Faculty of Engineering

Doctor of Engineering Program in Electrical and Information Engineering Technology

This program aims at producing Ph.D. graduates with knowledge, ability and skills in conducting advanced action research work to invent new bodies of knowledge and innovations. They are expected to be able to apply ideas in researching, designing and analyzing to create innovative solutions and apply advanced technology in electrical and information engineering to develop prototype research in both hardware and/or software. In addition, graduates must always be able to learn by themselves and they should keep up with ongoing technological changes and be able to work in international industries.

Applicant Qualifications

1. A candidate must hold a master's degree in electrical engineering, electronics engineering, communication engineering, control system engineering or information engineering or the equivalent or
2. A candidate must hold a master's degree in related fields with work experience in electrical engineering, electronics engineering, communication engineering, control system engineering or information engineering or
3. A candidate must hold a bachelor's degree with first-class honors in electrical engineering, electronics engineering, communication engineering, control system engineering or information engineering with a GPA of not less than 3.50 or if the GPA is less than 3.50, there must have been research and development in electrical engineering, electronics engineering, communication engineering, control system engineering or information engineering with the approval of program committee to study in the program.

Professions after Graduation

1. Electrical engineer, electronic engineer, communication engineer, control system engineer and information engineer with the ability to develop hardware and/or software innovations and high-level prototype research
2. Researcher in electrical engineering, electronics engineering, communication engineering, control system engineering and information engineering with the ability to innovate hardware and/or software and do high level prototype research
3. Lecturer and academic in electrical engineering, electronics engineering, communication engineering, control system engineering and information engineering

Curriculum

Plan 1.1 for student with Master degree	48 Credits
Plan 2.1 for student with Master degree	48 Credits
Plan 2.2 for student with Bachelor degree	72 Credits

Faculty of Engineering

Doctor of Engineering Program in Electrical and Information Engineering Technology

Curriculum Components

Plan 1.1 for student with Master degree

- Dissertation 48 Credits

Plan.2 1 for student with Master degree

- Major Course 9 Credits
- Elective Course 3 Credits
- Dissertation 36 Credits

Plan 2.2 for student with Bachelor degree

- Major Course 9 Credits
- Elective Course 15 Credits
- Dissertation 48 Credits

COURSE STRUCTURE

Plan 1.1 for student with Master degree

First Year

First Semester	**Credits**
EIE 603 Research Methodology and Technical Research Writing	3 (2-1-9) (S/U)
EIE 608 Entrepreneurship and Innovation in Electrical and Information Engineering Technology	3 (3-0-9) (S/U)
EIE 703 Dissertation	6 (0-12-24)
Total	6 (5-14-42)

Second Semester	**Credits**
EIE 609 Inference and Information	3 (3-0-9) (S/U)
EIE 703 Dissertation	9 (0-18-36)
Total	9 (3-18-45)

Second Year

First Semester	**Credits**
EIE 703 Dissertation	9 (0-18-36)
Total	9 (0-18-36)

Second Semester	**Credits**
EIE 703 Dissertation	9 (0-18-36)
Total	9 (0-18-36)

Doctor of Engineering Program in Electrical and Information Engineering Technology

Third Year

First Semester	Credits
EIE 703 Dissertation	9 (0-18-36)
Total	9 (0-18-36)

Second Semester	Credits
EIE 703 Dissertation	6 (0-12-24)
Total	6 (0-12-24)

Plan 2.1 for student with Master Degree

First Year

First Semester	Credits
EIE 603 Research Methodology and Technical Research Writing	3 (2-1-9) (S/U)
EIE 608 Entrepreneurship and Innovation in Electrical and Information Engineering Technology	3 (3-0-9) (S/U)
Total	6 (5-2-18)

Second Semester	Credits
EIE 609 Inference and Information	3 (3-0-9)
EIE xxx Electives I	3 (3-0-9)
EIE 704 Dissertation	3 (0-6-12)
Total	9 (6-6-30)

Second Year

First Semester	Credits
EIE 704 Dissertation	9 (0-18-36)
Total	9 (0-18-36)

Second Semester	Credits
EIE 704 Dissertation	9 (0-18-36)
Total	9 (0-18-36)

Third Year

First Semester	Credits
EIE 704 Dissertation	9 (0-18-36)
Total	9 (0-18-36)

Second Semester	Credits
EIE 704 Dissertation	6 (0-12-24)
Total	6 (0-12-24)

Faculty of Engineering

Doctor of Engineering Program in Electrical and Information Engineering Technology

Plan 2.2 for student with Bachelor degree

First Year

First Semester	**Credits**
EIE 603 Research Methodology and Technical Research Writing	3 (2-1-9) (S/U)
EIE 608 Entrepreneurship and Innovation in Electrical and Information Engineering Technology	3 (3-0-9) (S/U)
EIE xxx Electives I	3 (3-0-9)
Total	9 (8-2-27)

Second Semester	**Credits**
EIE 609 Inference and Information	3 (3-0-9)
EIE xxx Electives II	3 (3-0-9)
EIE xxx Electives III	3 (3-0-9)
Total	9 (9-0-27)

Second Year

First Semester	**Credits**
EIE xxx Electives III	3 (3-0-9)
EIE xxx Electives V	3 (3-0-9)
Total	6 (6-0-18)

Second Semester	**Credits**
EIE 705 Dissertation	3 (0-6-12)
Total	3 (0-6-12)

Third Year

First Semester	**Credits**
EIE 705 Dissertation	6 (0-12-24)
Total	6 (0-12-24)

Second Semester	**Credits**
EIE 705 Dissertation	6 (0-12-24)
Total	6 (0-12-24)

Forth Year

First Semester	**Credits**
EIE 705 Dissertation	9 (0-18-36)
Total	9 (0-18-36)

Faculty of Engineering

Doctor of Engineering Program in Electrical and Information Engineering Technology

Second Semester	Credits
EIE 705 Dissertation	9 (0-18-36)
Total	9 (0-18-36)

Fifth Year

First Semester	Credits
EIE 705 Dissertation	9 (0-18-36)
Total	9 (0-18-36)
Second Semester	**Credits**
EIE 705 Dissertation	6 (0-12-24)
Total	6 (0-12-24)