



De La Salle University

Doctor of Philosophy in Computer Science (PhDCS)

The Doctor of Philosophy in Computer Science degree offered by the College of Computer Studies of De La Salle University is designed to develop scientists capable of conducting independent research in Computer Science. Courses are organized depending on the research interest of each student so as to provide him with a deeper knowledge of Computer Science as well as ample preparation for scientific research in his chosen field of specialization. As part of a sandwich program, a PhD candidate is encouraged to spend three (3) to twelve (12) months of dissertation research at a host university in a foreign country to provide him with opportunities to discuss research works with international experts.

Admission Requirements

The basic requirements for qualification into the program are:

- an MS degree in Computer Science with a research-based thesis
- a GPA of at least 80% or equivalent in the MS course;
- at least three (3) years of teaching and/or research experience in computer science or a related field; and
- for foreign applicants from non-English speaking countries, a TOEFL score of at least 550.

Admission to the program shall be upon the approval of the Graduate Studies Committee. The Graduate Studies Committee shall have the option of scheduling a formal interview with the applicant where, at the discretion of the committee, the applicant may be asked to present his research-based Master's thesis or a research-based paper published in a national or international refereed CS conference. This presentation may be used by the committee to determine the capability of the applicant to do scientific research.

Degree Requirements

The PhD degree in Computer Science is obtained primarily through supervised research. It is awarded upon fulfillment of the following requirements:

- completion of all academic courses;
- submission of a doctoral dissertation based on an independent, original research;
- successful defense of the doctoral dissertation;
- publication of a full paper on the dissertation research in a reputable refereed international scientific journal with the PhD candidate as first author; and
- fulfillment of residency and other university requirements.

Academic Requirements

A student who is admitted to the PhD program must first satisfy course requirements beyond the level of a Master of Science in Computer Science.

For applicants with a degree of **Master of Science in Computer Science with a research-based thesis**:

Specialization Courses	18 units
Doctoral Dissertation	12 units
Total	30 units

For applicants with a degree of **Master of Science in Computer Science or Masters in Computer Science without a research-based thesis**, the following are the remedial academic requirements before entering into the PhD program proper:

MSCS Electives	6 units
MS Methods of Research	3 units
Research-based paper published in a national or international refereed CS conference	

For applicants with a degree of **Master of Science in Information Technology, or BSCS with a non-MSCS degree, or non-BSCS and non-MSCS degree but with IT experience**, the following are the remedial academic requirements before entering into the PhD program proper:

MSCS Foundation Courses	15 units
MSCS Electives	6 units
MS Methods of Research	3 units
Research-based paper published in a national or international refereed CS conference	

Doctoral Dissertation

The doctoral dissertation is a manuscript conforming to the highest standards of originality, accuracy, significance, methodology and correctness of style describing original dissertation research conducted by the PhD candidate under the close supervision of the Thesis Adviser. This shall be supported by at least one (1) full paper published in a reputable refereed international scientific journal, or at least two (2) full papers published in a reputable refereed international conference.

Research at Foreign Host Institutions

The PhD candidate shall spend a period of three to twelve months of dissertation research at a reputable foreign university. Prior to departure, a detailed project plan has to be drawn and approved by the CCS Graduate Studies Coordinator. A PhD candidate may do research at a host university only after successfully defending the Dissertation Proposal.