

Master of Science Program in AgriScience and Technology (Postharvest) (International Program)

M.Sc. (AgriScience and Technology (Postharvest))

Philosophy:

This program gives special importance to produce human resources who can apply the knowledge of agriscience and technology (Postharvest) for creating work and innovations to help drive the country's economy.

Objectives:

1. To produce graduates with ample knowledge in agriscience and technology (Postharvest) who can apply the knowledge of interdisciplinary fields for solving problems related to the production process of agricultural produce and innovation creation to meet the needs of the policy of Thailand 4.0 in agriculture.
2. To provide opportunities for graduates to learn from direct experience working in the industrial sector and develop themselves to be entrepreneurs.
3. To train graduates to think and analyze systematically and to continually seek for knowledge.

Qualifications of a prospective candidate:

1. holds a bachelor's degree in agriculture, science or related fields.
2. has at least one year work experience or research experience.
3. is a Thai national or a foreigner who can communicate well in English.
4. has other qualifications as stipulated by KMUTT regulations for graduate study and by the program faculties exam committee who consider the appropriateness to study in the program.

Professions after graduation:

1. High level researchers working locally and internationally.
2. Lecturers, researchers or Educators in agriscience and technology (Postharvest) in government and private sectors.

3. Researchers and agricultural produce promotion officers in government and private sectors.
4. Quality assurance managers of agricultural produce in wholesale and retail companies such as department stores and supermarkets.
5. Project analysts in science and technology.
6. Managers, officials and researchers of exporting companies for vegetables, fruits, flowering plants, ornamental plants, seeds and grains.
7. Entrepreneurs or owners of agricultural business.

Curriculum

Total Program Credits

Plan 1.1 Dissertation (Dissertation 36 Credits) 36 Credits

Plan 1.2 Dissertation (Dissertation 12 Credits) 38 Credits

Plan 2 Independent Study 37 Credits (Postharvest Practice Program; PoP)

Curriculum Components

Plan 1.1 (Dissertation 36 Credits)	36 Credits
Dissertation	36 Credits
Plan 1.2 (Dissertation 12 Credits)	38 Credits
Major Course	14 Credits
Elective Course	12 Credits
Dissertation	12 Credits
Plan 2 Independent Study	37 Credits
Major Course	16 Credits
Elective Course	15 Credits
Independent Study	6 Credits



King Mongkut's University of
Technology Thonburi

School of Bioresources and Technology

Master of Science Program in AgriScience and
Technology (Postharvest) (International
Program)

COURSE STRUCTURE

Plan 1.1 Dissertation (Dissertation 36 Credits) 36 Credits

First Year

First Semester

Credits

PHT 695 Dissertation	8 (0-16-32)
PHT 691 Seminar 1	1 (0-2-3)S/U
Total	8 (0-18-35)

First Year

Second Semester

Credits

PHT 695 Dissertation	10 (0-20-40)
PHT 692 Seminar 2	1 (0-2-3)S/U
Total	10 (0-22-43)

Second Year

First Semester

Credits

PHT 695 Dissertation	10 (0-20-40)
Total	10 (0-20-40)

Second Year

Second Semester

Credits

PHT 695 Dissertation	8 (0-16-32)
Total	8 (0-16-32)

Plan 1.2 Dissertation (Dissertation 12 Credits) 38 Credits

First Year

First Semester

Credits

PHT 601 Research Techniques in Postharvest Technology	3 (2-3-9)
PHT 612 Agricultural Production Systems	3 (3-0-9)
PHT 621 Postharvest Handling Systems of Agricultural Commodities	3 (2-3-9)
Total	9 (7-6-27)



First Year

Second Semester

PHT xxx Elective Course 1	3 (x-x-x)
PHT xxx Elective Course 2	3 (x-x-x)
PHT 698 Special Problems	3 (3-0-9)
PHT 699 Dissertation	3 (0-6-12)
Total	12 (3+x-6+x-21+x)

Second Year

First Semester

PHT xxx Elective Course 3	3 (x-x-x)
PHT xxx Elective Course 4	3 (x-x-x)
PHT 699 Dissertation	4 (0-8-16)
PHT 691 Seminar 1	1 (0-2-3)
Total	11 (x-10+x-19+x)

Second Year

Second Semester

PHT 692 Seminar 2	1 (0-2-3)
PHT 699 Dissertation	5 (0-10-20)
Total	6 (0-12-23)

Plan 2 Independent Study 37 Credits

First Year

First Semester

PHT 601 Research Techniques in Postharvest Technology	3 (2-3-9)
PHT 612 Agricultural Production Systems	3 (3-0-9)
PHT 621 Postharvest Handling Systems of Agricultural Commodities	3 (2-3-9)
PHT xxx Elective Course 1	3 (x-x-x)
Total	12 (7+x-6+x-27+x)



King Mongkut's University of
Technology Thonburi

School of Bioresources and Technology

Master of Science Program in AgriScience and
Technology (Postharvest) (International
Program)

First Year

Second Semester

PHT 691 Seminar 1	1 (0-2-3)
PHT 693 Research Project 1	3 (0-6-12)
PHT xxx Elective Course2	3 (x-x-x)
PHT xxx Elective Course3	3 (x-x-x)
Total	10 (0+x-8+x-15+x)

Second Year

First Semester

PHT 694 Research Project 2	3 (0-6-12)
PHT xxx Elective Course4	3 (x-x-x)
PHT xxx Elective Course5	3 (x-x-x)
Total	9 (0+x-6+x-12+x)

Second Year

Second Semester

PHT 690 Special Project Study	6 (0-12-24)
Total	6 (0-12-24)