

IGS PHD PROGRAMME

Through NTU's [Interdisciplinary Graduate School](#), the Complexity Institute offers Doctor of Philosophy (PhD) programmes and scholarships in the following areas:

1. Critical Transitions in Man-Made and Natural Systems
2. Theory of Complex Systems
3. Urban Adaptive Dynamics
4. Dynamics of Pattern Formation in Biofilms
5. Large Scale Agent Based Models and Cellular Potts Models

Programme Highlights

You will undertake interdisciplinary research, be supervised and mentored by top professors and scientists. There will also be opportunities for collaborations with public agencies and other research centres and institutions.

Program Requirements

Coursework

- Complete a minimum of 12 Academic Units (AU) of graded graduate level courses within 12 months and 6 AU of audited (pass/fail) graduate level courses before graduation
- Achieve a minimum Cumulative Grade Point Average (CGPA) of 3.50

Exemption may be granted if the student is deemed to have already done sufficient coursework in the relevant area in a Master's degree programme at a recognised university

Qualifying Examination (QE)

- Submit a written report and give an oral presentation.
- Be examined by local examination panel
- Pass the PhD Qualifying Examination (between 12-15 months from the time of admission)

PhD Thesis Examination (TE)

- Submit a thesis and give an oral presentation.
- Be examined by both local and overseas examination panel
- Pass the PhD Thesis Examination (within 5 years from the time of admission)

Publication of first- or second-authored research papers in top-tier journals is strongly encouraged.

Scholarship Tenure

The IGS PhD scholarship is tenable up to four years, or up to the date of graduation, whichever is earlier. The scholarship will cover the following:

- Full tuition fees
- Monthly stipend
- Conference allowance

The scholarship award will be reviewed annually and its renewal is subject to satisfactory performance and academic results.

Eligibility

Scholarships are available for local and international students seeking admission as a full-time candidate pursuing a PhD programme by research. Candidates should fulfill the following criteria:

- Bachelor's degree (Second Class Upper Honours or equivalent) from a recognised university
- Have a passion for interdisciplinary research
- Good GRE scores (for overseas applicants)

- Good TOEFL or IELTS scores (for applicants whose native language or medium of instruction is not in English)

Please visit the Interdisciplinary Graduate School [website](http://www.igs.ntu.edu.sg) (www.igs.ntu.edu.sg) for more details on the scholarship scheme.

Admission and Application

There are 2 intakes in August and January each year. The deadlines for applications are 31 March and 31 August, respectively.

Please apply via NTU's online portal at: <http://admissions.ntu.edu.sg/graduate/R-Programs/R-WhenYouApply/Pages/R-ApplyOnline.aspx>.

N.B.:

1. Under the section "Programme Code/Name", select "[186E] Doctor of Philosophy (IGS-Complexity)"
2. Under the section "Research Scholarship", please select "OTHERS" and indicate "IGS Scholarship".
3. Complete the application form and submit the necessary documents to Graduate Studies Office (GSO).