 2 credits	Seminar At least 2 credits					Seminar At least 4 credits					
Publication	Not required	author	alificatio	on of I	oublica	tions u	ınder t	his rec	quiremei	l as the nt is sub		
		Studer (1) Sul TOEIC							G-TELP (Level 2)	G-TELP (Level 3)	TOEIC (S&W)	
		800	80	213	550	5.5	ІН	309	67	89	270	
Foreign Language Test	Not required	is high speake Austral English instruc or high foreign	ner tha ers fror lia, Nev n or str ted for her de n langu ke CHN	n the n six c w Zeal udents r all th gree p uage te 1892 c	followin ountrie and, ar with c eir cou rogram est. or SLA4	ng scol es (the nd Irela docume urses ir ns shall 91 Teo	res spe United and) wl ents wh Englis be re chnical	cified. I State nose n nich ce sh duri cogniz Writin	Howeve s, Canac active la ertify that ing thei ed as p	ed if the er, nativ da, the nguage at they r underg assing t glish (Th	e UK, is were graduate he	

Course	Master's	Doctoral	Combined Master's Doctora			
Credit	At least 28	At least 60	At least 60			
Mandatory course	At least course credit: 15, research credit: 4	At least course credit: 12, research credit: 14	At least course credit: 21, research credit: 18			
Publication		At least one paper accepted for publication in an SCI, SSC or SCI-E journal as the first or corresponding author. Also the student's dissertation advisor needs to be the corresponding or first author.				
	X The condition that the student's dissertation advisor needs to be the corresponding or first author can be relieved with the concent from the department Graduate Affairs Committee.					
		※ This rule applies to student semester of 2021 or later.	s graduating in the first			

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6. Q.E. Guidelines by Department(School) and major 학과(부) 및 전공별 박사자격시험 지침

When	May, November (In the v	veek of the third quarter of each semester)	
Times per Year	Twice per year		
Criteria	A. Written B. Coursework		
	answers of applicants. Ea B. Coursework	 (MTH) (THD) Heat Transfer (HT) Heat Transfer (HT) Manufacturing (MFG Control (CTR) bject area are formed to write exam problems ch committee consists of at least three faculty r in the listed substitution subject can be accommited 	s and grade th members.
Subjects			
Subjects	Engineering Math (MTH)	MEN502 Advanced Mechanical Engineering Analysis MEN7XX Special Topics (Advanced Mathematics)*	— Choose 1
Subjects		Analysis MEN7XX Special Topics (Advanced	— Choose 1
Subjects	(MTH)	Analysis MEN7XX Special Topics (Advanced Mathematics)*	– Choose 1
Subjects	(MTH) Thermodynamics (THD) Mechanics of Materials	Analysis MEN7XX Special Topics (Advanced Mathematics)* MEN510 Advanced Thermodynamics	- Choose 1
Subjects	(MTH) Thermodynamics (THD) Mechanics of Materials (MM)	Analysis MEN7XX Special Topics (Advanced Mathematics)* MEN510 Advanced Thermodynamics MEN530 Advanced Solid Mechanics	- Choose 1
Subjects	(MTH) Thermodynamics (THD) Mechanics of Materials (MM) Dynamics (DYN)	Analysis MEN7XX Special Topics (Advanced Mathematics)* MEN510 Advanced Thermodynamics MEN530 Advanced Solid Mechanics MEN570 Advanced Dynamics	- Choose 1
Subjects	(MTH) Thermodynamics (THD) Mechanics of Materials (MM) Dynamics (DYN) Fluid Mechanics (FLM)	Analysis MEN7XX Special Topics (Advanced Mathematics)* MEN510 Advanced Thermodynamics MEN530 Advanced Solid Mechanics MEN570 Advanced Dynamics MEN520 Advanced Fluid Mechanics	- Choose 1
Subjects	(MTH) Thermodynamics (THD) Mechanics of Materials (MM) Dynamics (DYN) Fluid Mechanics (FLM) Heat Transfer (HT)	Analysis MEN7XX Special Topics (Advanced Mathematics)* MEN510 Advanced Thermodynamics MEN530 Advanced Solid Mechanics MEN570 Advanced Dynamics MEN520 Advanced Fluid Mechanics MEN511 Advanced Heat Transfer	- Choose 1
Subjects	(MTH) Thermodynamics (THD) Mechanics of Materials (MM) Dynamics (DYN) Fluid Mechanics (FLM) Heat Transfer (HT) Manufacturing (MFG)	Analysis MEN7XX Special Topics (Advanced Mathematics)* MEN510 Advanced Thermodynamics MEN530 Advanced Solid Mechanics MEN570 Advanced Dynamics MEN520 Advanced Fluid Mechanics MEN511 Advanced Heat Transfer MEN552 Manufacturing Processes and Systems	Choose 1

Department of Mechanical Engineering Major: Mechanical Engineering

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	* In case of a special topics course it will be accepted depending on the subtitle. MEN795 Special Topics V (Advanced Mathematics) opened in 2019-1 can be accepted according to the subtitle of the course.
Required Time	A. Written 2 hours for each subject area
Passing Standard	Knowledge and understanding of each subject is graded on pass/fail basis. Students must pass 3 subjects from the exam areas.
Measures on Unsuccessful Students	The student may take one more examination if he/she fails in the first examination. Students not passing the Ph.D. Q.E. at the first sitting may be allowed to take the examination one more time for the one or more area exams that were failed (as long as the students are within the allowed duration). In retaking the qualifying exam, students may choose to be tested in a different area, in which case only one chance is allowed. If the student fails again after retaking the exam, the final pass or fail decision will be made by evaluating student's overall research performance in the Q.E. committee meeting.
Appealing Period	One week from the result notification. * During the period above, you can make an objection to your result by submitting the related document. If you're justified, correction can be made by Q.E. committees.
Standard for Application	Students must be registered for the semester in which they take the Ph.D. Q.E. and have full graduate standing. Students must pass the Ph.D. Q.E. within the 6 th semester after enrolling in the Ph.D. or M.S-Ph.D. program.
Note	The guideline applies to all Ph.D. and M.SPh.D. students.

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Department of Civil, Urban, Earth, and **Environmental Engineering Engineering**

 Concentration
 - ESE: Environmental Science and Engineering
 - UIE: Urban Infrastructure Engineering - DME: Disaster Management Engineering - WEN: Water-Energy Nexus

When	June / December
Times per Year	Two times / year
Q.E. Committee	 Q.E. committee members should be comprised of two or more professors *Academic advisor and professor(s) who taught the Q.E. subjects *The academic advisor may not be included in the committee only with the advisor's confirmation. (Only if it is inevitable) Other professors may be added if necessary
Q.E. Subjects	 Students must choose three subjects* from the courses they took during the graduate program. * Only subjects with confirmed grades are available All Q.E. subjects should be approved by Q.E. committee Undergraduate subjects taken during the graduate program are available Students can apply for up to two subjects taught by the same professor
Pass criterion	Students must score 70 or higher(out of 100) in each subject to pass
Q.E. Application	 Students are allowed to apply for Q.E. after completing two semesters. (After two semesters' grades are confirmed) Students are allowed to apply for Q.E. two times in total. (If they fail the second Q.E., the qualification for the doctorate is lost)
Note	 Test type(Written or Oral) and time are determined by the Q.E. committee Both 'Ph.D' and 'Combined Master's & Ph.D' students have to PASS the Q.E within 6 semesters of admission This guideline is effective since 10th October 2015 and it applies to all Ph.D. and Combined Master's and Ph.D. program students students who entered from 2015.

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Graduate School of Semiconductor Materials and Devices Engineering

Major: Semiconductor Materials and Devices Engineering

When	Qualifying exam can be taken twice a year, once per semester.(Spring and Fall.)
Criteria	Oral Examination
Subjects	 The committee consists of three professors from UNIST including the student's academic advisor, who is the committee chair, and two other decided by the graduate school committee of our department/school. The academic advisor can suggest committee candidates. At least two of three committee professors should be the core members from the graduate school of semiconductor materials and devices engineering. The students must turn in the examination materials to all committee professors at least 1 week prior to the examination date. Otherwise the student will be considered to have failed in the examination. The presentation should focus mainly on the student's research background and the subsequent questions from the committed should be answered properly. The committee will make a decision right after discussion in the examination.
Required Time	Presentation and Oral Examination : 60min.
Passing Standard	Knowledge and understanding of major subjects for the Ph.D. research (60points), presentation ability and attitude (10 points) and presentation contents (30 points)
Measures on Unsuccessful Students	The student must earn at least 60 points from each committee professor to pass the examination. The student may take one more examination if he/she fails in the first examination. However, the student cannot take QE twice within one semester.
Standard for Application	Students must pass the Ph.D. qualifying exam within 6th semester after enrolling in the Ph.D./M.S-Ph.D. course.
Note	

Department of Materials Science and Engineering Major: Materials Science and Engineering

When	Qualifying exam can be taken twice a year, once per semester(Spring and Fall).
Criteria	Oral Examination
Subjects	. The committee consists of three professors from UNIST including the student's academic advisor, who is committee chair, and two other decided by the graduate school committee of our department/school. The academic advisor can suggest committee candidates. . The students must turn in the examination materials to all committee professors at least 1 week prior to the examination date. Otherwise the student will be considered to have failed in the examination.
	. The presentation should focus mainly on the student's research background and the subsequent questions from the committed should be answered properly. The committee will make a decision right after discussion in the examination.
Required Time	Presentation and Oral Examination: 60min
Passing Standard	Knowledge and understanding of major subjects for the Ph. D. research(60 points), presentation ability and attitude(10 points) and presentation contents(30 points)
Measures on Unsuccessful Students	The student must earn at least 60 points from each committee professor to pass the examination. The student may take one more examination if he/she fails in the first examination. However, the student cannot take QE twice within one semester.
Standard for Application	Students must pass the Ph. D. Q.E. within 6th semester after enrolling in the Ph. D./M.S-Ph. D. course
Note	

School of Energy and Chemical Engineering Major: Energy Engineering, Energy Engineering(Battery Science and Technology) Chemical Engineering

	and Technology), Chemical Engineering
Period	The Qualifying Exam (Q.E) is twice a year, normally in June and December (It can be rescheduled if needed)
Oral Test (2019~)	 Subject: Students who entered 2019 and onwards Deadline: Students must take Q.E within 2 years (4th semester) from their admission Format: Oral Q.E. can be conducted with the format of pre-defense. * Oral Q.E. will substitute the Pre-Defense Exam time: Presentation of research plan (15-20 minutes) and Q&A (30 minutes) Result
Evaluation of Oral Q.E.	 A. Basic knowledge of Research (30%) 1) Does the student fully understand the scientific background and relevant disciplines of the research area(s)? 2) In the specific research topic, does the student understand the importance of the work on the aspects of science and practical applications? Does the student understand domestic and international trends of the topic, in the past, present and future? Does the student follow and understand the efforts of major competitors? B. Research goal and contents, ability to conduct research (40%) 1) Did the student properly establish and clearly suggest the objectives and scope of the research? (Objectives and scope-based on proper hypotheses?; Scope- sufficient to achieve the goals?; Risk and/or limit of established goals/scope - manageable?) 2) Does the student fully understand the methodologies and skills essential to carry out the research work? 3) Does the main idea(s) of the proposal include student's own input and show his/her creativity, in addition to the ones from his/her advisor(s)? 4) Does the student have a strategic plan to efficiently conduct the research, such as collaboration and use of important resources, inside as well as outside the UNIST campus? 3. Presentation Skill (30%) 1) Is the preparation of presentation material?) 2) Does the student deliver the proposal logically and clearly? (Presentation ability and

	skills in English?) 3) Does the student clearly understand and properly answer the questions raised by committee members?
	st These Guidelines are effective from the 2023 Spring semester.
Miscellaneous	 Research proposal Students who entered before 2019 should submit the research proposal 1 year prior to the expected dissertation defense. After passing the Q.E. and submitting the research proposal, the proposal defense must be completed at least 6 months before the dissertation defense Students who entered after 2019 should submit the research proposal within 2 years of the entrance. * Research proposals are only accepted as official documents during the application term of each semester defense.
Note	The rules apply to all 3 majors in the school of Energy and Chemical Engineering

Department of Nuclear Engineering
Major: Nuclear Engineering

When	May, November (In the week of the third quarter of each semester)		
Times per Year	Twice per year		
Criteria	Written		
Subjects	Choose 3 out of 10 subjects:✓ Nuclear Reactor Theory✓ Nuclear safety✓ Nuclear Thermal Hydraulics✓ Nuclear Fuel and Fuel Cycle✓ Radiation Science✓ Nuclear Materials Engineering✓ Probabilistic Safety Assessment✓ Magnetohydrodynamics✓ Nuclear Fusion✓ Medical Imaging & Al		
Required Time	4 hours for written (1 hour-ish per each subject)		
Passing Standard	Average over 60% for pass; if any of the subject score is less than 40%, then fail. For the subject which is taken second will be considered as final score for total.		
Measures on Unsuccessful Students	Students can retake Q.E. until they pass. * In case of a retake, there is no restriction on the choice of subject.		
Appealing Period	One week from the result notification. * During the period above, you can make an objection to your result If you're justified, correction can be made by Q.E. committees.		
Standard for Application	Doctoral Program/Combined Master's-Doctoral Program: Students must pass the Ph.D Q.E. within 6 semesters after enrolling in the Ph.D/M.S-Ph.D Course.		
Required Documents	Application form for Q.E. with selection of subjects.		
Note			

Graduate School of Carbon Neutrality Carbon Neutrality(Energy Engineering), Carbon Neutrality(Chemical Engineering), Carbon Neutrality(Environment)

When	The qualifying exam (QE) can be taken twice a year, once per semester (Spring and Fall). The specific date may be determined by the applicant in consulation with his/her QE committee. The QE deadline aligns with the last day of each semester. Students are recommended to take their first QE during the 4th semester.	
Criteria	Presentation and Oral Examination (Upon successful completion of the QE, students are required to apply for both the pre-defense and final defense as part of the graduation process.)	
Subjects	Students should primarily focus on presenting their research background and properly answer any subsequent questions from the committee.	
Required Time	15 minutes of presentation + 30 minutes of Q&A	
Composition of committee	3 members including the academic advisor The composition of committee members should be determined through discussion between the applicant and the academic advisor.	
Passing Standard	Above 70 out of 100 (including 70) from each committee member - Evaluation Criteria: Basic knowledge and understanding (50) + Presentation contents (30) + Presentation ability and attitude (20)	
Measures on Unsuccessful Students	Those who failed the first QE are allowed to take 1 more QE. (Students cannot take QE twice within 1 semester.)	
Standard for Application	Both Ph.D and MS-Ph.D students must pass the QE by the end of their 6th semester.	
Note	These guidelines are effective from entrants from the academic year 2022 onward.	

Department of Design Major: Design			
When	June / December		
Times per Year	Twice per year		
Criteria	 Oral exam Determined by 3 faculties of Design (preferable faculty for Q.E. can be recommended by each applicant and his/her supervisor). Q.E. Objectives: Clearly defining a research topic and focus. Selecting, reading, critiquing, and discussing key research literature in the selected area. Conducting and presenting limited initial work on a project pertinent to the selected area. In order to achieve these objectives, the Q.E. is explicitly focused on the student's research work and activity rather than examining their knowledge of coursework (e.g., a written exam) or assessing their potential (e.g., by presenting a prior project in detail). 		
Туре	 Option ① In-depth literature review covering 4-8 articles from chosen research topic to demonstrate knowledge of research specialization. Option ② Research project, including motivations, research questions, methods, outcomes and discussion. 		
Time	 The Q.E. includes a presentation (15-20 mins) consisting of: A summary and synthesis of the research articles, describing major topics, themes, and issues in the research area. A project presentation detailing (preliminary) project work to date. The Q.E. includes a Q&A (40-45 minutes) including: A student's knowledge of the research papers and, more generally, the research area they are studying. A critique and discussion of their project work. 		
Measures on Unsuccessful Students	 Applicants who do not qualify for exemption and fail the first oral exam must pass the oral at the second attempt. An applicant who fails the oral exam for the second time are not allowed to continue in the Ph.D. program. Poor knowledge of the research area (as demonstrated through presentation or Q&A) Inadequate project work. The Q.E. must be passed by the end of the 6th semester – following UNIST regulation. 		
Standard for Application	 Each applicant must have earned at least 12 course credits from his/her concentration area before applying for the Q.E. Min GPA of 3.5. Each applicant should submit a Q.E. application form to the department by May 1st (for June Q.E.) or Nov 1st (for December Q.E.). Students must pass the Q.E. within 3 years after enrolling in the Ph.D. program. The application can be rejected if the supervisor or committee deems the student to be unprepared - E.g., inappropriate research articles selected, insufficient project work completed. 		
Exemption	In the case of students transferring from another major, the Q.E. must be passed by the end of the third semester in the new major; following UNIST regulation.		

Department of Biomedical Engineering Major: Biomedical Engineering		
When	June, December	
Times per Year	Twice per year	
Criteria	Oral exam	
Subjects	The student determines one of the two exam options under the advisor's supervision; Option #1: Presentation of an in-depth literature review of 4 to 8 articles in a relevant research topic to demonstrate the expertise and the research capability. The articles chosen should be approved by the advisor. The presentation should include the student's research proposal for the doctoral study based on the literature review. Option #2: Presentation of a past or current research work that the applicant has conducted during his/her graduate program. The presentation should include the student's research proposal for the doctoral study based on the past or current project.	
Required Time	30-minute presentation + up to 1 hour of Q/A	
Passing Standard	Determined by 3 faculty members of BME who are nominated by BME Graduate Study Committee (preferable thesis committee members for Q.E. can be recommended by each applicant). Students are required to pass the Q.E. within 2 years after the enrollment.	
Note	An applicant who fails the oral exam within 2 years after the enrollment is not allowed to continue in the Ph.D. or M.S-Ph.D. program. However, if the applicant has fulfilled the requirement obtaining for a M.S. degree, she/he can leave the program after receiving an M.S. degree once they complete a M.S. thesis defense within 5 semesters after the enrollment.	

Department of Biomedical Engineering

	Major: Industrial Engineering
When	June, December
mes per Year	Twice a year
	1. The student should specify a faculty member affiliated with Department of Industrial Engineering (IE) as his/her dissertation advisor with the agreement from the faculty member.
	2. Qualifying Examination (QE) is administered by the IE QE committee.
	3. QE committee is composed of at least three members including the student's dissertation advisor, affiliated with UNIST. QE committee may have additional committee member(s) outside UNIST with the consent of the student and her/his dissertation advisor. All the members of the QE committee are appointed by the Dean of IE.
	 Document evaluation Academic achievement in MS □ GPA
How	 Dissertation proposal plan Form: (1) Title (2) Background (Introduction) (3) Objectives (Goals) (4) Research Time Plan (5) Work performed (6) Future work (7) References The plan should be written in English within 5 pages. Other research ability The number of publications, ongoing work, etc.
	 2) Paper presentation The student will give a presentation on a paper. A list of papers will be selected and announced by the QE committee at least two weeks in advance. The papers selected were published in major journals related to Industrial Engineering (see Subjects). The student selects one of the papers (or both) and review it (them). The student is encouraged to reproduce and transform experiments in the paper if possible. Assessment is based on predefined evaluation criteria to see how well the overall content and details of the paper(s) are (1)understood, (2) delivered in the presentation, and (3) implemented or reproduced.
Fields of Study	Detailed fields of study o Statistical Learning o Data Mining/Machine Learning o Process Mining o Financial Engineering o Operations Management
	o Operations Management o Operation Research o Technology Management o Quality Control o Service Science o Business Process Management
Required Time	Determined by QE committee

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Passing Standard	70 points or higher in the overall score.	
Measures on Unsuccessful Students	If the student does not pass the QE, he/she has a chance to re-take it only once within one year. If the student applies for QE at the end of the third year in his/her program, the student cannot have a chance to re-take QE. If a student does not pass QE within 3 years after the registration, he/she will be terminated from the PhD or the MS-PhD program. This decision may be appealed by the student. Appeals are managed on a case-by-case basis by the QE committee.	
Standard for QE Application	 To apply for taking QE, the student should earn required course credits (for PhD or MS-PhD program) specified in the section of 'Degree Requirement by Industrial Engineering' in the UNIST Graduate Program Handbook. Students who have taken at least two semesters and completed at least 15 credits can apply for the QE Students who are in the second semester and have completed 15 credits in the first semester also can apply for the QE All PhD or MS-PhD students must take QE within 3 years after having registered the program. 	
Note	Effective date for this guideline is Spring 2020. It applies to all PhD and MS-PhD students who take QE from then onward.	

Department of Biological Sciences Major: Biological Sciences

Examination Schedule	 Every May or November Applicable from the 3rd semester Should pass the QE within six semesters of the PhD or MSc-PhD program 	
Criteria	 Thesis research proposal (12 pages) 1) Specific aims (1 page) 2) Background and significance (3 pages) 3) Preliminary results (3 pages) 4) Research plan (5 pages) 5) References Oral Presentation (30 min + 30 min Q/A) Scored by the QE evaluation index 	
QE committee	 Three faculty members including one committee chair, but excluding the thesis advisor. If necessary, external reviewers can be invited The applicant's thesis advisor should organize the QE committee; the QE committee will discuss with the thesis advisor to finalize the QE evaluation report 	
timeline	 The QE committee should submit the QE evaluation report to the Graduate Affairs Committee by the end of May or November Graduate Affairs Committee should deliberate the QE evaluation reports and inform each candidate of the QE result by the end of June or December 	
Measures on Unsuccessful Students	Disqualmed if the final grade is Fall; disqualmed students can apply for a second	
Note	This guideline is effective for new graduate students in 2022 and afterward.	

When	June / December	
Times per Year	twice / year	
Criteria	Coursework	
Subjects	 Students must pass all courses from a Q.E. course group. A Q.E. course group can consist of four or five courses and it can be formed by one of the following two methods: Method 1: any of the four courses that satisfy the following conditions: At least one course should be one of two required courses, AI502 Principles of Deep Learning and AI503 AI Toolkits; The remaining three Q.E. courses should be selected from at least two course tracks given below; Track Course Code AI core AI502 / AI503 / AI51X / AI52X / AI7XX AI + X AI55X / AI56X Method 2: any of the five courses that satisfy the following conditions: At least one course should be one of two required courses, AI55X / AI56X 	
	systems track cour AI55X / AI56X).	rr Q.E. courses should be selected from AI core, AI+X, and A rses (AI502 / AI503 / AI51X / AI52X / AI7XX / AI53X / AI54X / ring UNIST Master program satisfying the above requirements of Q.E. courses.
Required Time	N/A	
Passing Standard	Students must pass all courses from a QE course group. To pass a QE course, a student should achieve grade B+ or higher.	
Measures on Unsuccessful Students	Students who fail to pass all Q.E. courses within the allowed duration will be terminated from the Ph.D. / MS-Ph.D. program.	
Appealing Period	I N/A	
Standard for Application	Allowed duration: Students must pass the Q.E. within 3 years after enrolling in the Ph.D. / MS-Ph.D. program.	
Note	This guideline will also be adapted to the students who've entered before Fall 2022.	

Graduate School of Artificial Intelligence

Graduate School of Health Science and Technology _ Major: Health Science and Technology

	1	
When	From March / From September	
Times/Year	Two times/year	
Criteria	Oral exam	
Contents	 The student determines one of the two exam options under the advisor's supervision; Option #1: Presentation of an in-depth literature review of 4 to 8 articles from a chosen research topic to demonstrate knowledge of research specialization. The articles should be approved by the advisor. The presentation should include the student's research proposal based on the literature review. Option #2: Presentation of a past or current research work that the applicant has conducted during his/her graduate program. The presentation should include the student's research proposal based on the past or current project. 	
Time	30 minutes presentation + up to 1 hour of Q/A	
Passing Standard	Determined by 3 faculties of HST who are selected by HST Graduate Committee (preferable faculty for Q.E. can be recommended by each applicant). Students are required to pass the Q.E. within 2 years into the program.	
Note	An applicant who fails the oral exam within 2 years into the program is not allowed to continue in the Ph.D. program. However, if the applicant fulfills the requirements for the M.S. degree, she/he can leave with an M.S. degree after M.S. thesis defense within 5 semesters into the program.	

Department of Electri	ical Engineering
Major: Electrical	Engineering

When	June / December	
Times per Year	twice / year	
Criteria	Coursework (When failed, written test)	
	1. A student passes the QE if he/she receives A- or higher for three 500 level graduate courses. Note that this is the grade in each individual course, not the average.	
Passing Standard for	• If a student fails to satisfy the above condition 1, then he/she must take a written QE on three 500 level EE graduate courses. Courses in which the student received an A- or higher will be waived (counted as passing that course) for the student.	
QE	* Courses taken during UNIST Master program satisfying the above requirements can be considered QE courses.	
	* In special cases, the department committee may also decide the passing of the QE through discussion.	
	* For the Phd program entrants from other universities, at most, up to two courses taken at another university can be recognized as the credit of the similar 500-level classes for QE.	
	* The above condition applies to 2024 year entrants(and after).	
Required Time for Written Exam	To be determined by individual professor in charge of each course exam.	
Passing Standard for Written Exam		
Measures on Unsuccessful Students	 Students who fail to pass QE within the six enrolled semesters must leave the Ph.D or combined M.S-Ph.D program. Students not passing the written QE at the first attempt may be allowed to take the exam one more time. However, they cannot take the QE twice within one semester. When taking the QE again, students may choose different subjects next time. 	
Standard for Application	 Students must be registered for the semester in which they take the QE. Students who are taking the exam at the second attempt get waiver for courses passed previously. 	
Note	 Appeal process (for the written QE): Students have the right to dispute the outcome of the exam. Appeals, to be made on an individual subject basis, must be made in writing and must be submitted to the QE coordinator within 3 business days after the announcement of the outcome. Response to appeals is to be processed in the following manner: The written appeal will be processed by the professor in charge of the subject within 3 business days of submission of appeal. The professor in charge will consider the appeal and may take the following actions. Dismiss the appeal, Re-evaluate the submitted answers, possibly resulting in changes in the score, 	
	3) Recommend re-taking of the exam to the QE coordinator.	

The professor in charge must submit a report on the reasons behind the decision.
In case of 3), the QE coordinator will initiate a due process to re-take the exam
and the exam must be re-taken within 3 business days of the decision to re-take
the exam.
In this case, this re-take will not be considered as a second attempt at the QE (as
designated in the "Measures on Unsuccessful Students" section).
- The outcome of the appeal process will be final. No further appeals will be
allowed.
• These guidelines are applied to students entering the graduate program for Ph.D
or combined M.S-Ph.D (not M.S) from the first semester in 2017, which means it
will not be applied retroactively.
• Only UNIST graduate courses are valid for the QE.
• The QE results must be reported within one month after the exam to the admin
office.

Department of Computer Science and Engineering Major: Computer Science and Engineering

When	June / December
Times per Year	twice / year
Criteria	A. Coursework (mandatory)B. Written ExamO Only if the student fails to pass the Q.E. according to the A. Coursework guidelines.
Subjects	 A. Coursework O. Students must take at least four core courses including at least one core course from each subtrack. O. Core course list Systems subtrack CSE511 Advanced computer architecture CSE514 Advanced operating systems CSE516 Advanced computer networks (or EE538 Data Communication Networks*) X. Taking both CSE539 and EE538 is allowed. However, only one of the two courses taken can be used for the Q.E. purpose coursework. CSE515 Advanced Algorithms X. If a student has already taken "CSE515 Algorithm Design", the student can use it for the Q.E. purpose. CSE524 Advanced Software Engineering X. If a student has already taken "CSE524 Software Engineering", the student can use it for the Q.E. purpose. CSE524 Advanced Software Engineering X. If a student has already taken "CSE530 Algorithms and complexity" can be used for the Q.E. purpose. CSE525 Program Analysis 3. Artificial intelligence and data science subtrack CSE522 Advanced Information Visualization X. If a student has already taken "CSE522 Data Visualization", the student can use it for the Q.E. purpose. CSE522 Advanced Information Visualization X. If a student has already taken "CSE522 Data Visualization", the student can use it for the Q.E. purpose. CSE522 Advanced Information Visualization X. If a student has already taken "CSE522 Data Visualization", the student can use it for the Q.E. purpose. CSE523 Advanced Human Computer Interaction CSE544 Advanced Machine Learning CSE545 Advanced Computer Vision CSE544 Advanced Data Mining

Required Time	 O The above core course list is subject to change on a yearly basis based on the review and recommendation of the CSE academic affairs committee. O Courses taken during UNIST Master program satisfying the above requirements can be considered Q.E. courses. B. Written Exam O Students may take as many as 4 courses for the written exam as follows: Required (Major research area): 2 courses 2 courses should be chosen from the core course list of the subtrack to which the student belongs.
for Written Exam	To be determined by individual professor in charge of each course exam.
Passing Standard	 Passing the Q.E.: The student must pass a total of 4 courses selected (through both A. Coursework and B. Written Exam) to pass the Q.E. A. Coursework The student will be considered to have passed the 4 courses if the average GPA of the 4 courses selected is A- or higher, under the condition that the grades of all 4 courses are B- or higher. If the average GPA of the student does not meet the above criteria, then Pass/Fail will be determined on an individual course basis, and courses with grades A- or higher grade will be considered pass. For the failed courses, written exams must be taken under the guideline of B. Written Exam. B. Written Exam Exam is graded on Pass/Fail basis and taken on an individual course basis. Courses passed through A. Coursework will be considered to be part of the Subject selection criteria and must be excluded from selection. Hence, the number of courses the student will take is 4 minus the number of passed courses through A. Course greater than or equal to 60 (out of 100) for each course in order to pass each course exam.
Measures on Unsuccessful Students	 Students who fail to pass the Q.E. within the allowed duration will be terminated from the Ph.D / MS-Ph.D program. Students will be given one attempt to pass the B. Written Exam upon failure of A. Coursework.
Standard for Application	 Allowed duration: Students must pass the Q.E. within 3 years after enrolling in the Ph.D / MS-Ph.D program. Students must be registered for the semester and have full graduate standing in order to take the B. Written Exam.
Note	□ In case B. Written Exam is taken, the Q.E. results must be publically announced within two weeks after the exam.

 Appeal process (for B. Written Exam) Students have the right to dispute the outcome of the exam. Appeals, to be made on an individual course basis, must be made in writing and must be submitted to the Q.E coordinator within 3 business days after the announcement of the outcome.
 Response to appeals is to be processed in the following manner: The written appeal will be processed by the professor in charge of the subject within 3 business days of submission of appeal. The professor in charge will consider the appeal and may take the following actions. (1) Dismiss the appeal, (2) Re-evaluate the submitted answers, possibly resulting in changes in the score, (3) Recommend re-taking of the exam to the Q.E coordinator. The professor in charge must submit a report on the reasons behind the decision. In case of 3), the Q.E coordinator will initiate a due process to re-take the exam and the exam must be re-taken within 3 business days of the decision to re-take the exam. In this case, this re-take will not be considered as a second attempt at the Q.E. (as designated in the "Measures on Unsuccessful Students" section). The outcome of the appeal process will be final. No further appeals will be allowed. These guidelines are effective from the first semester of 2017, and apply to the Ph.D. and MS-Ph.D. students only. These guidelines are not applicable to students who entered the graduate program before 2017.

Department of Physics Major: Physics

	Determined by Q.E. Committee
Times per Year	Twine per year (once for each semester)
Criteria	• Written Test
Subjects	 Classical Mechanics Electrodynamics Quantum Mechanics Statistical Mechanics
Required Time	Determined by Q.E. Committee
Standard for Pass	 Determined by Q.E. Committee For each subject, the written exam will be exempt if the student meets the following requirements: Classical Mechanics A+, A0, A- for Classical Mechanics (PHY501) Electrodynamics Average 3.7 or above for Electrodynamics I, II (PHY503, PHY504) Quantum Mechanics Average 3.7 or above for Quantum Mechanics I, II (PHY505, PHY506) Statistical Mechanics A+, A0, A- for Statistical Mechanics (PHY507)
Measures on Unsuccessful Students	• The student may take one more examination if he or she fails in the first attempt.
Standard for Application	• Students must pass Q.E. within the 3 rd semester after enrolling in the Ph.D. course an the 4 th semester in the M.S-Ph.D. course.
Note	

There are two routes to pass the Ph.D. qualification. One is taking a qualifying exam, and the other is a credit pass.

1. Qualifying Exam

- Four core subjects for the written tests: Classical Mechanics, Electrodynamics I, Quantum Mechanics I, Statistical Mechanics
- There are two chances of taking exams. In the first attempt, students should take all the non-credit
 passed subjects. In the second attempt, students can take only non-passed subjects in the first attempt.
 If any failed subjects in the first attempt meet the credit pass criterion within one year, those subjects
 are waived from the exam.
- The Department of Physics requires combined M.S-Ph.D students to take the first exam within one year from the entrance and pass no later than two years from the entrance. The Ph.D. students should take the first exam within one year from the entrance and pass no later than one and a half years from the entrance.

2. Credit Pass

- The students who earn A- or higher for any core subjects are waived from taking qualifying exams for this subject.
- For two-semester courses such as Electrodynamics and Quantum Mechanics, the average score of I and II should be 3.7 (A-) or higher for the credit pass.
- Only subjects for which the A- criterion is met within one year (March-newcomers) or one and a half years (September-newcomers) from the entrance are accepted as the credit pass (applied both to Ph.D. and combined M.S.-Ph.D programs).
- The credit pass criterion is applied automatically. No separate application is required.

In the above regulations, the semester of leave-of-absence is not counted for the required period to take the exam or credit pass.

Exceptional cases from the above regulations (for example, by dispatch to other institutes, etc) should be reviewed and approved by the department graduate committee.

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Department of Physics Major: Applied Physics

When	 Year-round, but no later than the last day of the week following the final examination week. (Date to be determined by the examination committee) Students must take the first attempt before the end of the fourth semester.
Times per Year	• Twice per year
Criteria	Coursework and Comprehensive Examination
Subjects	 Coursework: Two core courses and two elective courses Elective courses may be any PHY500-, PHY600-, or PHY700- level courses. Students can take Graduate courses from outside the Department of Physics to fulfill the elective course requirement if relevant to their research topic. Comprehensive Examination: Presentation of a research project (goals, results, and plan) followed by examination (both oral) A written report of ongoing and planned research activities (5 to 7 pages) is to be submitted at least two weeks before the examination date.
Required Time	 Comprehensive Examination Presentation: 20–30 minutes Examination: To be determined by the committee
Passing Standard	 Coursework Students must attain an average grade of B (3.0) or higher overall and achieve a grade of B (3.0) or higher in each of the two core courses. Comprehensive Examination Students must pass the comprehensive examination.
Measures on Unsuccessful Students	• Students should pass the qualifying examination within three years after enrollment.
Required Documents	• An application form is due in the first month of the desired semester.
Note	• Students may take the comprehensive examination before or after completion of the required coursework.

	Department of Mathematical Sciences
	Major: Mathematical Sciences
When	Determined by Q.E Committee
Times per Year	Two times / Year
Criteria	Written
Subjects	Students must choose one of the following three courses for their qualifying exam: Real Analysis, Algebra, and Numerical Analysis and Applications.
Required Time	Determined by Q.E Committee
Passing Standard	Determined by Q.E Committee
Measures on Unsuccessful Students	Students may have one more chance if they fail on the first attempt.
	Students must pass a written exam before their 5th semester starts, and this regulation only applies to doctoral and combined program students.
Standard for Application	Students who receive an A+ grade in at least one of the subjects (Real Analysis, Algebra, and Numerical Analysis and Applications) or equivalent courses during their undergraduate or graduate program at UNIST, including other universities, can be exempted from the exam upon the department's academic affairs committee's review.
	Students who transferred from a different department must pass within one year after their transfer. Upon the decision of the department's academic affairs committee, a one-year extension or exemption would be possible.
•	bove apply to graduate students entering in the 2024 academic year or later. They do not
apply retrospectively	Ι.

Department of Chemistry Major: Chemistry

	Major. Chemistry
When	 Year-round, but no later than the last day of the week following the final examination week; date to be determined by the examination committee Students must take the first attempt before the end of the fourth semester.
Times per Year	• Twice per year
Criteria	Coursework and Comprehensive Examination
Subjects	 Coursework: Two core courses and two elective courses Elective courses may be any CHM500- or CHM600-level courses, except CHM590 and CHM690. Students can take Graduate courses from outside the Department of Chemistry to fulfill the elective course requirement if relevant to their research topic. Comprehensive Examination: Presentation of a research project (goals, results, and plan) followed by examination (both oral) A written report of ongoing and planned research activities (5 to 7 pages) is to be submitted at least two weeks before the examination date.
Required Time	 Comprehensive Examination Presentation: 20–30 minutes Examination: To be determined by the committee
Passing Standard	 Coursework Students must attain an average grade of B (3.0) or higher overall and achieve a grade of B (3.0) or higher in each of the two core courses. Comprehensive Examination Students must pass the comprehensive examination.
Measures on Unsuccessful Students	• Students should pass the qualifying examination within three years after enrollment.
Required Documents	• An application form due on the first month of the desired semester
Note	 Students may take the comprehensive examination before or after completion of the required coursework.

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School of Business Administration **Major: Management Engineering**

When	June, December
Times per Year	Twice a year
How	 The student should specify a faculty member affiliated with School of Business Administration (SBA) or Graduate School of Technology and Innovation Management (MOT) as his/her dissertation advisor with the agreement from the faculty member. Qualifying Examination (QE) is administered by SBA QE committee. QE committee is composed of at least three members including his/her dissertation advisor, affiliated with UNIST. QE committee may have additional committee member(s) outside UNIST with the consent of the student and her/his dissertation advisor. All the members in QE committee will be appointed by the Dean of SBA. The details of QE exam are as follows: 11 Test on methodology (Research methods, statistics and data analysis) Questions for this exam will be made based on any topics (related to research methods, statistics and data analysis) that the student learned from the courses in his/her Masters or Doctoral program. The student should submit his/her answers to QE committee within a specified time. This test shall be conducted by in-class test. Test on the field of study (Note: This test includes @ and/or @ as described below) Major exam @ QE committee prepares for the reading list in the specified study field and provides it to the student no later than one month before the date when QE is taken. A set of questions will be made based on the reading list. The student should submit his/her answers to QE committee within a specified time. This test can be conducted by either in-class test or take-home exam and can include oral presentation on his/her answers. Major exam @ QE committee provides to the student the reading(s) related to the field of study. The student should submit a document which may include 1) his/her critiques of the article, 2) his/her own further research idea(s), and/or 3) detailed research plan to pursue his/her research id
Fields of Study	Detailed fields of study o Operations Management o Accounting o Finance/Financial Engineering o Marketing o Management Information Systems

	o Organizational Behavior/Human Resource Management o Strategy Management/Technology Management/Entrepreneurship
Required Time	Determined by QE committee
Standard for Pass	70 points or higher in all the three individual tests described in 4 of the 'How' section above.
Measures on Unsuccessful Students	If the student does not pass the test(s), he/she has a chance to re-take the 'failed' test(s) only once in the following semester. If the student fails again for any individual test(s) he/she re-takes, the student will be terminated from the PhD or the MS-PhD program.
Standard for QE Application	 To apply for taking QE, the student should earn required course credits (for PhD or MS-PhD program) specified in the section of 'Degree Requirement by Management Engineering' in the UNIST Graduate Program Handbook. All PhD or MS-PhD students must take QE within 3 years after having registered the program. If a student does not pass QE within 3 years after the registration, he/she will be terminated from the PhD or the MS-PhD program. If the student applies for QE at the end of the third year in his/her program, the student cannot have a chance to re-take QE.
Note	Effective date for this guideline is Spring 2022. It applies to all PhD and MS-PhD students who take QE from then onward.

Course Registration 수강신청

Course Registration Schedule for Fall 2024

Schedule	Date
Course Registration	Aug. 1st(Thu) 09:00 ~ Aug. 2nd(Fri) 15:00
Course Change and Confirmation	Sep. 2nd(Mon) 08:00 ~Sep. 6th(Fri) 18:00

□ Max./Min. Credits for Course Registration 최대/최소 수강신청 학점

Min. 3 credits ~ Max. 13 credits per semester
 학기별 최소 3학점 ~ 최대 13학점

 Graduate students can register for four hundred unit undergraduate courses up to six credits as graduation credits.
 학사과정 400단위 과목 수강 시 최대 6학점까지 졸업학점으로 인정 가능

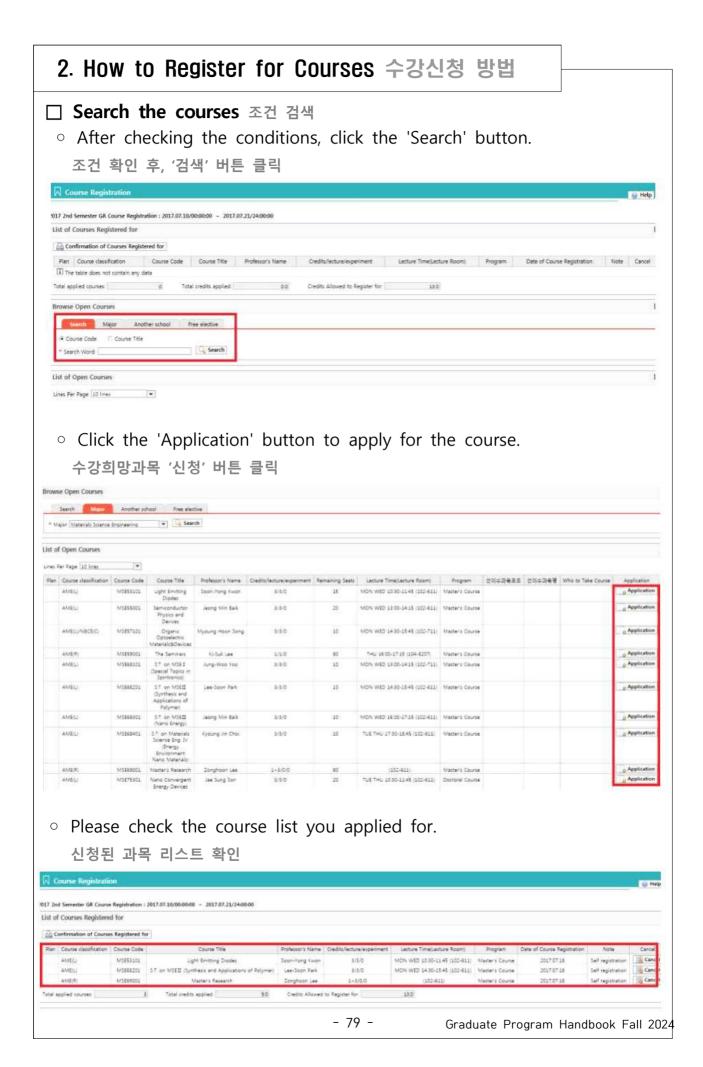
□ Steps for Course Registration 수강신청 단계



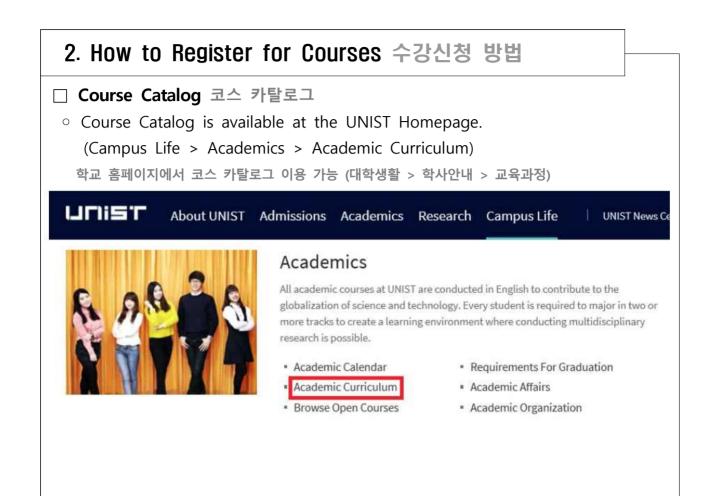
※ 'Final Approval must be done after making all changes on the registration.
지도교수 최종 확인은 모든 정정 절차 마무리 후 진행 필요

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1. Course Registration 수강신청 □ Master's Research / Doctoral Research 석·박사 논문연구 • The variable credit system applies to 'Master's Research' and 'Doctoral Research'. A student can select the credit that he/she wants: 석·박사 과목은 가변학점으로 수강신청 시 희망 학점을 기입 · Master's Research: 1-3 credits · Doctoral Research: 3-9 credits • The number of credits should be decided through consulting with the advisor. 지도교수 상담 후 학점 수 결정 • Students are allowed to register for only one research course of their own degree program (Master's program: master's research, Doctoral program: doctoral research, Combined master's- doctoral program: master's research or doctoral research) 논문연구과목은 각 과정별 과목만 수강 가능 (석사과정생: 석사논문연구, 박사과정생: 박사논문 연구, 석·박사통합과정생: 석사논문연구 또는 박사논문연구) ° 'Master's Research' and 'Doctoral Research' cannot be registered at the same semester. 석사 논문연구와 박사 논문연구 한 학기에 동시 신청 불가 □ Course Change 수강정정 • Students can cancel a course and register for another course if seats remain in the first week of the semester. 학기 첫째 주에 수강과목 취소 및 신청 가능 □ Course Drop 수강 취소 • Application Period: from the 2nd~4th week of each semester 신청 기간: 매 학기 2~4번째 주 • For dropping a course, students are required to apply for "Course Drop" on the portal site. After getting approval from the course instructor, their advisor and Department(school) head, the course will be deleted from registration record. 포털에서 수강취소 신청 가능. 과목 담당교수, 지도교수, 학과(부)장 승인 필요 Course Registration Advisor Approval • When the registration is fully completed, go to the portal and apply for the advisor approval for the course registration. 최종 수강 신청 완료 후(정정 이후 포탈 수강신청 내역 결재를 통하여 지도교수 승인 필요



2. How to Register for Courses 수강신청 방법
 □ Register for Variable Credit Courses 가변학점 신청 'Master's research' and 'Doctoral research' are courses that the variable credit system is applied to. Click the 'Application' button, and then the screen appears as shown below. 석·박사 논문연구과목은 가변학점이며, '신청' 버튼 클릭 시 아래 창이 나타남 ○ Enter the number of credits you would like to register and click the 'Confirmation' button. 수강하고 싶은 학점을 입력하고 '확인' 버튼 클릭 * Student should double check final credit he or she registered. The registered credit shall not be changed during the semester. 최종 수강 학점은 학기 중 변경이 불가하므로, 최종 신청학점 확인 필요
Credits Applied
Confirmation Click confirm after selecting research course credit.
Minimum credits: 3
Maximum credits: 9
* Credits Applied:



VIII Academic Services 학사 서비스

1. Personal Information Update 개인정보 업데이트

□ Personal Information Update (online) 개인정보 업데이트 (온라인)

- If there are any changes to personal contact information such as home phone number, cell phone number or email address, please log into the student portal(http://portal.unist.ac.kr), click on the 'Student Registry' menu and go to the 'Change student info' then enter the new information. (available to change personal contact: if you have a Korean mobile number, please modify your contact for receiving notification SMS from UNIST)
 포털 학적 > 학생정보 > 학생정보 수정에서 개인정보 변경 (연락처, 영문성명 수정도 가능)
- For two-factor authentication (additional authentication through phone, SMS, or mobile app) required to access UNIST services (portal, e-mail, etc.), it is required to install the "Microsoft Authenticator" app or register your mobile number. If you use two-factor authentication by phone/SMS, you cannot receive an authentication code in case your mobile number is changed, so you should register your mobile number which is scheduled to be changed on the account management site (https://account.unist.ac.kr) in advance.

정보서비스(포탈, 이메일 등) 접속 시 요구되는 멀티인증(전화/문자/앱을 통한 이중인증)을 위해 'Microsoft authenticator' 모바일앱 또는 휴대폰 번호 등록이 필요합니다. 전화/문자로 멀티인증을 사용하는 경우 휴대폰번호가 변경되면 인 증코드를 받을 수 없으므로 사전에 계정관리사이트(https://account.unist.ac.kr) 에서 변경 예정인 휴대폰번호를 추가 등록해주셔야 합니다.

 \circ Please contact the Educational Affairs Team for changing your picture in the portal.

포털의 본인 사진 변경 시 학사팀 학적 담당자에게 연락

dent informa	tion							
	Student numb Name: Vear/semeste State of schor	er(total)		Degree program School Academic advisor Co-advisor			Track4 Track1 Track2 Track3	
dent informa Status char		Information	Contact English Qui	alification Test Major	Academic advisor	Bank information	Health insurance information	Tuitior
		Information Start Year	Contact English Qui	alification Test Major State of school regis			Health insurance information Details for status change	Tuition Year in w

2. Certificates 증명서

□ Types of Certificates

	Types	Certificate
1	Undergraduate/Graduate	Certificate of Enrollment
2	Undergraduate/Graduate	Certificate of Expulsion
3	Graduate	Certificate of Course Completion
4	Undergraduate	Certificate of Graduation
5	Graduate	Certificate of Degree Conferment
6	Undergraduate	Certificate of Expected Graduation
7	Graduate	Certificate of Expected Course Completion
8	Graduate	Certificate of Expected Degree Conferment
9	Undergraduate/Graduate	Academic Transcripts
10	Undergraduate/Graduate	Certificate for Leave of Absence
11	Undergraduate/Graduate	Confirmation of scholarship
12	Undergraduate/Graduate	Confirmation of Non Payment of scholarship
13	Undergraduate	Certificate of Grade Completion
14	Undergraduate/Graduate	History of Enrollment

※ Students are required to input his/her English name on the portal site for the English version of his/her certificates. 포털 영문 성명이 정확히 입력되어 있어야 함

※ Certificate of Enrollment can be issued during enrolled period. (not available during the leave of absence) 재학증명서는 재학기간 중 발급, 휴학기간 중에는 휴학증명서 발급 가능

\Box Services

Types	Contents	Service type	Cost
Kiosk	Machines are available for 24 hours a day	Print	500 won/1 copy
Internet	Real-time issuance using the Internet	Print, Digital format, Domestic delivery	Print: free Digital: 2,000 won/1 copy Delivery: 8,000 won/1 copy
PostMAN	International Mail Service	DHL Mailing	Actual cost
Fax	Applying through '정부24(gov.kr)'website	Visit community service center	Commission (community service center)
Online Attachment	Attaching certificates to Human Resources Development Service of Korea	Attach	Commission (HRD Service of Korea)

* UNIST certificate issuance: use the same ID(not student number)/PW as the UNIST portal <u>https://uni.webminwon.com/servlet/WMINDEX?COMMAND=UNIST&LA=ko_KR</u>

X Fax, mobile, and online attachment services are available only for Korean students.

☐ How to issue

	Types	How to	Remarks	
		MAB 1F, Lobby of the Bldg.104 (kiosk)	Educational Affairs	
	On campus	MAB 2F Educational Affairs Team	Team 052-217-1116	
		Available time: weekdays 09:00~18:00	Services related	
	Internet(PostMAN)	Portal-Certificate issuance	inquiries 02-1644-2378	
×	For further inform	For further information, contact the Educational Affairs Team: 052-217-1116(Tel)/1119(Fax)		

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3. Campus Map 캠퍼스 지도

https://www.unist.ac.kr/about-unist/directions/map/



Office		Contact Info	
Office	Location		Tel.: 052-217-
Educational Affairs Team	201 Main Administration Bldg. #203		1112~7
Mechanical Engineering			1807
Civil, Urban, Earth, and Environmental Engineering			1803
Graduate School of emiconductor Materials and Devices Engineering	Academic and Student	108 Natural Science	1807
Materials Science and Engineering	Affairs Team, College of Engineering	Bldg. #U203-2	1802
Energy and Chemical Engineering			1806
Nuclear Engineering			1802
Graduate School of Carbon Neutrality			1806
Design			1846
Industrial Engineering			1847
Biomedical Engineering			1848
Biological Sciences	Academic and		1848
Graduate School of Artificial Intelligence	Student Affairs Team, College	108 Natural Science	1846
Graduate School of Health Science and Technology	of Information and Biotechnology	Bldg. #U203-1	1848
Electrical Engineering			1847
Computer Science and Engineering			1846
Physics	Academic and	108 Natural Science Bldg #701-12	1882
Mathematical Sciences	Student Affairs Team, College		1882
Chemistry	of Natural Sciences		1883
School of Business Administration	School of Business Administration Admin. office	114 Business Administration Bldg. #601	3666