

Bachelor of Education Program in General Science

General Information

Degree Designation : Bachelor of Education Program in General Science

Total Credits : 165 credits

Graduate : 5 years

Academic Year

The academic calendar mostly consists of two semesters (Two-semester system). Each semester is not less than 15 weeks. The summer session is scheduled to meet the requirements of each

1 st semester : June - September

2 nd semester : November – February

Summer semester : March – May

Course Structure

A : General Education Course

B : Major Course

C : Free Elective Course

A : General Education (30 credits)

1. Language and Communication (9 credits)

- Fundamental Course (6 credits) :

Course ID	Course name	Credits
1551001	Fundamental English	3(3-0-6)
1551002	English for Communication	3(3-0-6)

- Free Elective (3 credits) :

1541001	Thai Language Usage Skills	3(3-0-6)
1541002	Language and Communication for Specific Purposes	3(3-0-6)
1561001	Japanese for Communication	3(3-0-6)
1571001	Chinese for Communication	3(3-0-6)
1571002	Fundamental Chinese for Tourism	3(3-0-6)
1661001	Korean for Communication	3(3-0-6)
1691001	Fundamental Burmese	3(3-0-6)
1691002	Burmese for Communication	3(3-0-6)

2. Humanities (6 credits)

Course ID	Course name	Credits
1001003	Human Behavior and Self-Development	3(3-0-6)
1001005	Thinking and Decision Making Skill	3(3-0-6)
1511001	Ethics and Human Beings	3(3-0-6)
1511002	Facts of Life	3(3-0-6)
1521001	Buddhism	3(3-0-6)
1631001	Information for Study and Research	3(3-0-6)
2011001	Aesthetics of Visual Arts	3(3-0-6)
2051001	Aesthetics of Performing Arts	3(3-0-6)
2061001	Music Appreciation	3(3-0-6)
3501001	Leadership Development	3(3-0-6)
3501003	Personality Development and the Arts of Socializing	3(3-0-6)

3. Social Sciences (6 credits)

Course ID	Course name	Credits
2501001	History of Thai Society and Culture	3(3-0-6)
2501003	Public Mind and Civic Social Engagement	3(3-0-6)
2501004	Interdisciplinary Social Science for Development	3(3-0-6)
2501005	Kamphaeng Phet Studies	3(2-2-5)
2521001	Globalization and Localization	3(3-0-6)
2521002	ASEAN Studies	3(3-0-6)
2541001	Human Beings, Community, and Environment	3(3-0-6)
2541002	Local Resource Management	3(3-0-6)
2551002	Fundamental Knowledge on Thai Politics and Government	3(3-0-6)
2561001	Introduction to Laws	3(3-0-6)
3501004	Business Initiation	3(3-0-6)
3531001	Finance in Daily Life	3(3-0-6)
3541001	Entrepreneurship	3(3-0-6)
3591002	Sufficiency Economy	3(3-0-6)

4. Mathematics, Science, and Technology (6 credits)

Select courses in subjects 1. - 4. (3 credits)

Course ID	Course name	Credits
1161001	Sports and Recreation for Quality of Life	3(2-2-5)
1161002	Exercise for Health	3(2-2-5)
4001002	Science and Technology for Daily Life	3(3-0-6)
4001003	Environments and Natural Resources Conservation	3(3-0-6)
4071001	Health and Health Care	3(3-0-6)
4091001	Mathematics in Daily Life	3(3-0-6)
4091003	Mathematics and Decision Making	3(3-0-6)
4121001	Computer and Information Technology	3(2-2-5)
4121005	Website Design and Development	3(2-2-5)
4121006	Package Software for Application	3(2-2-5)
5001001	Agriculture in Daily Life	3(3-0-6)
5071001	Food for Health	3(3-0-6)
5501001	Technology in Daily Life	3(3-0-6)

B : Major Course (129 credits)

Teachers Group (32 credits)

Course ID	Course name	Credits
1003101	Practicum 1	1(90)
1004102	Practicum 2	1(90)
1012101	Philosophy and Self-actualization for Teacher	3(3-0-6)
1012103	Language and Culture for Teacher	3(2-2-5)
1012104	English for Teachers	3(2-2-5)
1022001	Curriculum Development	3(2-2-5)
1022002	Principle of Learning Management and Classroom Management	3(2-2-5)
1032201	Innovation and Education Information Technology	3(2-2-5)
1043001	Learning Measurement and Evaluation	3(2-2-5)
1043002	Research for Learning Development	3(2-2-5)
1052001	Psychology for Teacher	3(3-0-6)
1063005	Educational Quality Assurance	3(3-0-6)

Selective teachers (2 credits)

Course ID	Course name	Credits
1001002	Thai Language for Communication of Teachers	2(2-0-4)
1005101	English for Communication of Teachers	2(2-0-4)
1012002	Academic Camp Management	2(1-2-3)
1022003	Skills and Techniques of Learning Management	2(1-2-3)
1024001	Chinese for Communication of Teachers	2(2-0-4)
1031101	Computers for Education	2(1-2-3)
1033202	Media Texts Construction	2(1-2-3)
1043003	Statistics for Data Analysis in Education	2(1-2-3)
1053002	Guidance and Activities for Student Development	2(2-0-4)
1063004	Principal of Educational Administration	2(1-2-3)
1063005	Educational Administration Leadership	2(1-2-3)
1083001	Inclusive Education	2(2-0-4)

Teachers Practice (12 credits)

Course ID	Course name	Credits
1004103	Internship 1	6(540)
1005104	Internship 2	6(540)

Major Requirement (69 credits)

Course ID	Course name	Credits
1201101	Mathematics for Science	3(3-0-6)
1201501	Earth Science	3(2-2-5)
1203501	Seminar in Science	2(1-2-3)
1203502	English for Science Teacher	3(3-0-6)
1203503	Scientific Research Methodology	3(2-2-5)
1203505	Teaching Materials in Teaching Science	3(2-2-6)
1204501	Teaching Skills for Science Teacher	3(2-2-5)
4011101	Physics and Laboratories 1	4(3-3-7)
4011102	Physics and Laboratories 2	4(3-3-7)
4012101	Astronomy and Space	3(2-2-5)
4012201	Mechanics 1	4(3-3-7)
4021101	Chemistry and Laboratory 1	4(3-3-7)
4022201	Inorganic Chemistry and Laboratory 1	4(3-3-7)
4022301	Organic Chemistry and Laboratory 1	4(3-3-7)

Course ID	Course name	Credits
4023601	Analytical Chemistry and Laboratory 1	4(3-3-7)
4031301	General Biology and Laboratory	4(3-3-7)
4032401	Genetics	4(3-3-7)
4033201	Zoology	3(2-3-5)
4033501	Microbiology Microbiology	4(3-3-7)
4061101	Environmental Science Foundation	3(2-2-5)

Major Elective Course (4 credits)

Course ID	Course name	Credits
1203507	Botanical Garden in School	3(2-2-5)
4004209	Local Science	2(1-3-2)
4032102	Taxonomy	4(3-3-7)

Teaching Major (6 credits)

Course ID	Course name	Credits
1204502	Integration and Learning Management for Science Teaching 1	3(2-2-5)
1204503	Integration and Learning Management for Science Teaching 2	3(2-2-5)

Selective Teaching Major (4 credits)

Course ID	Course name	Credits
4012202	Electricity and Magnetism 1	4(3-3-7)
4012203	Physics of Wave	4(3-3-7)
1203506	Green Chemistry	2(1-2-3)
4021102	Chemistry and Laboratory 2	4(3-3-7)
4022501	Biochemistry and Laboratory 1	4(3-3-7)
4032101	General Physiology	4(3-3-7)
4034302	Plant Tissue Culture	3(2-3-5)

C: Free Elective Course (6 credits)

Freely choose any courses provided by the university. The courses chosen must not have been taken before by the student and must not be the compulsory non-credit courses.