Bachelor of Technology Program in Construction Technology

General Information

Degree Designation : Bachelor of Technology Program in Construction Technology

Total Credits : 135 credits

Graduate : 4 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) :

Course ID	Course name	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 (99 credits)

Core subjects (18 credits)

Course ID	Course name	Credits
5701101	English for Industrial Technology	3(3-0-6)
5701201	Handcraft for Industrial Technology	3(2-2-5)
5701202	Industrial Safety	3(2-2-5)
5701301	Drawing for Industrial Technology	3(2-2-5)
5701401	Designing in Industrial Work	3(2-2-5)
5701501	Software Application for Industrial Technology	3(2-2-5)

Major Requirement (69 credits)

Course ID	Course name	Credits
5791401	Mechanical Engineering	3(3-0-6)
5791201	Strength of Material	3(3-0-6)
5731601	Structural Theory	3(3-0-6)
5791601	Soil Mechanics	3(2-2-5)
5792401	Timber and Steel Design	3(3-0-6)
5793402	Reinforced Concrete Design	3(3-0-6)

Course ID	Course name	Credits
5793601	Surveying Engineering for Construction 1	3(2-2-5)
5731702	Concrete Technology and Laboratory	3(2-2-5)
5793703	Construction Materials Testing Technology	3(2-2-5)
5731701	Construction Technology	3(2-2-5)
5791501	Architecture Design Fundamentals	3(2-2-5)
5792502	Technology Construction Drawing 1	3(2-2-5)
5792503	Technology Construction Drawing 2	3(2-2-5)
5792504	Technology Construction Drawing 3	3(2-2-5)
5792505	Technology Construction Drawing 4	3(2-2-5)
5793301	Computer Graphics in Technology Construction Drawing 1	3(2-2-5)
5791801	English for Construction Management	3(3-0-6)
5793806	Specification Contracts and Estimating	3(2-2-5)
5732302	Planning and Supervision for Construction	3(3-0-6)
5793807	Construction Project Management	3(3-0-6)
5793901	Research Methods for Construction Technology	3(3-0-6)
5794902	Individual Study in Construction Technology	3(2-2-5)
5794903	Seminar in Construction Technology	3(2-2-5)

Major Elective Course (6 credits)

Course ID	Course name	Credits
5732402	Building Equipment	3(3-0-6)
5734101	Subject Name Supervision and Inspection	3(3-0-6)
5791702	Safety Engineering in Construction	3(2-2-5)
5791802	Material Engineering for Construction	3(3-0-6)
5791803	Quantity Survey for Construction	3(2-2-5)
5792202	Construction Technology Thai Heritage Group	3(2-2-5)
5792805	Law for Construction Management	3(3-0-6)
5793203	History of Asian Architecture	3(3-0-6)
5793204	Urban Design	3(2-2-5)
5793302	Computer Graphics in Technology Construction Drawing 2	3(2-2-5)
5793602	Surveying Engineering for Construction 2	3(2-2-5)
5793704	Building Technology and Environment	3(3-0-6)

Course ID	Course name	Credits
5793808	Landscape Architecture	3(2-2-5)
5793809	Building Assessment and Maintenance	3(2-2-5)
5791301	Vernacular Architecture	3(2-2-5)

Professional Experience or Cooperative Education (6 credits)

Select a plan

Course ID	Course name	Credits
5794811	Preparation of Training Experience	1(90)
5794812	Field Experience	5(450)
or		
5794813	Co-operative Education	6(540)

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.