



**National Graduate School of Engineering**  
**College of Engineering**  
**UNIVERSITY OF THE PHILIPPINES**  
**Diliman, Quezon City 1101 Philippines**

*Staple three pieces of  
 passport-sized  
 photographs here*

## APPLICATION FORM

### NATIONAL GRADUATE SCHOOL OF ENGINEERING (NGSE) ADMISSION ENGINEERING RESEARCH AND DEVELOPMENT FOR TECHNOLOGY (ERDT) SCHOLARSHIP

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**LAST NAME**

**GIVEN NAME**

**MIDDLE / MAIDEN NAME**

#### INSTRUCTIONS

1. Accomplish properly **Form GPC-02**.
2. Pay a non-refundable application fee of PHP 100.00 for resident applicants at the Cashier's Office. Non-resident applicants may send a check for USD 20.00 made payable to the "University of the Philippines" together with the application documents.
3. Request three (3) former professors or technical experts acting as your supervisor as references to accomplish **Form GPC-03**. Each accomplished form should be enclosed in a sealed envelope, with a signature across the seal. Accomplished forms may be returned to the applicant or may be sent directly to the NGSE Office.
4. Submit all the accomplished forms together with the following requirements:
  - One (1) official copy and two (2) photocopies of Transcript of Records bearing the school seal and the registrar's signature
  - Application fee receipt
  - Three (3) accomplished recommendation forms
  - Three (3) recent passport size pictures
  - Original and one (1) photocopy of NSO Birth Certificate

To the National School of Engineering Office:

NGSE Office, College of Engineering

Rm. 119 Melchor Hall, Osmeña Avenue

University of the Philippines, Diliman

Quezon City 1101 PHILIPPINES

5. Wait for the final decision on your application which will be communicated to you by email and/or phone.

#### Qualifications for ERDT Scholarship

1. Must be a Filipino citizen not over 45 years of age at the time the student is admitted to the ERDT Scholarship Program
2. Must have a BS degree in engineering or related field (for MS applicants)
3. Must have a MS degree in engineering or related field (for PhD applicants)\*
4. Must be in good health condition
5. Must NOT have a criminal or administrative case

*The successful applicant:*

6. Must be enrolled as a full-time graduate student
7. Must enter into a scholarship contract and fulfill its terms
8. Must be willing to render the required service obligation (in the Philippines) equivalent to the length of time that the scholar enjoyed the scholarship – one year of service for every year of scholarship or a fraction thereof
9. Must have a full-time commitment to the scholarship and must not be engaged in any form of employment (paid work) during the scholarship.

Additional requirements for ERDT Scholarship application:

Three (3) narrative essays (Research and career plans)

Valid NBI clearance

If employed, certification from the employer or head of agency that applicant is permitted to take a leave of absence while on Scholarship or an intent letter if you intend to resign once accepted in the scholarship program. Once accepted, you will be required to submit a copy of your official approved study leave or a copy of your approved resignation or clearance from the company.

FORM GPC-02

**For National Graduate School of Engineering Office Use Only**  
(To the applicant: Do not fill this portion)

Date of Submission \_\_\_\_\_  
Received by \_\_\_\_\_

O.R. Number \_\_\_\_\_

	SCHOOL	AVERAGE
BS		
MS		

**For Department/Institute/Program Admission Committee Use Only**  
(To the applicant: Do not fill this portion)

Name of Applicant:

The Department/Institute/Program Admission Committee recommends that the applicant be

admitted as a graduate degree student with ERDT Scholarship

admitted as a graduate degree student only (without ERDT Scholarship)

admitted as a non-degree student (probationary admission without ERDT Scholarship) subject to the following condition(s):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

refused admission

\_\_\_\_\_  
Department Chairman / Institute Director / Program Coordinator  
Printed Name & Signature

\_\_\_\_\_  
Date

**I. PROGRAM OF STUDY**

1.a. Degree Program. Choose only one degree and one graduate program.

- Master of Science     CE     ChE     CS     EE     EgyE     EnE     GmE     IE     ME     MetE     MSE  
 Doctor of Philosophy     CE     ChE     CS     EE     EgyE     EnE  
 Master of Engineering     EE (for EE program only)  
 Straight Ph.D.     ChE     EEE     EnE     MSE

1.b. Choice of Research Field. Answer only for the degree program you have chosen above.

Rank your first 3 choices by writing numbers 1 to 3 in the boxes (1 being the highest priority)

**CIVIL ENGINEERING (CE)**

- Geotechnical                       Structural                       Transportation                       Water Resources

**CHEMICAL ENGINEERING (ChE)**

- Biological Engineering                       Environmental Engineering                       Fuel Energy & Thermal Systems                       Materials & Catalysts                       Process Systems Engineering

**COMPUTER SCIENCE (CS)**

- Algorithms & Complexity                       Computer Security                       Computer Vision & Machine Intelligence                       Network & Distributed Systems  
 Scientific Computing                       Software Engineering & Service Sciences                       Web Science

**ELECTRICAL ENGINEERING (EE)**

- Computers & Communications                       Instrumentation & Control                       Microelectronics                       Power Systems

**ENERGY ENGINEERING (EgyE)**

- Renewable Energy                       Energy Storage                       Biofuels                       Resource Assessment  
 Energy Planning                       Energy Modeling                       Waste-to-Energy                       Others:

**ENVIRONMENTAL ENGINEERING (EnE)**

- Air Quality Management                       Environmental Management                       Geoenvironmental Engineering  
 Solid & Hazardous Waste Management                       Water Quality Management

**GEOMATICS ENGINEERING (GmE)**

- Applied Geodesy                       Geoinformatics                       Remote Sensing & Photogrammetry

**INDUSTRIAL ENGINEERING (IE)**

- Production Systems                       Human Factors & Ergonomics                       Operations Research                       Information Systems

**MATERIALS SCIENCE & ENGINEERING (MSE)<sup>a</sup>**

- Metals and Alloys                       Ceramic Materials                       Polymeric Materials                       Composite Materials  
 Semiconductor Materials                       Biomaterials                       Nanomaterials                       Materials for Energy  
 Green & Environmental Materials                       High-Value Adding of Local Materials                       Materials Forensics (e.g. Corrosion Engineering and Failure Analysis)

**MECHANICAL ENGINEERING (ME)**

- Automation, Control & Robotics                       Biomechanics                       Computational Mechanics                       Fluids Engineering  
 Heating, Ventilation, Air Conditioning & Refrigeration                       Machine Design                       Power                       Vehicle Engineering

**METALLURGICAL ENGINEERING (MetE)**

- Minerals Processing                       Metal Extraction                       Physical Metallurgy                       Ultrafine Processing

1.c. Intended start of program study     First Semester     Second Semester    AY  - 1.d. Are you applying for another scholarship/grant?     Yes     NoIf yes, what is the name of the scholarship program which you are applying for? 

1.e. Indicate the name of the potential adviser (list provided in the brochure or the UP COE website)

<sup>a</sup> Joint program with the College of Science.

**II. PERSONAL INFORMATION** Kindly write in BLOCK LETTERS

2.a. Last Name   Male  Female Age

Given Name  Birth Date (MM/DD/YY)

Middle Name  Birth Place

Maiden Name for married female applicants

Country of Origin  Civil Status

Citizenship

2.b. Complete Current Address

No P.O. Box Street, Village, Town, Province

Zip Code  Region  Country

Complete Permanent Address

Street, Village, Town, Province

Zip Code  Region  Country

2.c. Contact Number/s

E-mail Address

2.d. Father's Name

Mother's Name

Write the Maiden NAME.

2.e. Emergency Contact Person

Complete Name

Complete Address

Relationship

Contact Number

**III. EMPLOYMENT INFORMATION**

3.a. Current Employment Status  Self-Employed  Employed Full-Time  Employed Part-Time  Unemployed

3.b. Currently Employed Applicants (Full-Time/Part-Time)

Position  Length of Service

Company Name  Telephone Number

Office Address  Fax Number

E-mail Address  Company Website

3.c. Self-Employed Applicants

Business Name

Business Address

E-mail/Website  Telephone Number

Type of Business  Years of Operation

3.d. Employment History

Period (MM/YYYY)		Full-Time (F) or Part-Time (P)	Name of Employer	Title/Position
From	To			

**IV. ACADEMIC BACKGROUND**

4.a. SECONDARY EDUCATION<sup>b</sup>

Last High School Attended \_\_\_\_\_ Date Started  /

School Name  Date Graduated  /

School Address

4.b. TERTIARY EDUCATION<sup>b</sup>

Name of Institution	Location	Degree Received	Enrollment (MM/YYYY)	
			From	Until

4.c. POST-GRADUATE STUDIES<sup>b,c</sup>

Name of Institution	Location	Degree Received	Enrollment (MM/YYYY)	
			From	Until

4.d. SCHOLASTIC HONORS & AWARDS RECEIVED

Title	Awarding Institution	Date Received

4.e. RECENT SCIENTIFIC PUBLICATIONS<sup>d</sup>

Title of Paper	Title of Publication	Date Published

4.f. RECENT SCIENTIFIC CONFERENCE PRESENTATIONS<sup>d</sup>

Title of Paper	Name of Conference	Date Presented

4.g. OTHER QUALIFICATIONS<sup>e</sup>


<sup>b</sup> Verified copies of academic documents must be attached to this application. Filipino or English translations are STRICTLY required.  
<sup>c</sup> All postgraduate studies taken, up to obtaining a master's degree.  
<sup>d</sup> Done within the last FIVE YEARS.  
<sup>e</sup> Membership to professional organizations, eligibilities/certificates, professional licenses, etc.

**V. PROGRAMMING PROFICIENCY**

Required for MS & PhD CS applicants; optional/additional qualification for the others.

List the programming languages (e.g. C, C++, Java) you are proficient in & the projects/applications completed using these languages.

Programming Language	Level of Proficiency (1 lowest, 5 highest)				
	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Programming Language	Level of Proficiency (1 lowest, 5 highest)				
	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Projects/Application

Title/Name of Projects/Application	Programming Language(s) Used

**VI. ADMISSION ESSAY**

Write an essay on a separate sheet of paper about the following:

For CS	Discuss in at least 300 to a maximum of 500 words about yourself, your qualifications relevant to your application to the graduate program, and your future plans with respect to your chosen plan of study.
For EE	Discuss details of your other qualifications (e.g. membership in professional bodies, certificates, scholastic honors received) that are relevant to your application to the graduate program, past or ongoing research & development work/experience, research areas of interest, and reasons for applying for the graduate program. You may also indicate professors and/or research laboratories in the department whose work you are interested in joining. If you plan to be a part-time student, discuss the relationship of your planned graduate studies to your present employment and the support, if any, of your present employer for your planned graduate studies.
For EgyE	<i>For MS:</i> In at least 200 words, discuss why you would like to take MS EgyE. <i>For PhD:</i> In at least 400 words, discuss why you would like to take PhD EgyE and what area of interest you would like to pursue.
For EnE	<i>For MS:</i> In at least 200 words, discuss why you would like to take MS EnE. <i>For PhD:</i> In at least 400 words, discuss why you would like to take PhD EnE and what area of interest you would like to pursue.

**VII. RESEARCH & CAREER PLANS**

Write on a separate paper (minimum of 300 words and maximum of 1000 words) the following:

Essay 1	A description of the current work or project or undergraduate research that have been done (for those who have just graduated from BS degree) or graduate research that have been done (for those applying for the doctoral program).
Essay 2	Future plans after graduation from the applied graduate program.
Essay 3	Intended research work to be done while in the graduate program. This research proposal should include the following components: problem statement, significance of the research, brief literature review, outlined methodology, and Gantt chart. Note that Year 1 is usually devoted to doing course work; make a research timeline for one (1) year for the master's degree and two (2) years for doctoral degree of study.

**VIII. REFERENCES**

Name	Company of Affiliation & Address	Telephone Number

**IX. APPLICANT'S DECLARATION**

I declare that the information supplied in this application and the documentation supporting it are true and complete. I acknowledge that the provision of incorrect information or documentation relating to my application may result in cancellation of admission or enrolment. If admitted to the National Graduate School of Engineering and to the ERDT Scholarship Program, I solemnly agree to abide by the rules and regulations of ERDT Scholarship Program, the College of Engineering and the University of the Philippines.

\_\_\_\_\_  
Signature Over Printed Name

\_\_\_\_\_  
Date

**X. ERDT Scholarship Survey**

How did you know about ERDT scholarship?

University/campus roadshow

Friend

ERDT scholar

Others (please specify)

For any inquiries, please contact the following offices:

NGSE Office: +632-981-8500 local 3105 or 3106  
(Fax) +632-926-0723

ERDT Office: +632-981-8500 local 3160  
(Telefax): +632-434-0304



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## LETTER OF RECOMMENDATION

**NATIONAL GRADUATE SCHOOL OF ENGINEERING (NGSE) ADMISSION  
 ENGINEERING RESEARCH AND DEVELOPMENT FOR TECHNOLOGY (ERDT) SCHOLARSHIP**

### APPLICANT'S INFORMATION

To be filled out by the applicant

Last Name			
Given Name			
Middle Name		Maiden Name for married female applicants	
Address			
	Postal Code		Country
Degree Applied For			

**Note to the Applicant:** Ask the recommender to enclose this Form GPC-03 in a sealed envelope, with his/her signature written across the seal. The envelope must be submitted with its seal unbroken together with the rest of your application materials to the National Graduate School of Engineering Office, Rm. 119, College of Engineering, U.P. Diliman.

### APPLICANT'S EVALUATION

To be filled out by the recommender

**Note to the Recommender:** Any pertinent information regarding the applicant and your evaluation of the applicant's ability to undertake graduate studies and research will be held in strict confidence.

How long have you known the applicant?

In what capacity have you known the applicant?

If the applicant was a student in some of your classes, what were these subjects?

What do you consider as the applicant's outstanding talents or strengths in relation to graduate study?



What do you consider as his/her weakness or deficiencies in relation to graduate study?

Please rate the applicant on the following characteristics in comparison with other students in the same disciplines who are known to you and who have had more or less the same amount of training and experience. Indicate size of the group with which applicant is being compared and its educational level.

Group Size  Educational Level

	Excellent	Above Average	Average	Below Average	No Basis
1. Intellectual ability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Academic preparation for proposed field of study	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Motivation for proposed field of study	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Originally, creativity & imagination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Analytical & problem-solving ability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Initiative and independence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Honesty & integrity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Conscientiousness & ability to work independently	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Ability to work with others	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Oral communication skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Written communication skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Emotional maturity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Potential as a researcher in the discipline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Potential as a teacher in the discipline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional information and comments about the applicants (please use a separate sheet of paper, if necessary).

I therefore  strongly recommend  recommend  recommend with reservations  do not recommend the applicant for admission to the National Graduate School of Engineering in UP Diliman.

Signature Over Printed Name

Date

**RECOMMENDER'S INFORMATION**

Title  Engr./Dr./Prof.

Given Name

Middle Initial

Last Name

Affiliated Organization

Position in Organization

Address of Organization

Highest Educational Attainment