

The multidisciplinary curriculum is designed to produce high-level researchers to meet international standards in the country with cooperation with foreign educational and research institutions by bringing graduates in engineering or graduates in related fields to enhance the ability to have basic knowledge in food science and technology. On the other hand, for graduates with a master's degree in food science and technology or related fields, the program would provide adequate engineering knowledge to be able to conduct high efficiency research and development in food and agricultural engineering. They would be an important force in developing these industries of the country to have higher competitiveness.

Applicant Qualifications

1. A candidate must hold a master's degree in food engineering, mechanical engineering, agricultural engineering, chemical engineering, production engineering, or a master's degree in science and/or food technology, agricultural industry or other equivalent branches with a GPA of not less than 3.5 or
2. A candidate must hold a bachelor's degree with honors in the same field of study as stated in item no. 1 or
3. A candidate must hold a bachelor's degree or a master's degree in the same field of study as stated in item no. 1 with working experience in the industrial sector or has research or development experiences in food or related fields of not less than 2 years.

Professions after Graduation

1. Food Engineer
2. Research engineer in the food industry
3. Food production process engineer
4. Sales Engineer
5. Lecturer, researcher in both the public and private sectors
6. Entrepreneur in food industry

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

Curriculum Components

Plan 1.1 for student with Master degree		
● Dissertation	48	Credits
Plan.2 1 for student with Master degree		
● Compulsory	6	Credits
● Elective Course	6	Credits

- Dissertation 36 Credits

Plan 2.2 for student with Bachelor degree

- Compulsory 6 Credits
- Prescribed Elective 6 Credits
- Elective Course 12 Credits
- Dissertation 48 Credits

COURSE STRUCTURE

Plan 1.1 for student with Master degree

First Year

First Semester Credits

FDE 792 Dissertation 6 (0-12-24)

Total 6(0-12-24)

Second Semester Credits

FDE 792 Dissertation 9 (0-18-36)

Total 9 (0-18-36)

Second Year

First Semester Credits

FDE 792 Dissertation 9 (0-18-36)

Total 9 (0-18-36)

Second Semester Credits

FDE 792 Dissertation 9 (0-18-36)

Total 9 (0-18-36)

Third Year

First Semester Credits

FDE 792 Dissertation 9 (0-18-36)

Total 9 (0-18-36)

Second Semester Credits

FDE 792 Dissertation 6 (0-12-24)

Total 6 (0-12-24)

Faculty of Engineering

Doctor of Engineering Program in Food Engineering

Plan 2.1 for student with Master Degree

First Year

First Semester	Credits
FDE XXX Prescribed Elective	3 (3 -0 - 9)
FDE XXX Prescribed Elective	3 (3 -0 - 9)
Total	6 (6-0-18)
Second Semester	Credits
FDE 601 Planning and Analysis of Experiments	3 (3-0-9)
FDE 618 Transport Phenomena in Food Processing	3 (3-0-9)
FDE 791 Dissertation	3 (0-6 - 12)
Total	9 (0-6-30)

Second Year

First Semester	Credits
FDE 791 Dissertation	9 (0 -18- 36)
Total	9 (0-18-36)
Second Semester	Credits
FDE 791 Dissertation	9 (0 -18- 36)
Total	9 (0-18-36)

Third Year

First Semester	Credits
FDE 791 Dissertation	9 (0 -18- 36)
Total	9 (0-18-36)
Second Semester	Credits
FDE 791 Dissertation	6 (0 -12- 24)
Total	6 (0 -12- 24)

Plan 2.2 for student with Bachelor degree

First Year

First Semester	Credits
FDE XXX Prescribed Elective	3 (3 -0 - 9)
FDE XXX Prescribed Elective	3 (3 -0 - 9)
FDE XXX Elective Course	3 (X - X - X)
FDE XXX Elective Course	3 (X - X - X)
Total	12 (6+X - X - 18+X)

Second Semester

Second Semester	Credits
FDE 601 Planning and Analysis of Experiments	3 (3-0-9)
FDE 618 Transport Phenomena in Food Processing	3 (3-0-9)

Faculty of Engineering

Doctor of Engineering Program in Food Engineering

FDE XXX Elective Course	3 (X - X - X)
FDE XXX Elective Course	3 (X - X - X)
Total	12 (6+X - X - 18+X)
Second Year	
First Semester	
FDE 792 Dissertation	6 (0 -12 -24)
Total	6(0-12-24)
Second Semester	
FDE 792 Dissertation	9 (0 -18 -36)
Total	9 (0-18-36)
Third Year	
First Semester	
FDE 792 Dissertation	9 (0 -18 -36)
Total	9 (0-18-36)
Second Semester	
FDE 792 Dissertation	9 (0 -18 -36)
Total	9 (0-18-36)
Forth Year	
First Semester	
FDE 792 Dissertation	9 (0 -18 -36)
Total	9 (0-18-36)
Second Semester	
FDE 792 Dissertation	6 (0 -12 -24)
Total	6(0-12-24)