

Credit Requirements for the Master of Entrepreneurship and Innovation Program

(For Coursework in the Master's Program)

Coursework in the Master's Program

Please make sure to check the common credit requirements separately.

■ **Graduation credit requirements:** Completion of a total of 33 or more credits (GPA: 2.5/4.3 or above)

Degree program	Mandatory general courses	Curriculum			Research credits	Total credits to be completed
		Mandatory major courses	Electives	Departmental major courses		
Professional master's program	3 or more credits	4 credits	8 or more credits	12 or more credits	6 credits	33 or more credits

■ **Mandatory general courses:** 3 credits (including 0-credit courses)

- Completion of CC533 "Entrepreneurial Leadership" (3 credits)
- Completion of CC020 "Ethics and Safety I"
 - * Completion in the first semester after entrance recommended
- Completion of CC010 "Special Lecture on Leadership" (0 credit)

■ **Mandatory major courses:** Completion of a total of 4 credits

- Completion of KEI501 "Advanced Multidisciplinary Capstone Design"

■ **Elective courses:** Completion of a total of 8 or more credits

- Completion of courses offered by K-School (course code: KEI)

■ **Credit requirements per department:**

- Completion of 12 or more credits out of the relevant major courses (please see the Annex)

■ **Research courses:** Completion of a total of 6 credits

- Completion of 6 credits; credits for KEI550 "Entrepreneur's Toolbox" (3 credits) transferable to research courses

■ **Transitional Measures:**

- The credit requirements above apply from autumn semester 2016.
- Credit requirements for both the Division of Future Vehicles and the School of Business and Technology Management are to apply from spring semester 2017. <2016-6th

Course Committee>

○ Changes to the credit requirements for the Graduate School of Knowledge Service Engineering are to apply from spring semester 2017. <2016-7th Course Committee>

○ Changes to the credit requirements for the School of Business and Technology Management are to apply from autumn semester 2017. <2017-1st Course Committee>

○ Credit requirements for the Graduate School of Culture Technology are to apply from autumn semester 2017. <2017-1st Course Committee>

○ Credit requirements for the Cho Chun Shik Graduate School for Green Transportation are to apply from the autumn 2018 semester. <2018-2nd Course Committee>

<Credit Requirements per Department>

Department (School)/program	Major credit s	Details
Department of Physics	12	○ Major courses
Department of Mathematical Sciences	12	○ Including 6 credits of departmental courses numbered 500 or higher
Department of Chemistry	12	○ Mandatory elective courses: 9 credits (completion of 9 credits of courses numbered 500 or higher from two or more fields) ○ General elective courses: 3 credits
Department of Biological Sciences	12	○ Including two departmental courses numbered 400 or higher
Department of Mechanical Engineering	12	○ Major courses
Department of Aerospace Engineering	12	○ Completion of 12 or more credits of master's/Ph.D. courses named "AE-" (including courses mutually recognized for undergraduate and graduate programs)
School of Electrical Engineering	12	○ Including three or more courses numbered EE500 or higher
- Division of Future Vehicle	12	○ Major courses
School of Computing	12	○ Only courses CS500 or higher recognized ※ Out of 12 credits, complete at least 6 credits by selecting two out of the three fields below and then complete one or more courses from each of the two fields selected: 1) Theory "Algorithm Design and Analysis," "Formal Language and Automata Theory," "Computational Geometry," "Computational Linguistics" 2) Software "Programming Language Theory," "Software Engineering," "Database Systems," "Database Design" (credits recognized for either "Database Systems" or "Database Design" but not both), "Artificial Intelligence and Machine Learning," "Intelligent Robotics," "Natural Language Processing 1," "Computer Vision," "Computer Graphics," "Semantic Web," "Software System Modeling," "Software and System Design" 3) Computer Systems "Computer Structure," "Operating System," "Network Architecture," "Internet System Technology," "Advanced Information Protection," "Wireless Mobile Internet," "Distributed Systems"
Department of Civil and Environmental Engineering	12	○ Major courses
Department of Industrial and Systems Engineering	12	○ Including 9 credits of IE courses numbered 500 or higher
- Graduate School of Knowledge Service Engineering	12	○ Major courses
Department of Chemical and Biomolecular Engineering	12	○ Mandatory courses: Including "Chemical and Biomolecular Engineering Research Methodologies" and "Problem Solving in Chemical and Biomolecular Engineering" (two courses)
Department of Materials Science and Engineering	12	○ Major courses
Department of Nuclear and Quantum Engineering	12	○ Major courses
Graduate School of Culture Technology	12	○ Up to 9 or more credits of major courses, 3 credits of courses numbered CTP400 recognized
School of Business and Technology Management	12	○ Mandatory elective courses: MSB510 "Innovation Management and Strategy" (3 credits) ○ General elective courses: Major courses numbered MSB500 or higher (9 credits)
Cho Chun Shik Graduate School for Green Transportation	12	○ Courses numbered GT500 or higher