

**National University of Singapore
Higher Degree and/or Research Scholarship Application
Faculty of Engineering**

Instructions to Applicants

1. Application Materials

Application materials include the following:

- Application Form
- Transcript Request Form
- 2 Referee Report Forms

2. Eligibility

Thematic Ph.D. Programmes

Applicants who are applying for the Thematic research programme scholarships are expected to have at least a Bachelor's Degree with Honours (at least 2nd Class Upper) or its equivalent.

International candidates are expected to submit their TOEFL and GRE/GATE test scores to support their applications.

Candidate should have the ability to pursue research in the candidate's proposed field of advanced study.

3. Scholarships

(A) Thematic Research Programmes Scholarships

(i) Singapore International Graduate Award (SINGA)

Eligibility

- Open to all international students
- Graduates with a passion for research and excellent academic results
- Good skills in written and spoken English
- Good reports from academic referees

Coverage

- Full support for tuition fees for 4 years of PhD studies
- Attractive monthly stipend over 4 years of PhD studies, which can support you comfortably. The stipend amount is S\$ 24,000 annually to be increased to S\$30,000 annually after passing the PhD Qualifying Examinations.
- One-time Airfare Grant of S\$1,500 Return Airfare
- One-time S\$1,000 Settling-in Allowance

(ii) A*STAR Graduate Scholarship (AGS)

AGS (NUS) is a collaboration between A*STAR and NUS. Scholars register at NUS and undertake their research at an A*STAR Research Institute (RI) or the university. Scholars are given opportunities to travel abroad for conferences and overseas research attachments during their PhD studies. In addition, scholars who complete the 4-year PhD programme will be given the opportunity for a 2-year post-doctoral fellowship at a top overseas university or research laboratory.

Eligibility

- Singaporeans, Singaporean Permanent Residents and ASEAN Nationals.*
- Candidates must have at least 2nd Class (Upper) Honours and good 'A' Level (or equivalent) results.
- Candidates must satisfy criteria for PhD admission to NUS.
- Preference will be given to candidates with a strong interest in a research career.
- Awardees are expected to attain good GRE scores. For recent intakes, the average scores of successful awardees for the combined Verbal and Quantitative components were 1360 with a standard deviation of 90. A score of at least 4.5 for the Analytical Writing components is also expected.

* Successful candidates who are not Singaporeans are required to take up Singapore Citizenship.

4. How to complete the application forms

Application Form

Any omission of information required in the application forms or supporting documents will render the application void and should be avoided. Please complete the application form in English. All supporting documents, if not in English, must be accompanied by copies of the English translation of the documents.

Transcript Request Form

An official transcript of academic records is required from each university attended. You are responsible for requesting your transcript from the university concerned. Please use the Transcript Request form for this purpose. If you have attended more than one university, you should make photocopies of the transcript request form as required.

You should request your university to send the transcripts, enclosed in a **SEALED** envelope with its flap bearing the security seal of the university and the signature of the Registrar or his representative, directly to the department where you are applying to. In the meantime, a copy of the transcript is to be included in the application materials.

Referee Reports

Recommendations from 2 academic referees are to be submitted by using the attached Referee's Report forms. You should request your referees to return the forms in a **SEALED** envelope, with its opening bearing their signatures across it, to the department where you are applying to.

TOEFL and GRE/GATE Scoresheets

Applicants can either:

- (a) submit scoresheets certified by their Universities with an original stamp; or
- (b) request the NUS Department to certify their scoresheets if they are in Singapore; or
- (c) request Educational Testing Services (ETS) to send original TOEFL and GRE scores to NUS. (Scores should be sent to the Department in which the applicant is interested in pursuing his/her research. Institution code of NUS is 0677 for GRE and 9084 for TOEFL.

Graduates from Indian Universities may send either GRE or GATE scoresheets.

Applicants may be required at the discretion of the Department Head or Vice-Dean (Graduate Studies), Faculty of Engineering, to undergo such tests as may be set to assess their suitability for University study and to appear for interviews.

5. Where to send the forms

Please return the completed application forms and supporting documents to the

- 1) **Department of Electrical & Computer Engineering**
National University of Singapore
4 Engineering Drive 3, Block E4 #05-45
Singapore 117576

Please note that incomplete applications will not be processed.

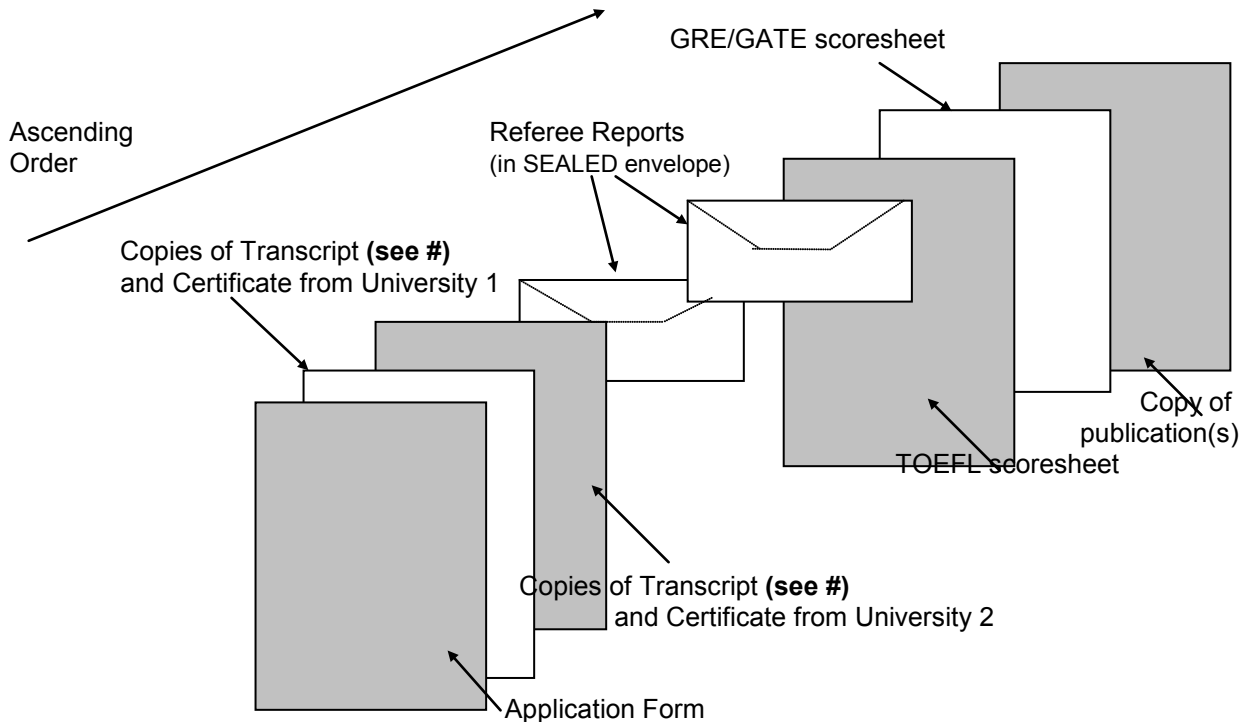
APPLICATION CHECKLIST

Please remember to include the following documents in your application:

For **each programme** that you are applying, you should enclose the following :
(Please tick against documents submitted).

- The completed application form
- Supporting documents (to be arranged in the following order)
 - Citizenship certificate
 - A copy of Bachelor's and/or Master's degree transcript/latest result slip & certificate (with English translation, if applicable)*
For transcript, please request your University/institution to send it directly to NUS in a SEALED envelope with its flap bearing the security seal and the signature of the Registrar or representative.
 - TOEFL and GRE/GATE scoresheets (if applicable)
- 2 Referee Reports (these reports should be sent to us in **SEALED** envelopes whose openings bear the referee's signature across it).
- Copy of publication(s) (if applicable)

Please help us to arrange your documents in the following order. Thank you.



NATIONAL UNIVERSITY of SINGAPORE
Graduate Studies Office, Faculty of Engineering

HIGHER DEGREE (Thematic Programme) APPLICATION
Doctor of Philosophy

Transcript Request Form

To the Applicant:

Kindly complete this section of the form and send it to the Registrar (or the relevant person-in-charge) of the University which you are requesting your transcript.

Applicants who are requesting for transcript from NUS itself, please submit your application online at <http://www.nus.edu.sg/registrar/adminpolicy/transcripts.html>. An application fee of \$5.00 (excl GST) is applicable. To have this form attached to the transcript, you can email this form to transcript@nus.edu.sg as an attachment or submit it at the Student Service Centre. Please indicate in the Remarks column in the Online request, the mode and date that you have submitted this Form.

Applicant's Name : _____ Date of birth : _____
Applicant's Tel : _____ Applicant's Email : _____
University : _____
Date of Enrolment : (from) _____ (to) _____
Date of Conferment : _____ Degree Conferred : _____
NUS Dept/Div applied to : Attn Head, Department / Division of _____ Engineering

To the Registrar/Person-in-charge

1. The person whose name appears above is applying for admission to our higher degree programme.
2. The application cannot be considered without an official transcript of academic records submitted by your University. This transcript must bear the stamp of your University and the name and signature of the Registrar or authorised person.
3. Subject to the rules governing your University, the transcript should include:
 - (a) Date of enrolment
 - (b) A list of all subjects taken (with dates), and the grades obtained for each subject.
 - (c) Title of degree awarded and date of conferment.
 - (d) Rank in class
 - (e) Interpretation or explanation of grades
4. If the transcript is in a language other than English, please provide an official English translation.
5.
 - 1) Please send the official transcript together with this form in a sealed envelope whose opening bear security seals used by the University to the : **Department of Electrical & Computer Engineering, National University of Singapore, 4 Engineering Drive 3, Block E4 #05-45, Singapore 117576**

The **closing date** for receipt of application is : **1 June 2013** (for January 2014 Intake)
1 December 2012 (for August 2013 Intake)

Electrical and Computer Engineering, Faculty of Engineering

**Application form for
Doctor of Philosophy – Thematic Programme**

This form may take you 20 minutes to complete.
Please complete the application form and return it to the **Department of Electrical and Computer Engineering** that you are applying to, complete with :

1. the relevant documents
2. one passport-size photograph

Name of Applicant: (As appear in Identity Card/Passport and underline Surname/Family Name)

Intake Applied	Degree Applied	Type of Programme	Source of Finance
<input type="checkbox"/> January 2014 <input type="checkbox"/> August 2013	Doctor of Philosophy (Ph.D.) – Thematic Programme <input type="checkbox"/> DSI-ECE on Embedded Systems & Data Center Technologies <input type="checkbox"/> IME-ECE on Power Semiconductors <input type="checkbox"/> A*STAR Experimental Power Grid Centre (EPGC)	<input type="checkbox"/> Full-time	<input type="checkbox"/> A*STAR AGS Scholarship# <input type="checkbox"/> A*STAR SINGA Scholarship# <input type="checkbox"/> NUS ECE Dept Scholarship*

Please indicate your choices with a tick (✓)

#Source of finance: refer to http://www.ece.nus.edu.sg/academic/graduate/theme_awards.html on the terms & conditions of the scholarships

*Source of finance: refer to <http://www.nus.edu.sg/admissions/graduate-studies/scholarships-nrs.php> on the terms and conditions of the scholarship

Completed application is to be submitted to the Department of Electrical and Computer Engineering. You are required to indicate on the application envelope **CLEARLY** the following address:

Attention: Thematic Programme (PhD)
Department of Electrical and Computer Engineering
Block E4, Level 5, Room 45
4 Engineering Drive 3
Singapore 117576
National University of Singapore

Application Deadline:
 ✓ 1 June 2013 (for January 2014 Intake)
 ✓ 1 December 2012 (for August 2013 Intake)

**National University of Singapore
Graduate Studies Office, Faculty of Engineering**

Application for Doctor of Philosophy – Thematic Programme

**Photograph
of
Applicant**

(1) PERSONAL PARTICULARS

Name (Write in BLOCK letters) Dr / Mr / Mrs / Mdm / Miss (Please <u>underline</u> Surname/Family Name)		Gender <input type="checkbox"/> Male <input type="checkbox"/> Female	Age (As at 31 Dec of this year)
Permanent Home Address		Telephone Number	
Mailing Address Address in Chinese characters (if applicable)		Telephone Number / Handphone Number	Fax Number (with area code) E-mail Address
Office Name & Address		Telephone Number	
Date of Birth (DD/MM/YY)	Place of Birth	Domicile (Country you live in permanently)	Ethnic Group
Marital Status	No. of Children	NRIC (for Singaporeans, PR or Malaysians only): Passport No. (if available) :	Date & Place of Issue

Type of NRIC

Singapore Pink Singapore Blue Malaysian Not Applicable

Citizenship (Please attach a copy of your citizenship status)

Singaporean Singapore Permanent Resident
 Malaysian Others (Please specify: _____)

(2) NATIONAL SERVICE (For Singaporeans Only)

Completed (ORD: _____) Currently Serving (Expected ORD: _____) Not Applicable
 Disrupted Exempted

(3) PARTICULARS OF NEXT-OF-KIN

Name	Relationship	Occupation
Permanent Address		Telephone Number

(4) ACADEMIC QUALIFICATIONS

Please attach **CERTIFIED COPIES** of university transcript(s) and certificate(s).

(A) University (Undergraduate and Postgraduate) [Inclusive of programmes that you are currently reading]

University Information	Degree awarded <small>(pls indicate if degree is pursued on a Full-Time or Part-Time basis)</small>	Class/ Rank	#Overall Wt.Ave Grade & / Mark / GPA
University : Campus location : Period spent at campus (mm/yy): 1. _____ From _____ to _____ 2. _____ From _____ to _____	Degree: _____ Year conferred/expected grad : _____ (year) <input type="checkbox"/> Full-Time <input type="checkbox"/> Part-Time		
University : Campus location : Period spent at campus (mm/yy): 1. _____ From _____ to _____ 2. _____ From _____ to _____	Degree: _____ Year conferred/expected grad : _____ (year) <input type="checkbox"/> Full-Time <input type="checkbox"/> Part-Time		

(B) Membership of Professional Organizations (Please attach documentary evidence)

From	To	Organization	Post Held	Membership Status

(C) Scholarships, prizes or other awards received

(Please list in chronological order and enclose documentary evidence).

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(5) LANGUAGES (Please state levels of proficiency - excellent, good, fair)

Spoken and Written	Spoken Only	Writing Only
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(6) TOEFL AND GRE/GATE SCORES

Applicants may:
 (i) request ETS to send original scoresheets to respective Departments of NUS [Institution code: 0677(GRE), 90 84 (TOEFL)] or
 (ii) submit scoresheets certified by their universities with an original stamp or
 (iii) request NUS Department to certify their scoresheets if they are in Singapore.

TOEFL Scores	GRE Scores	GATE Scores
Total Score : _____	Total Score : _____	Total Score : _____
Date of Test : _____	Verb: ____ Quant: ____ Analy: ____ Verb: ____% Quant: ____% Analy: ____% (% below) Date of Test : _____	Date of Test : _____

Applicants with marks reflected in result slip/transcript are to calculate the overall weighted average (wt.ave), i.e. total marks divided by total number of subjects taken (technical subjects plus English only).
 For transcript with marks and grades, please compute ave. wt. marks and ave grades for all semesters.
 For transcript with grades only, please compute average grades for all semesters.

(7) RESEARCH EXPERIENCE/PAPERS PUBLISHED

If you have any publications, please list them below and enclose a copy of each publication. Please refer to the format of **Listing of Publications** in the Application Booklet when completing this form.

- (A) International Refereed Journals

- (B) Others (National journals, papers etc)

(8) PROPOSED RESEARCH

(A) Proposed Research Area/Topic *(You may indicate one or more broad area of research interest, in order of preference).*

Please indicate name of Research Institute/Centre (if applicable):

(B) Significance & Aims of Project
(This is optional. If you do not have something specific in mind, you may leave this portion out. Use a separate sheet for this).

(C) Proposed Supervisor(s)
(Please fill this if you have someone in mind or have corresponded with him/her. Otherwise, a suitable supervisor will be chosen for you. This could also include staff from Research Institute/Centre [where applicable]. Please note that there is no guarantee that the proposed supervisor will be the assigned supervisor).

(9) REFEREES

Name two academic referees who are familiar with your academic achievements. Please use the attached referee's report forms to request their recommendations. The University may write to your academic referees for further information.

Referee 1		Referee 2	
Name		Name	
Designation		Designation	
Telephone (Mobile preferred)		Telephone (Mobile preferred)	
Address		Address	
Email address		Email address	

(10) WORK EXPERIENCE

(A) Previous Occupation(s) *(Please list jobs held during last 5 years. If necessary, please use separate sheet.)*

From	To	Name & Location of Firm/Organization	Title/Position Nature of Work	Reasons for Leaving

(B) Present Occupation (Please state if currently unemployed)

Date of Joining	Name & Location of Firm/Organization	Title/Position	Employment Sector <small>(Public/Statutory/Private/Self-employed)</small>

Current/Last drawn Gross Salary: S\$ _____ / month

If currently employed, please indicate how you propose to pursue your graduate studies here as a full-time student if admitted.

Apply for study leave

 Resign from job
 Obtain financial support from Employer/other funding body

 Others Please specify: _____

(11) OTHER INFORMATION

(A) Have you previously applied/are applying for admission to any postgraduate programme(s) at NUS?

Yes (Please give details of all previous applications below. If necessary, please use separate sheet)

 No

(i) Programme(s) applied for : _____ Year of application : _____

Outcome of Application : Successful (please give details below) Rejected

Date of enrolment : From _____ To _____

Current Status : Graduated Withdrawn Failed Current Student

(B) Please indicate whether you will be pursuing any other programmes at this University or other universities/institutions should you be successful in gaining admission to this University.

Yes (Please give details below)

 No

Name of programme and University/institution* : _____

Admission date : _____ Expected graduation date : _____

(C) Please indicate whether you will be receiving other scholarship, fellowship or award or salary if you are successful in gaining admission to this University.

Yes (Please give details below)

 No

Name of scholarship/fellowship/award/company* : _____

Period of award : _____ Length of bond (if any) : _____

(D) Should your application for Thematic Programme be unsuccessful, do you wish to be considered for:

(i) The NUS Research Scholarship?

Yes

No

#Details are available at: <http://www.nus.edu.sg/admissions/graduate-studies/scholarships-nrs.php>

(i) The Graduate Student Tutor (Scheme B)# where students are engage in departmental work and are paid on a monthly basis?

Yes

No

#Details are available at: <http://www.nus.edu.sg/admissions/graduate-studies/partime.php> Appointment is renewable 6-monthly subject to satisfactory performance (coursework, research and work assigned by Department)

(ii) Admission as a self-financing candidate?

Yes (Kindly attach evidence of financial support)

No

(E) Were you receiving any of the following scholarships during your undergraduate study?
(e.g. NUS/NTU/SMU undergraduates only)

SEMBCORP Industries Undergraduate Scholarship

SIA-NOL Undergraduate Scholarship

Undergraduate Scholarship for PRC Students

Undergraduate Scholarship for Hong Kong Students

Length of Bond (if any): _____

Please note that you must submit documentary evidence which grants approval of your intention to pursue Graduate programme at NUS before you can be allowed to register for your candidature should you be successful in your application.

(F) For self-financing applicants, please indicate how you intend to finance your studies (i.e to cover all the relevant fees for the minimum period of candidature, in addition to living expenses) if you are successful in your application. Please enclose documentary evidence, e.g. a letter from sponsor, bank statement, a copy of appointment letter or recent payslip etc.)

Company sponsorship

Others (please specify)

Self-support (for NUS staff, please indicate, staff No.: _____ Department: _____)

(G) Disabilities and Special Needs

Have you had or do you have any disabilities (including but not limited to chronic illnesses, communicable diseases, mental illness, colour blindness, visual or other physical constraints or limitations) which may cause you to require special assistance or facilities while studying at the University?

Yes

No

If yes, please provide all relevant information on a separate sheet of paper (and attach the relevant medical documents).

Note: This information will enable the University to develop a complete profile of an applicant and to determine whether he/she might need additional resources in his/her studies. **The University, however, does not guarantee the provision of special aid (financial or otherwise) to any students.**

(H)

i) Have you ever been convicted of any offence by a court of law in any country or are there any court proceedings pending against you anywhere in respect of any offence? Yes No

ii) Are you currently, or have you ever been, charged with or subject to disciplinary action for any type of misconduct, scholastic or otherwise, at any educational institution? Yes No

iii) Are you currently, or have you ever been, under investigation or subject to enquiry in respect of any misconduct, scholastic or otherwise, at any educational institution? Yes No

iv) If your answer to any or all of the above questions is yes, please provide a full statement of relevant information on a separate sheet of paper (and attach the relevant documents). Yes No

(12) DECLARATION

I hereby declare that all information provided by me in connection with this application is true, accurate and complete. I understand that any inaccurate, incomplete or false information given or any omission of information required shall render this application invalid and NUS may at its discretion withdraw any offer of acceptance made to me on the basis of such information or, if already admitted, I may be liable to disciplinary action, which may result in my expulsion from NUS. And I hereby authorize NUS to obtain and verify any part of the information given by me from or with any source, as it deems appropriate.

Signature : _____

Date : _____

* (please delete accordingly)

National University of Singapore
Graduate Studies Office, Faculty of Engineering

Higher Degree (Thematic Programme) Application
Doctor of Philosophy

Academic Referee's Report

To be completed by applicant:

Kindly fill up the portion below and pass a copy of this form to each of your two referees.

Name of applicant : _____

Degree applied for : _____

Department applied to : _____

To be completed by referee

The above-named person is applying to undertake research leading to a graduate degree. The University would appreciate receiving a confidential report from you on the applicant. You may write your report on the reverse side of this form. Please use a separate sheet if necessary.

1. How long have you known the applicant and in what capacity?

2. Among the students at a similar level you have known in recent years, how would you rate the applicant? (Please tick [√] the appropriate box).

The following is based on undergraduate student whom I know

graduate student whom I know

- | | | | |
|------------------------------|-----------------------|------------------------------|-----------------------|
| (a) <input type="checkbox"/> | Within the top 5% | (d) <input type="checkbox"/> | Within the top 25-50% |
| (b) <input type="checkbox"/> | Within the top 5-10% | (e) <input type="checkbox"/> | Within the bottom 50% |
| (c) <input type="checkbox"/> | Within the top 10-25% | (f) <input type="checkbox"/> | Unable to judge |

3. How would you rate the applicant's proficiency in English - in reading and writing and in spoken English (i.e. excellent, good, fair)?

4. Personal report on applicant:

Signature : _____ Date: _____

Name of referee: _____

Designation : _____

Address : _____

Telephone : _____

*(**IMPORTANT** : Please provide contactable number, mobile preferred)

Email Address : _____

Please return this form to the **applicant** in a **sealed** envelope whose opening bears your signature across it.