

Doctor of Philosophy Program in Earth System Science

Graduation Requirements

Plan 1.1 (3 Years)

- 1) Have completed all required courses of the curriculum.
- 2) Have passed the qualifying examination.
- 3) Have passed the thesis proposal defense.
- 4) Have passed the thesis final defense.
- 5) Have the thesis published or have obtained acceptance of publication for 2 papers, where the first paper has to be in a journal listed in the ISI database with the first author and the paper has to be in a journal listed in the Scopus database.
- 6) Have satisfied one of the following English proficiency requirements:
 - IELTS test score 6.0 or higher overall for the Academic Test or
 - TOEFL test score:
 - For the TOEFL IBT 78 or higher or
 - For the TOEFL Paper-Delivered Testing:
 - Reading 13 or higher, and
 - Listening 15 or higher, and
 - Writing 22 or higher
 - For the TOEFL ITP:
 - Listening Comprehension 55 or higher, and
 - Structure & Written Expression 63 or higher, and
 - Reading Comprehension 56 or higher
 - CU-TEP test score 80 or higher or
 - PSU-TEP test score 73 or higher

Plan 1.2 (4 Years)

- 1) Have completed all required courses of the curriculum.
- 2) Have passed the qualifying examination.
- 3) Have passed the thesis proposal defense.
- 4) Have passed the thesis final defense.
- 5) Have the thesis published or have obtained acceptance of publication for 2 papers, where the first paper has to be in a journal listed in the ISI database with the first author and the paper has to be in a journal listed in the Scopus database.
- 6) Have satisfied one of the following English proficiency requirements:
 - IELTS test score 6.0 or higher overall for the Academic Test or
 - TOEFL test score:
 - For the TOEFL IBT 78 or higher or
 - For the TOEFL Paper-Delivered Testing:
 - Reading 13 or higher, and
 - Listening 15 or higher, and
 - Writing 22 or higher
 - For the TOEFL ITP:
 - Listening Comprehension 55 or higher, and
 - Structure & Written Expression 63 or higher, and
 - Reading Comprehension 56 or higher
 - CU-TEP test score 80 or higher or
 - PSU-TEP test score 73 or higher