



CALIFORNIA INSTITUTE OF TECHNOLOGY

Application Instructions – Required Tests

GRADUATE RECORD EXAM (GRE)

The Verbal, Quantitative, and Analytical components of the Graduate Record Examination are required by all graduate options, and advanced GRE Subject scores are required or strongly recommended by several options as part of the application for graduate admission. Testing schedules and information on the GRE may be obtained at www.gre.org. Caltech's institution code is 4034. **A subject code is not required.**

The following options also require (R) or strongly recommend (SR) applicants to take GRE Subject tests as specified below:

<u>Option</u>	<u>GRE Subject Test</u>	<u>R or SR</u>
Applied and Computational Mathematics	Mathematics	SR
Applied Physics	Physics	SR
Astronomy	Physics	R
Biology	*	SR
Biochemistry and Molecular Biophysics	*	SR
Bioengineering	*	SR
Chemistry	Chemistry / Biochemistry / Physics	R
Computational and Neural Systems	*	SR
Computer Science	Computer Science**	SR
Geological and Planetary Sciences - Geochemistry	Chemistry	SR
Geological and Planetary Sciences - Planetary Science	Physics	SR
Physics	Physics	R
Mathematics	Mathematics	R

* Applicants are strongly recommended to take the subject test that is most relevant to their intended course of study.

** Applicants may choose to take an advanced test in another scientific field of study instead of the computer science test.

ENGLISH PROFICIENCY TESTING (INTERNATIONAL STUDENTS ONLY)

Students from non-English-speaking countries are expected to read, write, comprehend, and speak English in order to be admitted for graduate study.

Applicants whose first or native language is not English are required to take a test of English proficiency as part of the application process. Caltech recognizes scores from the Educational Testing Service (ETS) www.toefl.org, Pearson's Test of English Academic (PTE) www.pearsonvue.com/pte, and from the Cambridge Examinations and International English Language Testing System (IELTS) www.ielts.org. Applicants who take the TOEFL exam are also strongly encouraged to take the Test of Written English (TWE) and the Test of Spoken English (TSE) and to submit these scores as part of their application. Applicants should arrange for the results of these tests to be sent to the Office of the Dean of Graduate Studies prior to the application deadline. Caltech's institution code is 4034.

It is strongly recommended that students who do not achieve a high score on these tests or who have had little opportunity to communicate in English make arrangements for intensive work during the summer preceding their registration. All international students are screened for English proficiency upon arrival at Caltech. Students will be required to take non-credit ESL courses if found to be deficient in their ability to communicate in English.