

## COURSE DETAILS

A separate sheet should be completed for each course.

Course title	Bachelor of Science Program in Applied Biology
Entry qualifications	1. Must have graduated or 2. To receive graduate status of their high school in Mathematics-Science program, successfully completed grade 12 or
Maximum number in class	50 people
Average class contact hours per week	15-21 hours per week
Examining body	RMUTT
Academic level	Bachelor of Science (Applied Biology)
Certificate awarded, and by whom	Ministry of Education
Duration of course	4 years
Teacher/Course Leader responsible for the course	Asst. Prof. Sujaya Ritthisorn
Brief outline of the course content and its delivery	<p>Students must complete at least 131 credits of the curriculum</p> <p><b>A. General Education Courses 33 credits</b></p> <p><b>B. Specialized Courses 92 credits</b></p> <p>Basic Courses</p> <ul style="list-style-type: none"> <li>- Calculus 1</li> <li>- Chemistry 1</li> <li>- Chemistry Laboratory 1</li> <li>- Chemistry 2</li> <li>- Chemistry Laboratory 2</li> <li>- Principles of Biology</li> <li>- Principles of Biology Laboratory</li> <li>- Cell Structure and Function</li> <li>- Cell Structure and Function Laboratory</li> <li>- Introductory Physics</li> </ul>

- Introductory Physics Laboratory

Required Courses

- Organic Chemistry 1
- Organic Chemistry Laboratory 1
- Biochemistry
- Biochemistry Laboratory
- Zoology
- Zoology Laboratory
- Botany
- Botany Laboratory
- Principles of Genetics
- Principles of Genetics Laboratory
- Biostatistics
- General Microbiology
- General Microbiology Laboratory
- Introduction to Biotechnology
- Ecology and Biological Conservation
- Ecology and Biological Conservation Laboratory
- Seminar in Applied Biology
- Applied Biology Project 1
- Applied Biology Project 2

**C. Free Elective Courses 6 credits**