Major Course Completion Requirements for Graduate school of Quantum Science and Technology

(For Master's course students admitted in 2023 and after)

Thesis Mater's Degree Program

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

▣ **Mandatory General Courses :** Required to complete more than 3 and 1AU credits

○ Courses designated by the department: CC500 Scientific Writing, CC510 Introduction to Computer Application, CC511 Probability and Statistics, CC512 Introduction to Materials and Engineering, CC522 Introduction to Instruments.

▣ **Mandatory Major Courses:** None

▣ **Elective Courses:** Required to complete a total of more than **18** credits

○ more than 18 credits from Graduate school of Quantum Science and Technology.

- Basic course: more than 6 credits
- Advanced course: more than 9 credits
- Project-based learning: more than 3 credits

※ If you have completed the basic course, you can replace it with an advanced course.

※ Only other department's subjects recognized by the Graduate school of Quantum Science and Technology are accepted as optional credits.

▣ **Research Courses:** Required to complete at last **12** credits

○ Required to complete more than 1 credit of PH966 required.

☐ **Other matters**

◦ Applied to students admitted in the fall semester of 2023 and student who Department transferred.

Major Course Completion Requirements for Graduate school of Quantum Science and Technology

(For MS-PhD Integrated course students admitted in 2023 and after)

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

▣ **Mandatory General Courses:** Required to complete more than 3 and 1AU credits

○ Courses designated by the department: CC500 Scientific Writing, CC510 Introduction to Computer Application, CC511 Probability and Statistics, CC512 Introduction to Materials and Engineering, CC522 Introduction to Instruments. (not required if taken during the Master's degree program)

▣ **Mandatory Major Courses:** None

▣ **Elective Courses:** Required to complete a total of more than **27** credits

○ more than 18 credits from Graduate school of Quantum Science and Technology.

- Basic course: more than 6 credits
- Advanced course: more than 15 credits
- Project-based learning: more than 6 credits

※ If you have completed the basic course, you can replace it with an advanced course.

※ Only other department's subjects recognized by the Graduate school of Quantum Science and Technology are accepted as optional credits.

▣ **Research Courses:** Required to complete a total of more than 30 credits

○ Required to complete more than 1 credit of PH966 required.

☐ **Other matters**

◦ The curriculum credits and research credits earned from the master's course may be cumulatively counted.

◦ Applied to students admitted in the fall semester of 2023 and student who Department transferred.

Major Course Completion Requirements for Graduate school of Quantum Science and Technology

(For PhD Integrated course students admitted in 2023 and after)

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

▣ **Mandatory General Courses:** Required to complete more than 3 and 1AU credits

○ Courses designated by the department: CC500 Scientific Writing, CC510 Introduction to Computer Application, CC511 Probability and Statistics, CC512 Introduction to Materials and Engineering, CC522 Introduction to Instruments. (not required if taken during the Master's degree program)

▣ **Mandatory Major Courses:** None

▣ **Elective Courses:** Required to complete a total of more than **27** credits

○ more than 18 credits from Graduate school of Quantum Science and Technology.

- Basic course: more than 6 credits
- Advanced course: more than 15 credits
- Project-based learning: more than 6 credits

※ If you have completed the basic course, you can replace it with an advanced course.

※ Only other department's subjects recognized by the Graduate school of Quantum Science and Technology are accepted as optional credits.

▣ **Research Courses:** Required to complete a total of more than 30 credits

○ Required to complete more than 1 credit of PH966 required.

☐ **Other matters**

◦ The curriculum credits and research credits earned from the master's course may be cumulatively counted.

◦ Applied to students admitted in the fall semester of 2023 and student who Department transferred.