

**Major Course Completion Requirements for  
Space Exploration Engineering Program  
(For Master's Program)**

**Thesis Mater's Degree Program**

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**Please check the common graduation requirements.**

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■ **Credit Requirement for Graduation:** Required to complete a total of more than 33 credits

■ **Mandatory General Courses:** 3 credits and 1AU

- Should select at least 1 course among CC500(Scientific Writing), CC510(Introduction to Computer Application), CC511(Probability and Statistics), CC512(Introduction to Materials and Engineering), CC513(Engineering Economy and Cost Analysis), CC522(Introduction to Instruments), CC530 (Entrepreneurship and Business Strategies).

■ **Mandatory Major Courses:** 6credits

■ **Elective Courses(Essential):** at least 12 credits

- Student's Departments and other elective majors selected by Space Exploration Engineering Program are permitted.

■ **Research Courses:** at least 12 credits

- It could be substituted with research course in the student's department.

□ **Transitional Measures**

**Major Course Completion Requirements for  
Space Exploration Engineering Program  
(For Doctoral Program)**

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**Please check the common graduation requirements.**

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**Credit Requirement for Graduation:** Required to complete a total of more than 60 credits

**Mandatory General Courses:** 3 credits and 1AU

**Elective Courses(appointed):** 9credits

**Elective Courses(Elective):** At least 18credits

- Student's Departments and other elective majors selected by Space Exploration Engineering Program are permitted.

**Research Courses:** at least 30 credits

Research, Individual research, and seminars can be included in 30credits.

(can be substituted student's department research credit)

**Transitional Measures**

Others : Credits earned in the master's program are accumulated in the Ph.D. program.  
(exclude research credits)