

## Major requirements for Industrial & Systems Engineering (For undergraduate students admitted in 2016 and after)

Please check the common graduation requirements.

- **Credit Requirement for Graduation:** Required to complete a total of more than 136 credits
  - ※ Required to choose and complete one among Advanced Major, Double Major, Minor, and Individually Designed Major.
  
- **(Special Note) Other curricular requirements except for major or research course set by Department of Industrial & Systems Engineering**  
Elective Basic Courses: at least 9 credits (The students who entered in or after the 2010 academic year must take the basic course of MAS109).
  
- **Major:** at least 45 credits
  - Mandatory Major Courses: at least 24 credits
  - Elective Major Courses: at least 21 credits
  
- **Advanced Major:** at least 12 credits  
from Elective major course at least 12 credits  
\*Elective major courses with IE code only.
  
- **Individually Designed Major:** at least 12 credits  
Students must take 12 credits or more of major courses from more than two departments other than Industrial & Systems Engineering.
  
- **Minor:** at least 18 credits  
At least 18 credits in Industrial & Systems Engineering Major courses.
  - ※ No credits from the same course will be doubly counted to satisfy major and minor department requirements.
  
- **Double Major:** at least 40 credits  
at least 40 credits from major courses, including 24 credits in required major courses.
  - ※ Up-to 6 credits can be doubly counted to satisfy both major department requirements.
  
- **Research Courses:** at least 6 credits
  - Students must take 3 credits for Research in Industrial & Systems Engineering (IE490).
  - IE Seminar : 1 credit (required), A foreign student doesn't need to take the

seminar course.

- Individual Study : up-to 2 credits.

**Transitional Measures**

- Students admitted in 2015 or before may choose to be governed by the completion requirements listed above if desired.