

1. DOES office

Office Phone & E-mail	Office Hour	Location	Homepage & Facebook
+82-31-299-4272 shinssy25@skku.edu	09:00~17:30(Mon.~Fri.) 12:00~13:00(Lunch Break)	#86420 4th floor Block A, N Center	http://does.skku.edu https://www.facebook.com/does.skku

2. Coursework/Graduation * **How to check: GLS → Check-up Graduation**

Section		Master's	PhD	Combined
Semesters	Regular Semester (=Coursework)	4 semesters	4 semesters	8 semesters ☞ Early Completion: You can shorten 1 or 2 semesters if you complete required credits
	Research Semester	NONE	4 semesters ☞ You can shorten up to 3 semesters if you meet all the criteria to graduate	
Required Credits	Credits in Total	24 Credits	36 Credits	51 Credits
	Credits in Major	12 Credits	18 Credits	30 Credits
Coursework Completion Criteria		Complete required credits, GPA must be 3.0 or above		
Academic Writing and Research Ethics 3 (COV7003-41) [Mandatory & Pre-requisite Subject]		<ul style="list-style-type: none"> Pre-requisite subjects are NOT included in your total credit and course registration credit. You MUST complete the semester before you apply for final defense. 		
CORE subjects (refer to 5-2 ② table) [Mandatory Subject]		There are 11 CORE subjects. You MUST complete at least 2 CORE subjects during regular semester(coursework) in order to graduate.		
Seminar subjects (Pass/Fail) [Highly Recommended Subject] Energy Convergence Research 1~4 (ESC5021~5024, Pass/Fail) [Individual Research Subject]		<ul style="list-style-type: none"> ESC5178 Energy Distinguished Lecture Series I (1 credit) Spring semester ESC5179 Energy Distinguished Lecture Series II (2 credits) Fall semester 		
		Max. 6 Credits	Max. 9 Credits	Max. 12 Credits
Thesis Qualifying Exams [MANDATORY]		Pass English exam and Major exam OR get exempted		
Safety education [MANDATORY]		Once EVERY semester until you graduate		
Graduation Requirement	Finishing Course-work	MANDATORY	MANDATORY ☞ You CANNOT apply for preliminary defense & Thesis defense in one semester	
	Thesis Qualifying exam			
	Safety education			
	Preliminary defense			
	Thesis Defense	MANDATORY		
Degree		Master of Science OR Engineering in Energy Science	Ph. D. in Energy Science (Major: Energy Science)	

☞ Master's: Including those who withdraw from combined course

☞ Early Completion: You have to apply on your 6th semester to shorten 2 semesters or 7th semester to shorten 1 semester.

☞ After 4 research semesters, which is called "Additional Research Semester", you DO NOT have to pay any tuition fee but you have to follow the registration procedure on GLS.

3. Course Registration <https://sugang.skku.edu/skku/>

☞ You are NOT allowed to re-take or withdraw

☞ Courses are uploaded on icampus.skku.edu (Use Google Chrome)

Program	Maximum Credit	Additional Credit
PhD	9 Credits* per semester	Can take up to 12 credits for any 1 ~ 2 semesters
Combined	(Pre-requisite subjects are NOT included)	Can take up to 12 credits for any 1 semester

* How to adjust: GLS → Courses → Graduate Registration → Adjustment of Available Credits



4. Safety Education

Education	Hours	How to	Remark
Online	6 hours per semester	http://safety.skku.edu Complete safety education on the FIRST month of every semester	MANDATORY/ EVERY SEMESTER

5. Thesis Qualifying Exam (consist of English Exam & Major Exam)

Section	English	Major
When to apply	1 st week of every semester	
How to apply	GLS → Application/Graduation → Application for Test → App. For Taking Examination	

5-1. English Exam **☞ Freshmen can also apply.**

Section	Criteria
Official English Score ☞ YOUR SCORE MUST BE VALID WHEN YOU SUBMIT.	TOEIC • Master's: 700 or above • PhD & Combined: 800 or above
	TOEFL • Master's: 80 or higher (old iBT) or 4.5 (new iBT) OR 213(CBT) or above • PhD & Combined: 88 or higher (old iBT) or 4.5 (new iBT) OR 230(CBT) or above
	New TEPS • Master's: Level 3+ 315(New TEPS) or above • PhD & Combined: Level 2+ 404(New TEPS) or above
	G-TELP • Master's: Level 2 64% or above OR Level 3 85% or above • PhD & Combined: Level 2 76% or above OR Level 3 99% or above
Exemption	IELTS (Academic) • Master's: Overall Band Score 6.5 or above (Paper or Computer) • PhD & Combined: Overall Band Score 7.0 or above (Paper or Computer) • Master's: Publish 1 SCI(E) paper as a first author ☞ DOES, SKKU must be included in your affiliation when the paper was published. • PhD & Combined: Publish 4 SCI(E) papers as a first author or sum of IF should be above 15 as a first author ☞ Your affiliation MUST be DOES, SKKU when the paper was published.

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5-2. Major Exam

① Qualification to apply

Status	Program	Qualification		
		Credits (Major+others)	GPA	Safety Education
Regular Semester & Research Semester Student	Master's	15 Credits	3.0	Complete
	PhD	27 Credits	3.0	Complete
	Combined	39 Credits	3.0	Complete

② Exam subjects / Exemption

Section	Master's & PhD & Combined	Remarks
Exam Subjects (=CORE Subjects)	[Students who enrolled 2015 Fall and before] ESC5002/ESC5005/ESC5033/ESC5043/ESC5046 [Students who enrolled 2016 Spring and after] ESC5103/ESC5104/ESC5105/ESC5106/ESC5107/ ESC5108/ESC5110/ESC5114/ESC5115/ESC5116/ESC5117 (Choose 2 subjects that you completed)	• Same subjects but difficulty will vary between Master's & Phd & Combined. • These subjects are CORE subjects which you need to complete at least 2 subjects during your regular semesters(coursework) ☞ ONLY for the students who enrolled in 2018 and after
Exam Date & Passing Mark	• Spring semester: March • Fall semester: September • Passing Mark: 70 marks or above ☞ If you fail, you may re-apply in your next semester. If you fail one subject, you just have to apply for 1 subject in your next semester OR apply for an exemption.	
Exam Exemption	• Master's: Publish (OR receive final acceptance email) 1 SCI(E) paper as a first author ☞ DOES, SKKU must be included in your affiliation when the paper was published. • PhD & Combined: Publish 1 SCI(E) paper as a first author or co-author ☞ DOES, SKKU must be included in your affiliation when the paper was published.	

6. Defense Qualification [When to apply: Spring semester - April, Fall semester - October]

Section	Program	Qualification to apply	
Preliminary Defense	Master's	None	
	PhD	27 credits or above	<ul style="list-style-type: none"> • Credits MUST be acquired the semester before you apply • GPA 3.0 or above
	Combined	39 credits or above	
Thesis Defense	Master's	24 credits or above	
	PhD	33 credits or above	<ul style="list-style-type: none"> • Pass preliminary defense ☞ DOES, SKKU must be included in your affiliation when the paper was published. [Students enrolled in 2010 and before] • Publish 2 SCI(E) papers as a first author OR a co-author • An Oral OR a poster presentation at an International Conference [Students enrolled in 2011 & 2012] • Publish 4 SCI(E) papers (2 of the papers MUST be as a first author) • An Oral OR a poster presentation at an International Conference
			<ul style="list-style-type: none"> [Students enrolled in 2013 and after] • Publish 3 SCI(E) papers as a first author OR sum of IF of the papers should be over 10 as a first author • An Oral OR a poster presentation at an International Conference [Standard of International Conference] • At least 2 countries including Korea must participate • More than 5 Institutes (e.g. Universities) • More than 30 oral and poster presentations
Combined	51 credits or above	<ul style="list-style-type: none"> • Credits MUST be acquired the semester before you apply • Complete Academic Writing and Research Ethics • GPA 3.0 or above • Complete safety education EVERY SEMESTER • Pass the thesis qualifying exam • Complete AT LEAST 2 CORE SUBJECTS ☞ ONLY for the students who enrolled in 2018 and after 	

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7. Defense

Section	Program	Defense Committee Member	Criteria
Preliminary Defense	PhD & Combined	3 people or above (Including advisor) <ul style="list-style-type: none"> • Must include at least 1 SKKU full-time faculty • May include external examiner (not mandatory) 	Approval 2/3
Thesis Defense	Master's	3 people or above (Including advisor) <ul style="list-style-type: none"> • Must include at least 1 SKKU full-time faculty • May include external examiner (not mandatory) 	Approval 2/3
	PhD & Combined	5 people or above (Including advisor) <ul style="list-style-type: none"> • Not necessary to include same preliminary defense committee members • Must include at least 2 SKKU full-time faculty • May include external examiner (not mandatory) 	Approval 4/5

☞ It is advised to send your thesis/dissertation and presentation material to all defense committee members 2 weeks before thesis defense. (In case of preliminary defense, just presentation material.)

☞ In case of co-advisor:

- Write DOES advisor as Major Advisor 1.
- Number of defense committee members for preliminary defense is 4, Master's thesis defense is 4 and PhD & Combined thesis defense is 6.