

BIOLOGY

ABOUT US

The Department of Biology at Chiang Mai University was established in 1964 with the University's founding. At first, there were four faculty members and two supporting staff. At the time of founding, the department offered a Bachelor of Science in Biology, and basic biology courses to non-major students. We congratulated the first cohort of nine graduates in 1968. Since that time, the department has expanded and developed its biology curriculum.



ACADEMIC



The Department of Biology has now offered 11 programs ranging from undergraduate to doctoral degrees in several disciplines in biology which include

- BS (Biology), BS (Zoology), BS (Microbiology)
- MS & PhD (Biology)
- MS & PhD (Applied Microbiology)
- MS (Teaching Biology)
- PhD (Biodiversity & Ethnobiology)
- MS & PhD (Biotechnology)
- MS & PhD (Environmental Science) (*Int'l Program*).

Faculty Members

Angkhana INTA, PhD (Biology)
Arunothai JAMPEETONG, PhD (Biological Sciences)
Boonsom BUSSABAN, PhD (Biology)
Chalobol WONGSAWAD, PhD (Biology)
Chayakorn PUMAS, PhD (Biotechnology)
Chitchol PHALARAKSH, PhD (Environmental Toxicology)
Decha TAPUNYA, PhD (Biology)
Dia Panitnard SHANNON, PhD (Ecology and Biodiversity)
Hataichanok PANDITH, PhD (Pharmaceutical Chemistry)
Itthayakorn PROMPUTTHA, PhD (Biology)
Jamnong UTHAIBUTRA, PhD (Agricultural Biochemistry)
Jarunee JUNGKLANG, PhD (Applied Biochemistry)
Jatupol KAMPUANSAI, PhD (Biology)
Jeeraporn _PEKKOH, PhD (Biology)

Jomkwan MEERAK, PhD (Agricultural Science)
Kanda WANGCHAI, PhD (Agriculture)
Kanokporn SAENPHET, Dr.rer.nat (Zoologie)
Kobkiat SENGNIL, PhD (Applied Biochemistry)
Manaporn MANABOON, PhD (Insect Endocrinology)
Maslin OSATHANUNKUL, PhD (Plant Sciences)
Monruedee CHAIYAPO, PhD (Marine Bioresource & Envi. Science)
Nada ARAYASKUL, MS (Genetics)
Nadchanok RODRUSSAMEE, PhD (Applied Molecular Bioscience)
Nantiya AGGIMARANGSEE, PhD (Biology)
Narumol THONGWAI, PhD (Microbiology)
Nattawadee NANTARAT, PhD (Biological Sciences)
Panuwan CHANTAWANNAKUL, PhD (Microbiology)
Pathrapol LITHANATUDOM, PhD (Genetics)
Phatchawan ARJINAJARN, PhD (Physiology)
Pheravut WONGSAWAD, PhD (Biotechnology)
Pimonrat TIANSAWAT, PhD (Plant Biology)
Prasit WANGPAKAPATTANAWONG, PhD (Forest Sciences)
Saisamorn LUMYONG, PhD (Applied Microbiology)
Sakunnee BOVONSOMBAT, PhD (Biology)
Sawat SANITJAN, PhD (Ecology)
Siriporn ROJARAYANON, PhD (Agricultural Biotechnology)
Siriwadee CHOMDEJ, Dr.agr. (Molecular Genetics)
Somchit YOUPENSUK, PhD (Biotechnology)
Srisulak DHEERANUPATTANA, Dr. agr. (Plant Genetics)
Stephen ELLIOT, PhD. (Ecology)
Suphap SAENPHET, PhD (Biology)
Sutthathorn CHAIRUANGSRI, Dr.phil. (Geographie)
Tanawat CHAOWASKU, PhD (Systematic Botany)
Terd DISAYATHANOOWAT, PhD (Biology)
Thaneeya CHETIYANUKORNKUN, PhD (Environmental Science)
Thararat CHITOV, PhD (Bioscience and Biotechnology)
Usawadee CHANASUT, PhD (Plant Physiology)
Wanaruk SAIPUNKAEW, Dr. rer. nat. (Biogeographie)
Wasu PATHOM-AREE, PhD (Microbiology)
Weerah WONGKHAM, PhD (Animal Biotechnology)
Weerasak ROONGRUANGWONGSE, MS (Envi. Tech. Manage.)
Wittaya PHEERA, PhD (Computational Science)
Yingmanee TRAGOOLPUA, PhD (Biology)



Undergraduate Curriculum

B.S. (BIOLOGY)

First Year

Fundamental English 1
Integrated Mathematical Sciences
Chemistry 1
Calculus 1
Basic Biology 1

Fundamental English 2
Chemistry 2
Basic Biology 2
Chemistry 2
Calculus 2
Physics 1

Second Year

Critical Reading & Effective Writing
Genetics 1
Systematics and Biodiversity
Organic Chemistry
Science & Mathematics (3)

English in Science & Technology
Introduction to Biochemistry
Microbiology
Humanities & Social Sciences (3)
Free Electives (5)
Learning through Activities (1)

Third Year

Cell and Molecular Biology
General Plan Physiology
Ecology
Major Electives or Minor (3)
Humanities & Social Sciences (3)

Learning through Activities (2)
Biometry
Evolution
General Animal Physiology
Major Electives or Minor (3)
Free Elective (3)

Fourth Year

Major Electives or Minor (10)
Humanities & Social Sciences (3)

Major Electives or Minor (9)
Biology Seminar
Special Project

B.S. (ZOOLOGY)

First Year

Fundamental English 1
Integrated Mathematical Sciences
Chemistry 1
Calculus 1
Basic Biology 1

Fundamental English 2
Basic Biology 2
Physics 1
Humanities & Social Sciences (3)
Science & Mathematics (3)

Second Year

Critical Reading & Effective Writing
Genetics 1
Organic Chemistry
Animal Diversity
Humanities & Social Sciences (3)

English in Science & Technology
Vertebrate Zoology
Invertebrate Zoology
Microbiology
Humanities & Social Sciences (3)

Third Year

Cell and Molecular Biology
General Animal Physiology
Major Electives or Minor (5)
Free Electives (3)
Learning through Activities (1)

Learning through Activities (2)
Biometry
Introduction to Biochemistry
Ecology
Major Electives (3)
Free Electives (3)

Fourth Year

Major Electives (6)
Major Electives or Minor (9)
Field Zoology

Major Electives (3)
Major Electives or Minor (6)
Zoology Seminar
Special Project in Zoology

B.S. (MICROBIOLOGY)

First Year

Fundamental English 1
Integrated Mathematical Sciences
Chemistry 1
Calculus 1
Basic Biology 1

Fundamental English 2
Basic Biology 2
Physics 1
Humanities & Social Sciences (3)
Science & Mathematics (3)
Learning through Activities (1)

Second Year

Critical Reading & Effective Writing
Genetics 1
Organic Chemistry
Microbiology
Humanities & Social Sciences (3)

English in Science & Technology
Quantitative Analysis
Phycology
Introduction to Mycology
Humanities & Social Sciences (3)

Third Year

Introduction to Biochemistry
Microbiological Instrumentation
Microbial Genetics
General Immunology
Major Electives or Minor (6)

Learning through Activities (2)
Virology
Bacterial Physiology
Systematic Bacteriology
Major Electives or Minor (6)

Fourth Year

Microbial Ecology
Training in Microbiology
Biometry
Major Electives or Minor (6)
Free Elective (3)

Microbiology Seminar
Microbiology Reports
Special Project in Microbiology
Major Electives (3)
Major Electives or Minor (3)
Free Elective (3)

For more detail about the program, electives and course description, please visit the following website.

