

**Major Course Requirements for  
Program of Brain and Cognitive Engineering  
(For Master's program)**

Thesis Master's Degree Program

- **Credit Requirement for Graduation:** completion of a minimum of 33 credits
- **Common Mandatory :** at least 3 credits and 1AU
  - Choose one among CC500 Scientific Writing, CC510 Introduction to Computer Application, CC511 Probability & Statistics, CC512 Introduction to Science of Advanced Materials, CC513 Industrial Economics and Cost Analysis, CC522 Introduction to Instrumentation, CC530 Entrepreneurship and Business Strategy, and CC531 Patent Analysis and Invention Applications
- **Mandatory Major Courses :** completion of a minimum of 6 credits
  - BCE 500 Brain Cognitive Engineering I
  - BCE 501 Brain Cognitive Engineering II
- **Elective Courses :** completion of a minimum of 12 credits
- **Research Courses:** completion of a minimum of 12 credits
  - Twelve research credits should include 2 credits in Seminar.

□ **Transitional measure**

- These completion requirements apply to students admitted in the second semester of 2015 or after.

**Major Course Completion Requirements for  
Program of Brain and Cognitive Engineering  
(For doctoral program )**

- **Credit requirement for Graduation:** completion of a minimum of 60 credits
  
- **Common Mandatory:** completion of a minimum of 3 credits and 1 AU
  - Choose one among CC500 Scientific Writing, CC510 Introduction to Computer Application, CC511 Probability & Statistics, CC512 Introduction to Science of Advanced Materials, CC513 Industrial Economics and Cost Analysis, CC522 Introduction to Instrumentation, CC530 Entrepreneurship and Business Strategy, and CC531 Patent Analysis and Invention Applications
  
- **Mandatory Major :** completion of a minimum of 6 credits
  - BCE 500 Brain Cognitive Engineering I
  - BCE 501 Brain Cognitive Engineering II
  
- **Elective:** completion of a minimum of 21 credits
  
- **Research :** completion of a minimum of 30 credits
  - Thirty research credits should include 4 credits in Seminar.

□ **Transitional measure**

- These completion requirements apply to students admitted in the second semester of 2015 or after.

**Major Course Completion Requirements of  
Program of Brain and Cognitive Engineering  
(For MS-PhD integrated program)**

■ **Credit Requirement for Graduation:** completion of a minimum of 60 credits

■ **Common Mandatory:** completion of minimum of 3 credits and 1 AU

- Choose one among CC500 Scientific Writing, CC510 Introduction to Computer Application, CC511 Probability & Statistics, CC512 Introduction to Science of Advanced Materials, CC513 Industrial Economics and Cost Analysis, CC522 Introduction to Instrumentation, CC530 Entrepreneurship and Business Strategy, and CC531 Patent Analysis and Invention Applications

■ **Mandatory Major:** completion of a minimum of 6 credits

- BCE 500 Brain Cognitive Engineering I
- BCE 501 Brain Cognitive Engineering II

■ **Elective:** completion of a minimum of 21 credits

■ **Research:** completion of a minimum of 30 credits

- Thirty research credits should include 4 credits in Seminar.

□ **Transitional measure**

- These completion requirements apply to students admitted in the second semester of 2015 or after.