

# The “Computer Science English Program” master degree (CSE)

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# What is the CSE program?

- A master degree program in the Computer Science Department, where all lecture credits can be taken in English;
- Established in 2011 by MEXT's “Global 30” (G30) initiative, changed to CSE in 2014
- 14 CS lectures held in English;
- Although it is aimed at international students, any student in the CS department can take these classes, or participate in the program;
- <http://www.cs.tsukuba.ac.jp/cse/>

# Curriculum

- Elective Courses ( CSE program )
  - Advanced Lecture In Computational Algorithms (2 credits)
  - Special Lecture In Numerical Simulation (2 credits)
  - Basic Computational Biology (2 credits)
  - Programming Environment (2 credits)
  - Data Engineering I (2 credits)
  - Advanced Course In High Performance Computing (2 credits)
  - Introduction to Neuroscience for Engineers (1 credit)
  - Experiment Design in Computer Science (2 credits)
  - Statistical Analysis (2 credits)
  - Topics in Computational Sciences I~III (1 credit each)
- University-wide courses
  - Computational Science Literacy (1 credit)
  - HPC Technology for Computational Science (1 credit)

# Enrollment Rules

- You need to enroll in 30 credits, 12 from obligatory common courses and 18 from elective courses. You can also enroll in any course provided by the SIE graduate school (including university wide courses) as elective courses.
- You can enroll in up to 10 credits from courses provided by other graduate schools. However, prior authorization from your advisor and the department's chair is necessary.
- Besides the 30 credits above, you also need to pass the thesis examination and the final test to earn the master degree.

# Rules for Degree Awarding

- Besides the normal conditions for graduation, a student who takes 10 or more credits from:
  - Elective Courses in the CSE program;
  - University-wide courses  
(Computer Literacy or HPC Technology for Computational Sciences)is eligible to complete the CSE program. The completion certificate is added to the Master diploma.
- Suggestions for 10 credits registration:
  - 5 2-credit courses
  - 4 2-credit courses, and 2 intensive courses
  - 3 2-credit courses, and 4 intensive courses

# Course Registration Rules

- From TWINS, you can register into courses from “Computer Science English”.
- International students should send an e-mail to the address below, with their name and student number, to register into the CSE program.

[s-g30@cs.tsukuba.ac.jp](mailto:s-g30@cs.tsukuba.ac.jp)

- If you can't complete 10 credits from the CSE subjects, you won't receive a “CSE program completion” notice in the diploma. However, you can still complete the Master degree as a regular student.