

2002-2004

BURAPHA UNIVERSITY





Bangsaen Chonburi Thailand



BURAPHA UNIVERSITY



HANDBOOK 2002-2004



essage from the President Burapha University Council

Welcome

As one of the prestigious universities in the eastern region, Burapha University has been an exhilarating choice both for undergraduate and graduate levels. Since its inception, Burapha University has fully committed itself to the academic excellence, achieving through teaching, learning, and research. The University offers a challenging and rewarding learning environment. Besides, it plays a significant role in providing intellectual leadership and service to the professions, communities, and wider societies.

In the years to come, the University continues to enhance the quality of its intellectual, cultural, and physical environment and to create, advance, and disseminate knowledge and enquiry in ways which enrich the university's professional focus and strengthen the knowledge and intellectual base of the professions.

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Meechai Ruchupan

President of the Burapha University Council



essage from the President

Welcome to Burapha University

Burapha University is a dynamic, rapidly growing university, located in the eastern part of Thailand. Through its growing maturity, the University has maintained its clear and fundamental purpose of providing high quality and accessible higher education and research that contribute to the region's and the nation's development.

The University is strongly committed to excellence in teaching and research, community service, and culture and arts conservation. Academically, the University provides students, ranging from undergraduates to doctoral degree candidates, with a wide variety of study programs that not only accommodate their interests and career aspirations, but also prepare them to meet the challenges of a knowledge-driven global economy. Additionally, in order to strengthen its research focus, the University has devised a practical framework for research management that aims to encourage multidisciplinary initiatives, and the pursuit of knowledge in the form of both pure and applied research.

Through the concerted efforts of our staff, students, alumni and collaborators, we firmly believe that Buraphá University can maintain its high academic standards and remain competitive in the world of education and research.

Prof. Suchart Upatham, Ph.D.

Suche Supatham

President



Burapha University

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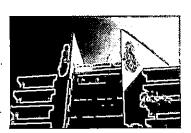


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BURAPHA UNIVERSITY (AN ACCREDITED PUBLIC UNIVERSITY)



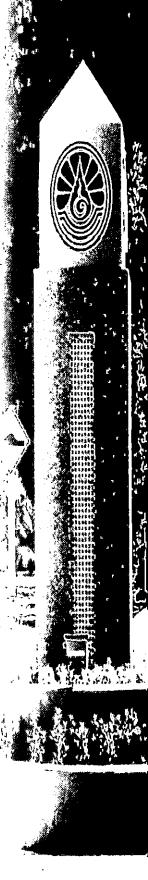
Web page: www.buu.ac.th

E-mail address: bucc4.buu.ac.th

Location and Historical Background

Burapha University is a public university located in Bangsaen, Chonburi, about 100 km. from Bangkok, in the Eastern Seaboard Area of Thailand. The campus covers an area of 256 acres. It was first established as the Bangsaen College of Education in 1955-the first tertiary education institution ever established outside of Bangkok- to produce graduates in teacher education. In 1984, when the Prasarnmitr College of Education in Bangkok was upgraded to university level and named Srinakharinwirot University, Bangsaen College of Education was included as a branch campus and started to offer several other degrees besides teacher education. In 1990, due to the need for more college-trained personnel to implementation the Government's Eastern Seaboard Development Project to industrialize the area, the Bangsaen Campus was upgraded to full university level and renamed Burapha University, which means "University of the East".

Burapha University has rapidly expanded since then. Enrollment in 2000 was approximately 12,000 students, with over 500 teaching staff and over 300 general staff. There are 16 faculties and colleges: Faculty of Humanities and Social Sciences, Education, Nursing, Public Health, Science, Engineering, Fine. and Applied Arts, , Science and Liberal Arts, Marine Technology, Medicine, Graduate School, Gems College, Maritime College, Graduate School of Commerce, Graduate School of Public Administration, and Sport Science College. In addition, the University also has a number of advanced research and service centers, such as the Library Center, the Institute of Marine Science, the Academic Services Center, the Computer Center, the University Hospital, etc. Burapha University offers more than fifty programs of study, thirty programs at the Master's degree level, one Ed.D program, three Ph.D programs, and many short-course training programs per year. More Ph.D programs in many disciplines are being set up and will be offered in the near future.



Philosophy

" To nurture the intellect, to encourage the search for knowledge and morality, and to guide society."

University Mission

- 1. To graduate scholars with self-directed learning skills and high standards of morality.
- 2. To build new bodies of knowledge in a spirit of academic excellence.
- To be an academic resource with a leading role in the development of the eastern region of Thailand and the preservation of regional culture.

University Vision

- 1. To offer education which nurtures the intellect and high moral standards.
 - To seek new bodies of knowledge as a means towards academic excellence.
- 3. To provide academic services that promote development, and maintain cultural heritage.
 - To serve as a regional institute of higher learning and aid in the development of the eastern region of Thailand.

University Symbols and Emblem



As stated in the royal decree, the university emblem is made up of the figure "nine" in the Thai script surrounded by a flame and 8 radii with curves at the base. The "nine" represents HisrRoyal Highness King Rama IX.

University Colours

The University colours are grey and gold to signify the University's commitment to the University.

Grey (the colour of the brain) means "Intellectual Progress," and gold means "Morality"

<u>Thiv</u>ersity Tree

The University tree is the coconut tree, which is commonly found throughout the campus and is regarded as a hardy plant of all-round usefulness.

University Motto

"The acquisition of intellect results in contentment."

University Organization

Burapha University is divided into 27 administrative units:

President's Office

Graduate School

Faculty of Nursing

Faculty of Science

Faculty of Engineering

Faculty of Fine and Applied Arts

Faculty of Education

Faculty of Public Health

Faculty of Humanities and Social Science

Faculty of Science and Liberal Arts

Faculty of Marine Technology

Faculty of Medicine

Gems College

Maritime College

Sport Science College

Graduate School of Commerce

Graduate School of Public Administration

Chantaburi Campus

Srakaew Campus

Institute of Marine Science

Institute of Arts and Culture

Institute of Social and Environmental Studies

Computer Center

Health Care Center

Academic Services Center (Unisery

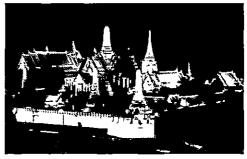
Standard and Quality System Center

Central Library

Piboonbumpen Demonstration School













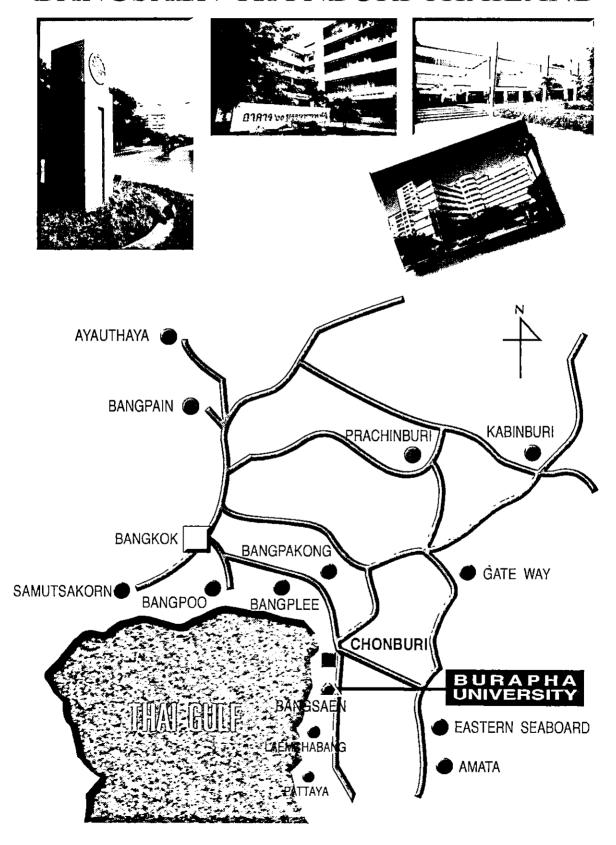


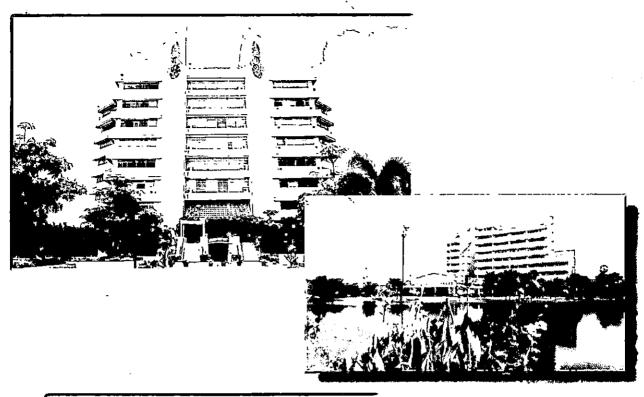






BURAPHA UNIVERSITY BANGSAEN CHONBURI THAILAND







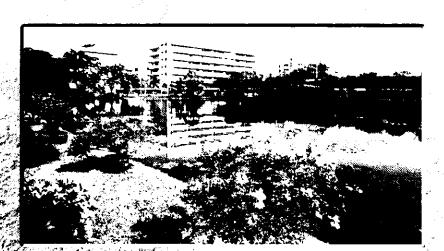






Burupha University







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University Council Members

Council Chairman

1. Mr. Meechai Ruchupan, M.C.L.

Deputy Council Chairman 2. Assoc. Prof. Kamchud Mongkolkul, Ph.D.

External Members

- 3. Mr. Prayoon Chindapradist, Graduate Diploma in Accountancy
- 4. Wirojana Tantraporn, Ph.D.
- 5. Mr. Chakramon Phasukvanich, M.Econ.
- 6. Sumet Tantivejkul, Ph.D.
- 7. Mr. Paiboon Wattanasiritham, B.Sc.
- 8. Mr. Narong Chokwatana, B.Sc.
- 9. Prof. Piamsak Menasveta, Ph.D.

Members Ex-Officio

10. Prof. Suchart Upatham, Ph.D.

University President

11. Samrit Yossomsakdi, Ph.D.

President of University Senate Council

- 12. Assoc. Prof. Kochakorn Sungkachad, Ed.D.
 - Faculty Representative
- 13. Assoc. Prof. Pragrom Prayoonrat, M.Sc.

Faculty Representative

14. Pichai Sonchaeng, Ph.D.

University Administrator Representative

15. Kwanchadil Phisalphong, D.A.

University Administrator Representative

16. Assoc. Prof. Prathum Muangmee, Ph.D.

University Administrator Representative

17. Assoc.Prof. Rana Pongruengphant, Ph.D.

University Vice-President and Secretary to the Council

University Administrative Board

Prof. Suchart Upatham, Ph.D. (Natural Resources)
 President

Assoc. Prof. Boonserm Poolsanguan, Ph.D. (Invertebrate Physiology)
 Vice-President for Administration

Assoc. Prof. Rana Pongruengphant, Ph.D. (Educational Administration)
 Vice-President for Academic Affairs

Mr. Virat Karavapitayakula, M.Sc. (Physics)
 Vice-President for Planning and Development

Asst. Prof. Boonma Thaikao, M.Ed. (Physical Education)
 Vice-President for Student Affairs

Asst. Prof. Pichan Sawangwong, Ph.D. (Marine Science)
 Vice-President for International Relations

Asst. Prof. Suda Suvanapirom, M.Com. (Personnel Management)
 Acting Vice-President for Special Affairs and Public Relations

Assoc. Prof. Prathoom Muangmee, Ph.D. (Physical Education)
 Dean, Graduate School

Asst. Prof. Suntharawadee Thienpichet, Ph.D. (Higher Education)
 Dean, Faculty of Nursing

Assoc. Prof. Somchai Dechaphromphun, M.Ed. (Geography)
 Dean, Faculty of Humanities and Social Sciences

Assoc. Prof. Kashane Chalermwat, Ph.D. (Ecology)
 Dean, Faculty of Science

12. Asst. Prof. Wirogana Ruengphrathuengsuka, Ph.D. (Chemical Engineering)

Dean, Faculty of Engineering

13. Assoc. Prof. Chalong Tubsree, Ed.D. (Instruction Systems Technology)

Dean, Faculty of Education

14. Assoc. Prof. Koolarb Rudtanasudjatum, D.P.H. (Health Administration)

Dean, Faculty of Public Health

15. Mr. Thepsakdi Thongnopkoon, M.F.A. (Graphic Arts)

Dean, Faculty of Fine and Applied Arts

16. Asst. Prof. Ranop Pravatngam, M.Ed. (Library Science)

Dean, Faculty of Science and Liberal Arts

17. Pichai Sonchaeng, Ph.D. (Biology)

Dean, Faculty of Marine Technology

18. Pichai Sonchaeng, Ph.D. (Biology)

Director, Institute of Marine Science

19. Mr. Seree Chinodom, M.Ed. (Mathematics Education)

Director, Computer Center

20. Kwanchadil Phisalphong, D.A. (Library and Information Science)

Director, Central Library

21. Somsak Lila, Ed.D. (Research and Curriculum Development)

Director, Piboonbumpen Demonstration School

22. Mr. Withaya Sriyoothana, B.Ed. (Chemistry – Biology)

Director, Academic Services Center (Uniserv)

23. Tanawat Singkalvanija, M.D., (Diplomate of the American Board of Internal Medicine)

Director, Health Science Center

24. Mr. Kriangsak Phramphun, M.Sc. (Geography)

Director, Institute of Social and Environmental Studies

25. Asst. Prof. Jitrapun Pusapukdepob, M.Sc. (Industrial Hygiene and Safety)

Director, Standard and Quality System Center

26. Asst. Prof. Suda Suvanapirom, M.Com. (Personnel Management) Director, Graduate School of Commerce

27. Assoc. Prof. Saroot Skulrat, M.A. (International Relations and Diplomacy) Director, Graduate School of Public Administration

28. Samrit Yossomsakdi ,Ph.D. (Political Science) President, University Senate Council

29. Asst. Prof. Arunee Therdteppitak, Ph.D. (Electrochemistry) Acting Director, Gems College

30. Assoc. Prof. Kochakorn Sangkachad, Ed.D. (Adult Education) Faculty Representative

31. Assoc. Prof. Pragrom Prayoonrat, M.Sc. (Agriculture) Faculty Representative

32. Mr. Virat Karavapitayakula, M.Sc. (Physics) Acting Director, Maritime College

33. Mr. Saman Suppasri, M.Ed. (Art Education) Assistant President for Administration

34. Mrs. Sompid Udomsin, M.Ed. (Science Education) Assistant President for Special Affairs

35. Suchada Rattanawanitpun, Ph.D. (Curriculum and Instruction)

Assistant President for Academic Affairs

36. Wichitporn Lausuwanagoon, Ed.D. (Research and Curriculum Development) Assistant President for Academic Affairs

37. Rachanee Sunsern, D.N.Sc. (Nursing) Assistant President for Academic Affairs

38. Asst. Prof. Sittipun Sirirattanachai, Ph.D. (Marine Science)

Assistant President for Planning and Development

39. Mr. Apisuk Chairojwatana, M.Sc. (Information Technology in Business)

Assistant President for Student Affairs

40. Mr. Thanongsak Yingratanasuk, M.S. (Public Health)

Assistant President for International Relations

41. Ms. Yawaluk Saengchan, M.Ed. (Thai)

Assistant President for Special Affairs and Public Relations

42. Mr. Vasin Yuvanatemiya, M.Sc. (Marine Science)

Assistant President for Administraton, Chantaburi Information Technology Campus

43. Ms. Araya Sunthornvipart, M.B.A.

Assistant President for Special Programs and Public Relations, Chantaburi Information Technology Campus

44. Asst. Prof. Sombat Garnsomsart, M.Sc. (Physics)

Assistant President, Srakaew Information Technology Campus

45. Assoc. Prof. Wannee Deoisres, Ph.D. (Nursing)

Assistant President for Research

46. Mr. Somsak Aeamkongsri, M.Ed. (Higher Education)

Director, Planning Division

47. Mr. Pichit Meephojana, M.Ed. (Educational Administration)

Director, Educational Services Division

48. Miss Pinyo Piamprasatporn, M.Ed. (Educational Administration)

Director, Student Affairs Division

49. Mrs. Punnee Plaengchantuek, M.Ed. (Educational Administration)

Director, General Affairs Division

50. Asst. Prof. Paipan Intanin, M.Ed. (Library Science)

Acting Director, Institute of Arts and Culture

Undergraduate Admissions

Applicants can apply for admission as follows:

1. Four-year undergraduate programs through the National Entrance Examination

The examination is administered by the Ministry of University Affairs for placement to public and private tertiary institutions throughout Thailand. Application forms may be purchased in March at the University and the examination is taken in April. Applicants must have high school certificates (grade 12) or equivalent, and have a good command of the Thai language.

2. Four-year undergraduate programs through Burapha University's entrance examination

The number of students admitted through this procedure is 60% of the total number of places provided by the University. A quota for students with special abilities e.g. sports or music. Students can apply for the entrance examination in September and sit for the examination at the beginning of November every year. To be eligible, students must be studying in Grade 12 (Matayom VI) at high schools located in the twelve eastern provinces (Chonburi, Samut Prakarn, Nakhorn Na-Yok, Srakaew, Prachinburi, Chachuengsao, Rayong, Chantaburi, Trad, Saraburi, Lopburi, and Pranakornsri Ayutthaya). They must also be residents of the eastern region at least one year prior to the date of application.

3. Four-year part-time programs of study

Apart from offering degree programs that are taught during working office hours, Burapha University also offers four-year special programs in the evening on weekdays and during the daytime on Saturdays and Sundays. Applicants who have graduates from Grade 12 (Matayom VI) or equivalent can apply for admission between February and March. The entrance examination administered by Burapha University is usually held in May of each year.

4. Two-year part-time continuing education programs of study

Burapha University invites applications from persons who have graduated with associate degrees or equivalent to study for two-year part-time continuing education programs in the following fields of study, the programs are offered only on Saturday and Sunday.

- 1. "Bachelor of Business Administration Program" with a major in Accounting, Marketing or Personnel Management
- 2. "Bachelor of Education Program" with a major in Educational Technology or Industrial Technology Education
 - 3. "Bachelor of Public Health Program" with a major in Public Health
 - 4. "Bachelor of Nursing Program" with a major in Nursing
- 5. "Bachelor of Science Program" with a major in Physics Instrument, Aquaculture, or Maps and Geographical Technology

Applicants can apply for the programs between January and February. Entrance examinations administered by Burapha University are usually held in February every year.

University Services

Services and support facilities available to students on campus include cafeterias, a central library, a computer center, dormitories, a health science center, a post office, scholarships and student loan service, sport facilities, etc.

The Central Library

The Central Library is an organization supporting the teaching and research activities of students and academic staffs. There are more than 20,000 library resources available through the online searching service of the computer network system.

The Computer Center

The Computer Center is an organization providing computer services for administration and instruction, including the organization of computer training courses and the provision of academic services for the general public.

The Health Science Center

The Health Science Center, with a capacity equivalent to that of a 150-bed hospital, is an organization concentrating on research as well as the provision of health services for students, university personnel, and the general public. The University, through the University Hospital which is located on campus, provides medical services round the clock.

Scholarships and Loan Service

There are numerous scholarships available for students in various programs of study with funds ranging from 2,000 to 36,000 baht. The Government student loan service is also available to students who have financial difficulties.

Student Activities

The University supports a variety of student activities. Activities are sponsored and coordinated by the Student Council through various clubs, such as the English Club, Football Club, Aquaculture Club, Nature Conservation and Environmental Club, etc.

Sports Facilities

The University subscribes to the maxim: "a sound mind in a sound body." Sports facilities for football, basketball, tennis, swimming, gymnastics, etc. are therefore provided for students and faculty members.

Dormitories

There are 11 women's dormitories and 4 men's dormitories on campus with rooms accommodating a total of 1,500 students (400 men, 1,100 women). All freshmen are given priority for dorm space.

Cafeterias

There are numerous cafeterias situated in different buildings, as well as a central cafeteria, to provide food services for students. All meals and dining facilities are under university supervision to ensure cleanliness and fair pricing.

Post Office

There is a Post Office located on campus at the Administrative Building serving to students and faculty during normal government office hours (weekdays 08.30-16.30 hrs).

The Institute of Marine Science

The Institute of Marine Science is an organization emphasizing research on biological problems and the cultivation of rare and endangered marine animals. The Marine Environment Department focuses on the Eastern Seaboard; the Biodiversity Department on living animals, plants, and micro-organisms in Eastern Seaboard areas; and the Marine Biotechnology Department on developing living natural products including sustainable exploitation of natural resources. At present, these are more than 80 completed projects and many ongoing ones. Examples are biological studies of sea horses, butterfly fish, and damselfish. There are also projects focusing on biologically active substances from bacteria and marine invertebrates.

The Academic Services Center

The Academic Services Center (Uniserv) is an organization open to the public that links academic staff to people and social organizations external to the university. It provides academic services in many different fields with a large variety of course arrangements.

Other Services.

Banking facilities such as ATM are available on campus. Payment of University fees can be made electronically through this machine. Other services including health insurance and travel services are also provided.

Research

Research is one of the primary responsibilities of the University. Burapha University realizes its importance as a center for generating and disseminating knowledge, information, and data necessary for the development of the country. The University makes great efforts to support personnel in the conducting of research through budget allotments from the government, the University's own income, and assistance from various organizations. The University has established a center for research promotion in the Educational Services Division.

International Cooperation

Burapha University has special cooperative programs with various universities outside Thailand such as Victoria University of Technology and Curtin University of Technology in Australia, Porto University in Portugal, Chungnam National University and Hankuk University in the Republic of Korea, The University of Medicine and Pharmacy in Ho Chi Minh City and Vietnam National University in Vietnam, Brock University in Canada, New York University and Northern Illinois University in the United States, and the University de Paris XIII in France.

Art and Culture Preservation

The University's Arts and Culture Institute is an organization focusing on maintenance, preservation, and promotion of Thai arts and culture. Various kinds of activities are held within and outside the country. A Thai classical music contest for primary and secondary schools in the eastern region is held each year, with winners receiving the Princess Sirindhorn Trophy.

Student Welfare

The University makes available various kinds of services for the welfare of its students. It provides dormitories for about 45% of undergraduate and graduate students, with an aim to maintain these dormitories as both residential and learning centers. Accident insurance and health insurance are provided for the students. Also, as many as 700 scholarships are provided each year. Finally, government educational loans are allocated to about 3,000 students.

Affiliated Institutions

Three institutions affiliated with Burapha University are:

- 1. Boromrajonani College of Nursing, Chonburi Province
- 2. Phrapokklao Nursing College, Chantaburi Province
- 3. Maritime Training Center, Samut Prakarn Province

Chantaburi Campus

The Chantaburi Campus of Burapha University offers programs at both Bachelor's and Master's degree levels.

Srakaew Campus

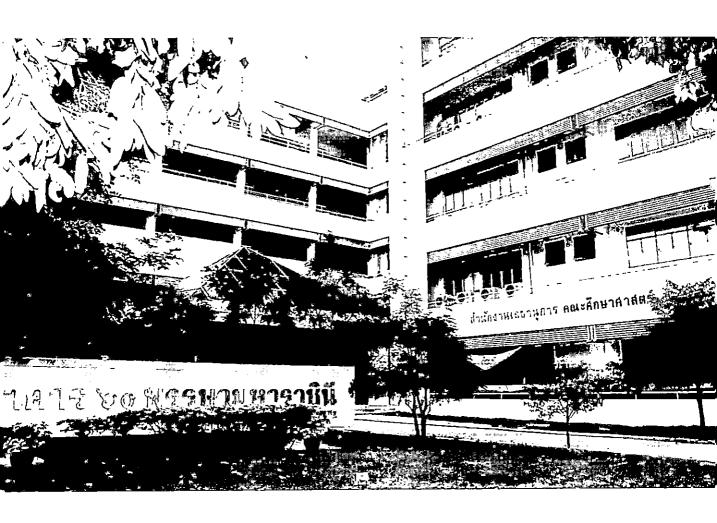
The Graduate Studies Center of Burapha University, Srakaew Province, offers a program leading to the Master of Education (M.Ed.) in Educational Administration.

Tuition Fees and Expenses

Approximate tuition fees and expenses for Burapha University students (per academic year) at the undergraduate level are as follows:

(Unit: Baht)

Full-time (four-year program)			Part-time		
Arts and	Sciences and	Engineering	Four-year	Two-year	
Education	Nursing		Programs	Continuing	
			Education		
			Programs		
3,240	3,740	10,240	39,200	16,700	



Faculty of Education

Faculty of Education

Background

The Faculty of Education established on July 8, 1955 as the first faculty of the University. Programs of study offered by the Faculty of Education are designed to produce graduates endowed with complete knowledge and virtue. The Faculty of Education endeavours to maintain the educational standards of the teaching profession and to promote its development. It is committed to searching for new knowledge and disseminating research findings to promote academic progress and academic service to the community and country. Furthermore, the Faculty of Education provides academic services to, and cooperates with, other faculties in Burapha University as well as Thai and foreign academic institutions.

Departments

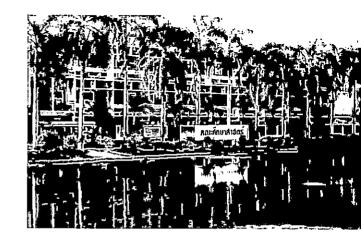
The Faculty of Education is composed of 9 departments plus one demonstration school. They are:

- Department of Curriculum and
 Instruction
- 2. Department of Educational
 Administration
- Department of Educational Technology
- 4. Department of Foundations of Education

- Department of Guidance and Educational Psychology
- Department of Industrial Education
 Project
- 7. Department of Nonformal Education
- 8. Department of Physical Education and Recreation
- Department of Research and Educational Measurement
- 10. Piboonbumpen Demonstration
 School

Degrees Offered

The Faculty of Education, Burapha University offers two bachelor degree programs: Bachelor of Education (B.Ed.) with ten majors and Bachelor of Science (B.Sc.) in Exercise and Sport Science.



General Education Courses 30 credits Bachelor of Education Program in Required Courses 26 credits Biology 12 credits **English Group** Courses Structure Basic English 6 credits Students are required to take a 212101 English I 3(3-0-6) minimum of 141 credits from the following 212102 English II 3(3-0-6) sections: 212103 English III 3 3-0-6) 1. General Education Courses 212104 English IV 3(3-0-6) 30 credits Professional English 6 credits Required Courses 26 credits 212201 English for Humanities and - English Group 12 credits Social Sciences I 3(2-2-5) - Thai Group 2 credits 212202 English for Humanities and - Information Technology Group Social Sciences II 3(2-2-5)3 credits 212203 English for Health Sciences I - Interdisciplinary Integration 3(2-2-5) 9 credits Group 212204 English for Health Sciences II **Elective Courses** 4 credits 3(2-2-5)2. Professional Teaching Courses 212205 English for Science and 40 credits Technology I 3(2-2-5)3. Area of Concentration Courses 212206 English for Science and 65 credits Technology II 3(2-2-5) - Basic Required Courses 212207 English Communicative Speaking 30 credits 3(2-2-5) - Major Required Courses 212208 English Writing Skills 3(3-0-6) 29 credits Thai Group 2 credits - Major Elective Courses 208101 Thai Language Skills 2(2-0-4) 6 credits Information Technology Group Free Elective Courses 6 credits 3 credits

310101 Computer and the Internet 3(2-2-5)

	Interdisciplinary Integration	Group	423301	Instructional Technology	2(2-0-4)
		9 credits	423303	Computer in Education	3(2-2-5)
999101	Interdisciplinary Integration	I	430216	Education Organization and	l
		3(3-0-6)		Management	2(2-0-4)
999102	Interdisciplinary Integration	II	430234	Quality Assurance	2(2-0-4)
		3(3-0-6)	433301	Educational Measurement a	nd
999103	Interdisciplinary Integration	Ш		Evaluation	3(3-0-6)
		3(3-0-6)	434301	Introduction to Educational	Research
Elective	Courses	4 credits			2(2-0-4)
	A minimum requirement	for elective	3. A	ea of Concentration Course	s 65 credits
courses	is 4 credits. Students can	select from		Basic Required Courses	30 credits
General	Education Courses which are	e offered in	302111	Calculus I	3(3-0-6)
other fa	culties by General Education	on Courses	302112	Calculus II	3(3-0-6)
Manual	(2002), Burapha University.		303101	Chemistry I	3(3-0-6)
2. Professional Teaching Courses 40 credits		303102	Chemistry II	3(3-0-6)	
401472	Professional Principle	2(2-0-4)	303103	Chemistry Laboratory	1(0-3-0)
402171	Principle and Concepts of E	ducation	306101	General Biology I	3(3-0-6)
		3(3-0-6)	306102	General Biology Laboratory	y I
404201	General Methods of Teachin	ng			1(0-3-0)
		3(3-0-6)	306103	General Biology II	3(3-0-6)
404301	Principle of Curriculum D	evelopment	308101	Introductory Physics I	3(3-0-6)
	and Curriculum Administrat	tion	308102	Introductory Physics II	3(3-0-6)
		2(2-0-4)	308103	Introductory Physics Labor	atory I
404351	Professional Experience	2(1-2-3)			1(0-3-0)
404401	Integrated Curriculum and	Instruction	312201	Elementary Statistics	3(3-0-6)
	of Specific Subject	2(2-0-4)		Major Required Courses	29 credits
404451	Practicum in Curriculum		301491	•	1(0-2-1)
	Development	2(1-2-3)	303220	,	3(3-0-6)
404452	Student Teaching	6(0-30-0)	305201	,	4(3-3-6)
414301	Guidance for Life	2(2-0-4)	306211	Ecology	3(2-3-4)
415301	Education Psychology	2(2-0-4)	306212	Cell Biology	3(3-0-6)

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306231	Zoology	3(2-3-4)		3. Area of Concentration	Courses
306241	Botany	3(2-3-4)			54 credits
306311	General Physiology	3(3-0-6)		- Basic Required Cour	rses
306321	Genetics	3(2-3-4)			30 credits
316201	General Biochemistry	3(3-0-6)		- Major Required Cou	rses
	Major Elective Courses	4 credits			20 credits
4. Fre	e Elective Courses	6 credits		- Major Elective Cour	ses
	Students may take at least 6	6 credits as			4 credits
free ele	ctive credits from courses	provided at		4. Free Elective Courses	6 credits
Burapha	University or other univers	sities both in	1. Ger	neral Education Courses	30 credits
Thailand	d and abroad to complete th	e graduation	Require	d Courses	26 credits
requiren	nent.			English Group	12 credits
			Basic En	glish	6 credits
Bachelor of Education Program in Chemistry Courses Structure Students are required to take a minimum of 130 credits from the following		gram in	212101	English I	3(3-0-6)
			212102	English II	3(3-0-6)
		212103	English III	3 3-0-6)	
		212104	English IV	3(3-0-6)	
		Professio	Professional English		
		ie following	212201	English for Humanities and	l
sections.				Social Sciences I	3(2-2-5)
	General Education Cor	30 credits	212202	English for Humanities and	Į.
	Deviled Courses	26 credits		Social Sciences II	3(2-2-5)
	Required Courses	12 credits	212203	English for Health Sciences	s I
	- English Group - Thai Group	2 credits			3(2-2-5)
	- Information Technol		212204	English for Health Sciences	s II
	- information recimor	3 credits			3(2-2-5)
	- Interdisciplinary Inte	• •	212205	English for Science and	
	•	gradon 9 credits		Technology I	3(2-2-5)
	Group		212206	English for Science and	
	Elective Courses	4 credits		Technology II	3(2-2-5)
	2. Professional Teaching		212207	English Communicative	
		40 credits		Speaking	3(2-2-5)

	212208	English Writing Skills	3(3-0-6)	404401	Integrated Curriculum and	
		Thai Group	2 credits		Instruction of Specific Subje	ect 2(2-0-4)
	208101	Thai Language Skills	2(2-0-4)	404451	Practicum in Curriculum	
		Information Technology Gr	oup		Development	2(1-2-3)
			3 credits	404452	Student Teaching	6(0-30-0)
	310101	Computer and the Internet	3(2-2-5)	414301	Guidance for Life	2(2-0-4)
		Interdisciplinary Integration	ı Group	415301	Education Psychology	2(2-0-4)
			9 credits	423301	Instructional Technology	2(2-0-4)
	999101	Interdisciplinary Integration	ıI	423303	Computer in Education	3(2-2-5)
			3(3-0-6)	430216	Education Organization and	I
	999102	Interdisciplinary Integration	ı II		Management	2(2-0-4)
			3(3-0-6)	430234	Quality Assurance	2(2-0-4)
	999103	Interdisciplinary Integration	ı III	433301	Educational Measurement a	nd
			3(3-0-6)		Evaluation	3(3-0-6)
	Elective	Courses	4 credits	434301	Introduction to Educational	
		A minimum requirement	for elective		Research	2(2-0-4)
courses is 4 credits. Students can select from			select from	3. Are	ea of Concentration Course	s 54 credits
General Education Courses which are offered in			re offered in		Basic Required Courses	30 credits
	other fa	culties by General Educati	ion Courses	302111	Calculus I	3(3-0-6)
	Manual	(2002), Burapha University.		302112	Calculus II	3(3-0-6)
	2. Pro	ofessional Teaching Courses	40 credits	303101	Chemistry I	3(3-0-6)
	401472	Professional Principle	2(2-0-4)	303102	Chemistry II	3(3-0-6)
	402171	Principle and Concepts of F		303103	Chemistry Laboratory	1(0-3-0)
			3(3-0-6)	306101	General Biology I	3(3-0-6)
	404201	General Methods of Teachi	_	306102	General Biology Laboratory	y I 1(0-3-0)
			3(3-0-6)	306103	General Biology IÌ	3(3-0-6)
	404301	Principle of Curriculum		308101	Introductory Physics I	3(3-0-6)
		Development and Curriculu		308102	Introductory Physics II	3(3-0-6)
						_
		Administration	2(2-0-4)	308103	Introductory Physics Labor	atory I
	404351	Administration Professional Experience	2(2-0-4) 2(1-2-3)	308103	Introductory Physics Labor	atory I 1(0-3-0)

	Major Required Courses	20 credits	Thailand and abroad to complete the graduation
301491	Scientific Projects	1(0-2-1)	requirement.
303220	Organic Chemistry	3(3-0-6)	
303221	Organic Chemistry Laborate	огу	Bachelor of Education Program in
		1(0-3-0)	5
303230	Physical Chemistry	3(3-0-6)	Early Childhood Education
303231	Physical Chemistry Laborat	ory	Courses Structure
		1(0-3-0)	Students are required to take a
303241	Inorganic Chemistry I	3(3-0-6)	minimum of 130 credits from the following
303250	Analytical Chemistry	3(3-0-6)	sections:
303251	Analytical Chemistry Labor	ratory	1. General Education Courses
		1(0-3-0)	30 credits
316201	General Biochemistry	3(3-0-6)	Required Courses 26 credits
316221	General Biochemistry Labo	ratory	- English Group 12 credits
	•	1(0-3-0)	- Thai Group 2 credits
	Major Elective Courses	4 credits	- Information Technology Group
303471	Chemical Literature	2(2-0-4)	3 credits
303474	Polymer Chemistry	2(2-0-4)	- Interdisciplinary Integration
303475	Environmental Chemistry	2(2-0-4)	Group 9 credits
303477	Cosmetic Chemistry	2(2-0-4)	Elective Courses 4 credits
303479	Rubber Technology	2(2-0-4)	2. Professional Teaching Courses
311301	Introductory Food Science	• •	40 credits
	Technology	2(2-0-4)	3. Area of Concentration Courses
311302	General Food Chemistry	2(2-0-4)	54 credits
316311	Biochemistry I	3(3-0-6)	- Major Required Courses
316453	Biopolymer	2(2-0-4)	43 credits
	e Elective Courses	6 credits	-Major Elective Courses 11 credits
	Students may take at least 6		4. Free Elective Courses 6 credits

free elective credits from courses provided at Burapha University or other universities both in

1. Ger	neral Education Courses	30 credits		Interdisciplinary Integration	ı Group
Required Courses		26 credits			9 credits
	English Group	12 credits	999101	Interdisciplinary Integration	I
Basic Eng	glish	6 credits			3(3-0-6)
212101	English I	3(3-0-6)	999102	Interdisciplinary Integration	II
212102	English II	3(3-0-6)			3(3-0-6)
212103	English III	3 3-0-6)	999103	Interdisciplinary Integration	III
212104	English IV	3(3-0-6)			3(3-0-6)
Profession	nal English	6 credits	Elective	Courses	4 credits
212201	English for Humanities and			A minimum requirement	for elective
	Social Sciences I	3(2-2-5)	courses	is 4 credits. Students can	select from
212202	English for Humanities and		General	Education Courses which ar	e offered in
	Social Sciences II	3(2-2-5)	other fa	culties by General Educati	on Courses
212203	English for Health Sciences	I	Manual	(2002), Burapha University.	
•		3(2-2-5)	2. Pro	fessional Teaching Courses	40 credits
212204	English for Health Sciences	II	401472	Professional Principle	2(2-0-4)
		3(2-2-5)	402171	Principle and Concepts of E	ducation
212205	English for Science and				3(3-0-6)
	Technology I	3(2-2-5)	404201	General Methods of Teachir	ıg
212206	English for Science and				3(3-0-6)
	Technology II	3(2-2-5)	404301	Principle of Curriculum	
212207	English Communicative Spo	eaking		Development and Curriculus	m
		3(2-2-5)		Administration	2(2-0-4)
212208	English Writing Skills	3(3-0-6)	404351	Professional Experience	2(1-2-3)
	Thai Group	2 credits	404401	Integrated Curriculum and	Instruction
208101	Thai Language Skills	2(2-0-4)		of Specific Subject	2(2-0-4)
	Information Technology Gro	-	404451	Practicum in Curriculum De	velopment
		3 credits			2(1-2-3)
310101	Computer and the Internet	3(2-2-5)	404452	Student Teaching	6(0-30-0)
			414301	Guidance for Life	2(2-0-4)
			415301	Education Psychology	2(2-0-4)

423301	Instructional Technology	2(2-0-4)	405303	Language Experiences for Y	Young
423303	Computer in Education	3(2-2-5)		Children	3(3-0-6)
430216	Education Organization and	1	405306	Mathematics Experiences for	or
	Management	2(2-0-4)		Young Children	3(3-0-6)
430234	Quality Assurance	2(2-0-4)	405307	Science Experiences for Yo	ung
433301	Educational Measurement a	nd		Children	3(3-0-6)
	Evaluation	3(3-0-6)	405308	Assessment in Early Childh	ood
434301	Introduction to Educational	Research		Education	3(3-0-6)
		2(2-0-4)	405351	Field Experiences for Early	Childhood
3. Are	a of Concentration Courses	54 credits		Teacher III	1(0-3-0)
	Major Required Courses	43 credits	405401	Inclusion in Early Childhoo	d
405101	Early Childhood Developme	ent		Education Inclusion in Early	у
		3(3-0-6)		Childhood Education	2(2-0-4)
405102	Behavioral Study in Young		405402	Education for Parents	2(2-0-4)
	Children	3(3-0-6)		Major Elective Courses	11 credits
405151	Field Experiences for Early		405205	Storytelling for Young Chil	dren
	Childhood Teacher I	1(0-3-0)			2(2-0-4)
405201	Physical Development of		405206	Play for Young Children	3(3-0-6)
	Young Children	3(3-0-6)	405207	Emergent Literacy	3(3-0-6)
405202	Social and Emotional Devel	opment	405210	Designing Environments an	ď
	for Young Children	3(3-0-6)		Instructional Media for You	ing
405203	Enhancement to Creative Th	ninking		Children	3(3-0-6)
	for Young Children	3(3-0-6)	405211	Play and Puppet Show for Y	oung
405204	Early Childhood Education	3(3-0-6)		Children	2(2-0-4)
405208	Art Experiences for Young	Children	405301	Development and Implemen	ntation
		3(3-0-6)		in Early Childhood	
405209	Thai Culture and Wisdom for	or		Curriculum	3(3-0-6)
	Early Childhood Education	3(3-0-6)	405302	Rhythm and Movement Exp	perience
405251	Field Experiences for Early			for Young Children	3(3-0-6)
	Childhood Teacher II	1(0-3-0)	405304	Music and Drama Experience	ces
				for Young Children	3(3-0-6)

405305	Literature for Young Children	en	Bachel
		3(3-0-6)	3
405309	Professional Competency		Courses S
	Development in Early Child	lhood	S
	Education	3(3-0-6)	minimum
405310	Children Right Advocacy	2(2-0-4)	sections:
405311	Childhood Educational Inno	ovation	1
	and Technology	3(3-0-6)	·
405403	Administration and Manage	ement	
	in Early Childhood		
	Education	2(2-0-4)	
405404	Young Children Life Skill a	and	
	Life Quality Enhancement	2(2-0-4)	
405471	Seminar in Early Childhood	i	
	Education	2(2-0-4)	
405491	Independent Study in Early	Childhood	
	Education	3(3-0-6)	,
4. Fr	ee Elective Courses	6 credits	•
	Students may take at least 6	credits as	
free ele	ective credits from courses	provided at	•
Burapha	a University or other univers	sities both in	
Thailan	d and abroad to complete th	e graduation	
require	nent.		

lor of Education Program in **Educational Technology**

Structure

Students are required to take a of 130 credits from the following

1. General Education Courses

30 credits

Required Courses 26 credits

12 credits - English Group

- Thai Group 2 credits

- Information Technology

3 credits Group

- Interdisciplinary Integration

9 credits Group

4 credits **Elective Courses**

Professional Teaching Courses

40 credits

Area of Concentration Courses

54 credits

- Non-Minor Courses 54 credits

Major Required Courses

39 credits

Major Elective Courses

15 credits

- Plus Minor Courses 36 credits

Major Required Courses

30 credits

Major Elective Courses

6 credits

	- Minor Courses	18 credits		Interdisciplinary Integratio	n Group
	4. Free Elective Courses	6 credits			9 credits
1. Ge	neral Education Courses	30 credits	999101	Interdisciplinary Integration	n I
Require	ed Courses	26 credits			3(3-0-6)
	English Group	12 credits	999102	Interdisciplinary Integration	n II
Basic En	glish	6 credits			3(3-0-6)
212101	English I	3(3-0-6)	999103	Interdisciplinary Integration	n III
212102	English II	3(3-0-6)			3(3-0-6)
212103	English III	3 3-0-6)	Elective	e Courses	4 credits
212104	English IV	3(3-0-6)		A minimum requirement	for elective
Professio	nal English	6 credits	courses	is 4 credits. Students can	select from
212201	English for Humanities and	1	General	Education Courses which ar	e offered in
	Social Sciences I	3(2-2-5)	other fa	aculties by General Educati	ion Courses
212202	English for Humanities and	l	Manual	(2002), Burapha University.	
	Social Sciences II	3(2-2-5)	2. Pro	ofessional Teaching Courses	40 credits
212203	English for Health Sciences	s I		Required Courses	32 credits
		3(2-2-5)	401472	Professional Principle	2(2-0-4)
212204	English for Health Sciences	s II	402171	Principle and Concepts of E	ducation
		3(2-2-5)			3(3-0-6)
212205	English for Science and Tec	chnology I	404201	General Methods of Teachin	ng
		3(2-2-5)			3(3-0-6)
212206	English for Science and Tec	chnology II	404301	Principle of Curriculum D	Development
		3(2-2-5)		and Curriculum Administrat	tion
212207	English Communicative Sp	eaking			2(2-0-4)
		3(2-2-5)	404401	Integrated Curriculum and	Instruction
212208	English Writing Skills	3(3-0-6)		of Specific Subject	2(2-0-4)
	Thai Group	2 credits	404451	Practicum in Curriculum De	evelopment
208101	Thai Language Skills	2(2-0-4)			2(1-2-3)
	Information Technology Gr	-	414301	Guidance for Life	2(2-0-4)
		3 credits	415301	Education Psychology	2(2-0-4)
310101	Computer and the Internet	3(2-2-5)	423301	Instructional Technology	2(2-0-4)

423303	Computer in Education	3(2-2-5)	423304	Technology of Human Reso	ources
430216	Education Organization and			Development	3(3-0-6)
	Management	2(2-0-4)	423305	Educational Technology Ev	aluation
430234	Quality Assurance	2(2-0-4)			3(3-0-6)
433301	Educational Measurement a	nd	423350	Educational Technology and	d
	Evaluation	3(3-0-6)		Communication Equipment	
434301	Introduction to Educational			Operation	3(2-2-5)
	Research	2(2-0-4)	423352	Computer Application in Ec	ducation
	Elective Courses	8 credits			3(2-2-5)
404351	Professional Experience	2(1-2-3)	423401	Management of Educationa	l Resources
423351	Professional Experience in				3(3-0-6)
	Educational Technology		423450	Integrated Activities in Edu	cational
	and Communications	2(1-2-3)		Technology	3(2-2-5)
404452	Student Teaching	6(0-30-0)	423471	Seminar in Educational Tec	hnology
423451	Practicum in Education				3(2-2-5)
	Technology and Communic	cation	Major E	lective Courses	15 credits
	Technology and Communic	eation 6(0-30-0)	Major E	Students can select at least	
3. Are		6(0-30-0)	-		st 15 credits
3. Are	Profession	6(0-30-0)	-	Students can select at lease major elective courses,	st 15 credits
	Profession ea of Concentration Course	6(0-30-0) s 54 credits	from th	Students can select at lease major elective courses,	st 15 credits except these
Major R	Profession ea of Concentration Course Non-Minor Courses equired Courses	6(0-30-0) s 54 credits 54 credits 39 credits	from th	Students can select at lease major elective courses, o	st 15 credits except these
Major R	Profession ea of Concentration Course Non-Minor Courses equired Courses	6(0-30-0) s 54 credits 54 credits 39 credits	from th	Students can select at lease major elective courses, o	st 15 credits except these
Major R	Profession ea of Concentration Course Non-Minor Courses equired Courses	6(0-30-0) s 54 credits 54 credits 39 credits gn 3(3-0-6) 3(3-0-6)	from th subjects 423200	Students can select at lease major elective courses, of the major election and the major election electi	st 15 credits except these gn 3(3-0-6) 3(3-0-6)
Major R 423200	Profession ea of Concentration Course Non-Minor Courses equired Courses Instructional Message Desi Instructional Design Graphics for Education	6(0-30-0) s 54 credits 54 credits 39 credits gn 3(3-0-6) 3(3-0-6)	from th subjects 423200	Students can select at lease major elective courses, of the major elective courses, of the major elective courses, of the major election structional Message Designation	st 15 credits except these gn 3(3-0-6) 3(3-0-6)
Major R 423200 423201	Profession ea of Concentration Course Non-Minor Courses equired Courses Instructional Message Desi	6(0-30-0) s 54 credits 54 credits 39 credits gn 3(3-0-6) 3(3-0-6) ction	from th subjects 423200	Students can select at lease major elective courses, of the major elective courses, of the major elective courses, of the major election structional Message Designation	st 15 credits except these gn 3(3-0-6) 3(3-0-6) chnology
Major R 423200 423201 423202	Profession ea of Concentration Course Non-Minor Courses equired Courses Instructional Message Desi Instructional Design Graphics for Education Language for Media Produc	6(0-30-0) s 54 credits 54 credits 39 credits gn 3(3-0-6) 3(3-0-6) etion 3(3-0-6)	from th subjects. 423200 423203 423471	Students can select at least emajor elective courses, or instructional Message Desi Graphics for Education Seminar in Educational Technology	st 15 credits except these gn 3(3-0-6) 3(3-0-6) chnology 3(2-2-5)
Major R 423200 423201 423202	Profession ea of Concentration Course Non-Minor Courses equired Courses Instructional Message Desi Instructional Design Graphics for Education	6(0-30-0) s 54 credits 54 credits 39 credits gn 3(3-0-6) 3(3-0-6) etion 3(3-0-6) opment	from th subjects 423200 423203 423471 Major R 423201	Students can select at lease major elective courses, or instructional Message Desi Graphics for Education Seminar in Educational Technology Plus Minor Courses equired Courses Instructional Design	gn 3(3-0-6) 3(3-0-6) chnology 3(2-2-5) 36 credits 30 credits 3(3-0-6)
Major R 423200 423201 423202 423203	Profession ea of Concentration Course Non-Minor Courses equired Courses Instructional Message Desi Instructional Design Graphics for Education Language for Media Production Research and Media Develo	6(0-30-0) s 54 credits 54 credits 39 credits gn 3(3-0-6) 3(3-0-6) etion 3(3-0-6) opment 3(3-0-6)	from th subjects. 423200 423203 423471 Major R	Students can select at lease major elective courses, or instructional Message Desi Graphics for Education Seminar in Educational Technology Plus Minor Courses equired Courses Instructional Design Graphics for Education	gn 3(3-0-6) 3(3-0-6) chnology 3(2-2-5) 36 credits 30 credits 3(3-0-6) 3(3-0-6)
Major R 423200 423201 423202 423203	Profession ea of Concentration Course Non-Minor Courses equired Courses Instructional Message Desi Instructional Design Graphics for Education Language for Media Produc	6(0-30-0) s 54 credits 54 credits 39 credits gn 3(3-0-6) 3(3-0-6) etion 3(3-0-6) opment 3(3-0-6)	from th subjects 423200 423203 423471 Major R 423201	Students can select at lease major elective courses, or Instructional Message Desi Graphics for Education Seminar in Educational Technology Plus Minor Courses equired Courses Instructional Design Graphics for Education	gn 3(3-0-6) 3(3-0-6) chnology 3(2-2-5) 36 credits 30 credits 3(3-0-6) 3(3-0-6)

423205	Electronics for Instruction	al Media	423418	Systems Thinking Skill an	d
		3(3-0-6)		Educational Technology as	nd
423304	Technology of Human Re	sources		Communication Tasks	3(3-0-6)
	Development	3(3-0-6)	423471	Seminar in Education Tech	nology
423305	Educational Technology E	valuation			3(2-2-5)
		3(3-0-6)	423490	Educational Technology T	
423350	Educational Technology as	nd			3(2-2-5)
	Communication Equipment	ıt	Still Pic	tures and Motion Pictures	
	Operation	3(2-2-5)	423207	Technology in Photography	y 3(3-0-6)
423352	Computer Application in E	ducation	423353	Still Pictures Photography	3(2-2-5)
		3(2-2-5)	423354	Still Pictures Photography	II 3(2-2-5)
423401	Management of Educations	al Resources	423355	Still Pictures Photography 1	III
		3(3-0-6)			3(2-2-5)
423450	Integrated Activities in	Educational	423356	Still Pictures Photography I	v
	Technology	3(2-2-5)			3(2-2-5)
Major E	lective Courses	6 credits	423357	Photography for Communic	ation
General	Elective Courses				3(2-2-5)
423200	Instructional Message Desi	gn	423404	Motion Picture Production	3(2-2-5)
		3(3-0-6)	Radio an	d Television Broadcasting	
423203	Graphics for Education	3(3-0-6)	423307	The Mass Media and Educa	tion
423206	Educational Technology an	d			3(3-0-6)
	Innovation	3(3-0-6)	423308	Introduction to Broadcasting	g 3(3-0-6)
423302	Information Technology	2(2-0-4)	423309	Video Production I	3(2-2-5)
423340	Courseware Production	on for	423358	Radio Broadcasting Program	n and
	Teleconferencing System	3(2-2-5)		Electronic Media Production	ı I
423402	Educational Technology Lo	cal Wisdom			3(2-2-5)
		3(3-0-6)	423359	Radio Broadcasting Program	and
423403	Law for Educational Techno	ology and		Electronic Media Production	ı II
	Communication	3(3-0-6)			3(2-2-5)
402400					
423409	AV System Design and Util	ization	423360	Practicum in Radio Broadcas	sting

423361	Video Production II	3(2-2-5)	423455	Practicum in Public Relation	ns
423405	Graphics for Video Product	tion			3(0-9-0)
		3(3-0-6)	423491	Public Opinion Survey	2(1-2-3)
423406	Webcasting I	3(2-2-5)	Printed	Material	
423407	Telecommunication System	n for	423208	Technology in Printed Mate	erial
	Education	3(3-0-6)			3(3-0-6)
423410	Law and Ethics for Radio a	nd	423314	Editing for Printed Material	ls 2(2-0-4)
	Television Broadcasting	2(2-0-4)	423315	Promotion and Publicity for	r Printed
423411	Radio and Television Broad	deasting		Materials	2(2-0-4)
	Administration	2(2-0-4)	423316	Design and Illustration for	Printed
423452	Practicum in Video Product	tion		Materials '	2(2-0-4)
		3(0-9-0)	423364	Printed Materials Production	n 3(2-2-5)
423453	Webcasting II	1(0-3-0)	423414	Law and Ethics for Printed	Materials
Advertis	ing and Public Relations				2(2-0-4)
423306	Advertising and Public Rela	ations	423415	Printed Material Administra	ation
		3(3-0-6)			2(2-0-4)
423310	Principles and Theories of		423454	Desktop Publishing Produc	tion
	Communications	2(2-0-4)			3(2-2-5)
423311	Public Relations Planning	2(2-0-4)	423456	Practicum in Printed Materi	als
423312	Advertising Business	2(2-0-4)		Production	3(0-9-0)
423313	Advertising and Public Rela	ntions	Training	3	
	Evaluation	2(1-2-3)	423317	Human Behavioral and Lea	rning in
423362	Public Relations Media Pro	duction		Training	3(3-0-6)
		3(2-2-5)	423318	Survey and Analysis of Tra	ining Needs
423363	Creation and Production of				3(2-2-5)
	Advertising Media	3(2-2-5)	423320	Evaluation and Follow-up T	raining
423412	Law and Ethics for Advertis	sing and			3(3-0-6)
	Public Relations	2(2-0-4)	423321	Preparation of Being Resou	rce Person
423413	Advertising and Public Rela	tions		for Training	3(2-2-5)
	Administration	2(2-0-4)	423322	Training Techniques	3(2-2-5)

423323	Training Project Manageme	ent	423333	Artificial Intelligence and I	Education
		3(2-2-5)			3(2-2-5)
423337	Human Resources Develope	ment	423334	Web Authoring	3(2-2-5)
	1 : HRD 1	3(2-2-5)	423335	Data Communication in Ed	ucation
423338	Human Resources Develop	ment			3(2-2-5)
	2: HRD 2	3(2-2-5)	423336	Data Based Design of Elect	tronic
423341	Training Project and Acade	mic Content		Resource in Education	3(2-2-5)
		3(2-2-5)	423417	Network Systems Administ	tration
423408	Field Trip Educational	2(1-2-3)			3(3-0-6)
423416	Training for Industrial Busi	ness	423458	Practicum in Network Syste	ems
		3(3-0-6)		Administration	3(0-9-0)
423457	Practicum in Training	3(0-9-0)		Minor Courses	18 credits
423459	Human Resources Develop	ment		Students can select other	minor from
	3: HRD 3	3(2-2-5)	other fac	culties in Burapha University	on approval
Compute	er for Education		of the H	ead of Department.	
423324	Computer in Educational Te	echnology	4. Fre	e Elective Courses	6 credits
423324	Computer in Educational Te	echnology 3(2-2-5)	4. Fre	e Elective Courses Students may take at least 6	
423324 423325		3(2-2-5)			5 credits as
	·	3(2-2-5)	free ele	Students may take at least 6	o credits as
	·	3(2-2-5) ion 3(2-2-5)	free ele Burapha	Students may take at least 6 ctive credits from courses	o credits as provided at sities both in
423325	Computer Assisted Instructi	3(2-2-5) ion 3(2-2-5)	free ele Burapha	Students may take at least of ctive credits from courses. University or other university and abroad to complete the	o credits as provided at sities both in
423325	Computer Assisted Instruction Programming Language in	3(2-2-5) ion 3(2-2-5) Education	free ele Burapha Thailand	Students may take at least of ctive credits from courses. University or other university and abroad to complete the	o credits as provided at sities both in
423325 423326 423327	Computer Assisted Instruction Programming Language in	3(2-2-5) ion 3(2-2-5) Education 3(2-2-5)	free ele Burapha Thailand	Students may take at least of ctive credits from courses. University or other university and abroad to complete the	o credits as provided at sities both in
423325 423326 423327	Computer Assisted Instruction Programming Language in Authoring System	3(2-2-5) ion 3(2-2-5) Education 3(2-2-5) 3(2-2-5)	free ele Burapha Thailand	Students may take at least of ctive credits from courses. University or other university and abroad to complete the	o credits as provided at sities both in
423325 423326 423327	Computer Assisted Instruction Programming Language in Authoring System Using Computer in School	3(2-2-5) ion 3(2-2-5) Education 3(2-2-5) 3(2-2-5)	free ele Burapha Thailand	Students may take at least of ctive credits from courses. University or other university and abroad to complete the	o credits as provided at sities both in
423325 423326 423327	Computer Assisted Instruction Programming Language in Authoring System Using Computer in School	3(2-2-5) ion 3(2-2-5) Education 3(2-2-5) 3(2-2-5)	free ele Burapha Thailand	Students may take at least of ctive credits from courses. University or other university and abroad to complete the	o credits as provided at sities both in
423325 423326 423327 423328	Computer Assisted Instruction Programming Language in Authoring System Using Computer in School Administration and Manage	3(2-2-5) ion 3(2-2-5) Education 3(2-2-5) 3(2-2-5) ement 3(2-2-5)	free ele Burapha Thailand	Students may take at least of ctive credits from courses. University or other university and abroad to complete the	o credits as provided at sities both in
423325 423326 423327 423328 423329	Computer Assisted Instruction Programming Language in Authoring System Using Computer in School Administration and Manage Computer Graphics	3(2-2-5) ion 3(2-2-5) Education 3(2-2-5) 3(2-2-5) ement 3(2-2-5) 3(2-2-5) 3(2-2-5)	free ele Burapha Thailand	Students may take at least of ctive credits from courses. University or other university and abroad to complete the	o credits as provided at sities both in
423325 423326 423327 423328 423329 423330	Computer Assisted Instruction Programming Language in Authoring System Using Computer in School Administration and Manage Computer Graphics Computer Multimedia	3(2-2-5) ion 3(2-2-5) Education 3(2-2-5) 3(2-2-5) ement 3(2-2-5) 3(2-2-5) 3(2-2-5)	free ele Burapha Thailand	Students may take at least of ctive credits from courses. University or other university and abroad to complete the	o credits as provided at sities both in
423325 423326 423327 423328 423329 423330	Computer Assisted Instruction Programming Language in Authoring System Using Computer in School Administration and Manage Computer Graphics Computer Multimedia	3(2-2-5) ion 3(2-2-5) Education 3(2-2-5) 3(2-2-5) ement 3(2-2-5) 3(2-2-5) 3(2-2-5)	free ele Burapha Thailand	Students may take at least of ctive credits from courses. University or other university and abroad to complete the	o credits as provided at sities both in

Bac	helo	r of Education Pro	gram in	Professi	onal English	6 credits
	E	lementary Educatio	n	212201	English for Humanities and	d
Course		•			Social Sciences I	3(2-2-5)
		idents are required	to take a	212202	English for Humanities and	d
minimu		f 129 credits from the			Social Sciences II	3(2-2-5)
sections			ionowing	212203	English for Health Science	s I
	1.	General Education Co	urses			3(2-2-5)
			30 credits	212204	English for Health Science	s II
		Required Courses	26 credits			3(2-2-5)
		- English Group	12 credits	212205	English for Science and	
		- Thai Group	2 credits		Technology I	3(2-2-5)
		- Information Technol		212206	English for Science and	
			3 credits		Technology II	3(2-2-5)
		- Interdisciplinary Inte		212207	English Communicative Sp	eaking
		Group	9 credits			3(2-2-5)
		Elective Courses	4 credits	212208	English Writing Skills	3(3-0-6)
	2.	Professional Teaching			Thai Group	2 credits
		Trotossional Teaching	40 credits	208101	Thai Language Skills	2(2-0-4)
	3.	Area of Concentration			Information Technology Gr	oup
	٥.	THOSE OF CONCOMINATION	53 credits			3 credits
		- Major Courses	35 credits	310101	Computer and the Internet	3(2-2-5)
		- Minor Courses	18 credits		Interdisciplinary Integration	n Group
	4.	Free Elective Courses				9 credits
1. Ger	neral	Education Courses	30 credits	999101	Interdisciplinary Integration	ıI
Require			26 credits			3(3-0-6)
		lish Group	12 credits	999102	Interdisciplinary Integration	
Basic Eng	_	, .	6 credits			3(3-0-6)
212101	Eng	lish I	3(3-0-6)	999103	Interdisciplinary Integration	
212102	Eng	lish II	3(3-0-6)			3(3-0-6)
212103	Eng	lish III	3 3-0-6)			
212104	Eng	lish IV	3(3-0-6)			
	_					

Elective	Courses	4 credits	434301	Introduction to Educational	Research
	A minimum requirement	for elective			2(2-0-4)
courses	is 4 credits. Students can	select from	3. Are	ea of Concentration Course	s 53 credits
General	Education Courses which a	re offered in		Major Courses	35 credits
other fa	culties by General Educat	ion Courses	Major Ro	equired Courses	27 credits
Manual	(2002), Burapha University.		406205	Curriculum and Instruction	of Thai
2. Pro	ofessional Teaching Courses	40 credits		Language Arts	3(3-0-6)
401472	Professional Principle	2(2-0-4)	406206	Curriculum and Instruction	of
402171	Principle and Concepts of E	Education		Mathematics	3(3-0-6)
	ı	3(3-0-6)	406305	Curriculum and Instruction	
404201	General Methods of Teachi	ng		of Science	3(3-0-6)
		3(3-0-6)	406306	Curriculum and Instruction	of
404301	Principle of Curriculum			Social Studies Religion and	
	Development and Curriculu	ım		Culture	3(3-0-6)
	Administration	2(2-0-4)	406307	Curriculum and Instruction	of
404351	Professional Experience	2(1-2-3)		Health and Physical Educat	ion
404401	Integrated Curriculum and	, ,			3(3-0-6)
	Instruction of Specific Subj	ect	406404	Curriculum and Instruction	of
		2(2-0-4)		Art Education	3(3-0-6)
404451	Practicum in Curriculum		406405	Curriculum and Instruction	of
	Development	2(1-2-3)		Work Experience and Techn	nology
404452	Student Teaching	6(0-30-0)			3(3-0-6)
414301	Guidance for Life	2(2-0-4)	406406	Curriculum and Instruction	of
415301	Education Psychology	2(2-0-4)		Foreign Language	3(3-0-6)
423301	Instructional Technology	2(2-0-4)	406407	Curriculum and Instruction	of
423303	Computer in Education	3(2-2-5)		Student Activities for Stude	ent
430216	Education Organization and	i		Competency	3(3-0-6)
	Management	2(2-0-4)	Major El	ective Courses	8 credits
430234	Quality Assurance	2(2-0-4)	406201	Thai Language Art for	
433301	Educational Measurement a	and		Elementary School Teacher	2(2-0-4)
	Evaluation	3(3-0-6)	406202	Mathematics for Elementary	у
				School Teacher	2(2-0-4)

			10.0010		
406203	Science for Elementary Sch		406312	Discipline and Classroom	
	Teacher	2(2-0-4)		Management for Elementar	y
406204	Social Studies Religion and			School Teacher	2(2-0-4)
	Culture for Elementary Sch	ool	406313	Child Study	2(2-0-4)
	Teacher 2(2-0-4)		406314	Drama for Elementary Scho	ol
406207	Education for Special Child	2(2-0-4)		Teacher	2(2-0-4)
406208	Information Management fo	or	406371	Seminar in Elementary Edu	cation
	Elementary School	2(2-0-4)			2(2-0-4)
406209	Classroom Research for		406401	Experience in Local Career	2(2-0-4)
	Elementary School Teacher	2(2-0-4)	406402	English for Elementary Sch	ool
406211	Value Teaching	2(2-0-4)		Teachers	2(2-0-4)
406212	Reading Teaching	2(2-0-4)	406403	Student Activities for Eleme	entary
406213	Media for Elementary School	ol		School Teacher	2(2-0-4)
	Teacher	2(2-0-4)	406408	Local Study	2(2-0-4)
406214	National Resources and		406409	Creative Activities	2(2-0-4)
	Environment for Elementary	7	406411	Children and Literature	2(2-0-4)
	School Teacher	2(2-0-4)	406412	Leadership Training and Yo	uth
406301	Health and Physical Educati	on for		Activities	2(1-2-3)
	Elementary School Teacher	2(2-0-4)	406413	Speech Problems and Corre	etion
406302	Art for Elementary School 7	Teacher		of Elementary School	
		2(2-0-4)		Students	2(2-0-4)
406303	Music for Elementary School	ol	406414	Principles of Nutrition for	
	Teacher	2(2-0-4)		Elementary School Teachers	3 2(2-0-4)
406304	Thai Classical Dance for		406415	Scientific Materials for Elen	nentary
	Elementary School Teacher	2(2-0-4)		School Teacher	
406308	Thai Culture Study	2(2-0-4)	406491	Independent Study	2(2-0-4)
406309	Project Teaching	2(2-0-4)		Minor Courses	18 credits
406311	Creative Writing in the			Students can select other i	ninor from
	Elementary School	2(2-0-4)	other fac	ulties in Burapha University	on approval
			of the He	ead of Department.	

Free Elective Courses 6 credits 4. Free Elective Courses 6 credits 1. General Education Courses 30 credits Students may take at least 6 credits as free elective credits from courses provided at Required Courses 26 credits 12 credits Burapha University or other universities both in **English Group** Basic English 6 credits Thailand and abroad to complete the graduation 212101 English I 3(3-0-6) requirement. 212102 English II 3(3-0-6) 212103 English III 3 3-0-6) Bachelor of Education Program in 212104 English IV 3(3-0-6) English Professional English 6 credits Courses Structure 212201 English for Humanities and Students are required to take a Social Sciences I 3(2-2-5)minimum of 130 credits from the following 212202 English for Humanities and sections: Social Sciences II 3(2-2-5)General Education Courses 212203 English for Health Sciences I 30 credits 3(2-2-5) 26 credits Required Courses 212204 English for Health Sciences II - English Group 12 credits 3(2-2-5)- Thai Group 2 credits 212205 English for Science and - Information Technology Group Technology I 3(2-2-5)3 credits 212206 English for Science and - Interdisciplinary Integration Technology II 3(2-2-5) 9 credits Group 212207 English Communicative Speaking Elective Courses 4 credits 3(2-2-5) Professional Teaching Courses 212208 **English Writing Skills** 3(3-0-6) 40 credits Thai Group 2 credits Area of Concentration Courses 3. 208101 Thai Language Skills 2(2-0-4) 54 credits Information Technology Group - Major Required Courses 3 credits

- Major Elective Courses

19 credits

35 credits

310101 Computer and the Internet 3(2-2-5)

	T . T . T . T . A	G	422201	Instructional Taskuslam.	2(2.0.4)
	Interdisciplinary Integration		423301	Instructional Technology	2(2-0-4)
		9 credits	423303	Computer in Education	3(2-2-5)
999101	Interdisciplinary Integration		430216	Education Organization and	
		3(3-0-6)		Management	2(2-0-4)
999102	Interdisciplinary Integration	II	430234	Quality Assurance	2(2-0-4)
		3(3-0-6)	433301	Educational Measurement	
999103	Interdisciplinary Integration	III		and Evaluation	3(3-0-6)
		3(3-0-6)	434301	Introduction to Educational	Research
Elective	Courses	4 credits			2(2-0-4)
	A minimum requirement	for elective	3. Are	ea of Concentration Course	s 54 credits
courses	is 4 credits. Students can	select from		Major Required Courses	35 credits
General l	Education Courses which are	e offered in	212211	Reading Techniques	3(3-0-6)
other fac	culties by General Education	on Courses	212212	Analytical Reading	2(2-0-4)
Manual (2002), Burapha University.		212221	Writing I	2(2-0-4)
2. Prof	fessional Teaching Courses	40 credits	212222	Writing II	2(2-0-4)
401472	Professional Principle	2(2-0-4)	212231	Oral English I	2(1-2-3)
402171	Principle and Concepts of E	ducation	212232	Oral English II	2(1-2-3)
		3(3-0-6)	212241	Background to English Lan	guage
404201	General Methods of Teachin	ng		and Culture	2(2-0-4)
	,	3(3-0-6)	212242	The Novel and the Short Sto	ory
404301	Principle of Curriculum				2(2-0-4)
	Development and Curriculum	m	212281	English Phonology	2(1-2-2)
	Administration	2(2-0-4)	212313	Critical Reading	2(2-0-4)
404351	Professional Experience	2(1-2-3)	212323	Essay Writing	2(2-0-4)
404401	Integrated Curriculum and	Instruction	212324	Summary Writing	2(2-0-4)
	of Specific Subject	2(2-0-4)	212333	Oral English III	2(1-2-3)
404451	Practicum in Curriculum		212351	Introduction to Poetry	2(2-0-4)
	Development	2(1-2-3)	212361	Basic Translation	2(2-0-4)
404452	Student Teaching	6(0-30-0)	212382	English Syntax	2(2-0-4)
414301	Guidance for Life	2(2-0-4)	212483	Contrastive Analysis of Eng	glish
415301	Education Psychology	2(2-0-4)		and Thai	2(2-0-4)

	Major Elective Courses	19 credits	21249	8	Advance	d Language Skills f	or
212334	Oral Presentation	2(1-2-3)			Graduate	Studies	2(1-2-3)
212343	The English and American	Novel	4. F	ree	Elective	Courses	6 credits
		2(2-0-4)			Students	may take at least 6	credits as
212344	Contemporary Literature	2(2-0-4)	free e	lect	ive cred	its from courses	provided at
212352	Drama	3(3-0-6)	Burapl	ha I	Universit	y or other universi	ties both in
212362	Translation I	2(2-0-4)	Thaila	nd	and abro	ad to complete the	graduation
212371	Business English	2(2-0-4)	require	eme	ent.		
212372	Business for Workplace	2(1-2-3)					
212373	English for Hotel	2(1-2-3)	Bac	che	lor of	Education Prog	gram in
212374	English for Tourism Industry	y	L	ibr	ary and	I Information S	cience
		2(1-2-3)	Cours	es S	Structure	:	
212375	English for Domestic Touris	sm			Students		o take a
		2(1-2-3)	minim	um	of 132	credits from the	
212376	English for Information Tec	hnology	section				
		2(1-2-3)			1. Gen	eral Education Cou	rses
212392	Cross Cultural Experience	3(3-0-6)					30 credits
212425	Research Paper	2(2-0-4)			Req	uired Courses	26 credits
212426	Advanced Essay Writing	2(2-0-4)			- En	glish Group	12 credits
212427	_	2(2-0-4)			- Th	ai Group	2 credits
212435					- Inf	ormation Technolo	gy Group
212463	Translation of Non-Fiction	•					3 credits
	Translation of Fiction	2(2-0-4)			- Int	erdisciplinary Integ	gration
	English for Printed Media	2(2-0-4)			Gr	oup	9 credits
212478	English for Broadcasting Mo				Elec	tive Courses	4 credits
		2(1-2-3)			2. Prof	essional Teaching	Courses
212479	English for Advertising and						40 credits
	Relations	2(1-2-3)			3. Area	of Concentration	Courses
212493	Independent Study in Englis						56 credits
***	Language	2(0-4-2)			- Ma	ajor Courses	38 credits
212497	Seminar on Selected Topic	2(0-4-2)					

	Major Required C	ourses		Information Technology Gro	oup
		32 credits			3 credits
	Major Elective Co	urses	310101	Computer and the Internet	3(2-2-5)
		6 credits		Interdisciplinary Integration	ı Group
	- Minor Courses	18 credits			9 credits
	4. Free Elective Courses	6 credits	999101	Interdisciplinary Integration	I
1. Ger	neral Education Courses	30 credits			3(3-0-6)
Require	d Courses	26 credits	999102	Interdisciplinary Integration	II
roquiro	English Group	12 credits			3(3-0-6)
Basic Eng	<u>-</u>	6 credits	999103	Interdisciplinary Integration	III
212101	English I	3(3-0-6)			3(3-0-6)
212102	English II	3(3-0-6)	Elective	Courses	4 credits
212103	English III	3 3-0-6)		A minimum requirement	for elective
212104	English IV	3(3-0-6)	courses	is 4 credits. Students can	select from
Profession	nal English	6 credits	General	Education Courses which ar	e offered in
212201	English for Humanities and	Social	other faculties by General Education Course		
	Sciences I	3(2-2-5)	Manual	(2002), Burapha University.	
212202	English for Humanities and	Social	2. Pro	ofessional Teaching Courses	40 credits
	Sciences II	3(2-2-5)	401472	Professional Principle	2(2-0-4)
212203	English for Health Sciences	I	402171	Principle and Concepts of E	ducation
		3(2-2-5)			3(3-0-6)
212204	English for Health Sciences	II	404201	General Methods of Teachi	ng
		3(2-2-5)			3(3-0-6)
212205	English for Science and		404301	Principle of Curriculum	
	Technology I	3(2-2-5)		Development and Curriculu	ım
212206	English for Science and			Administration	2(2-0-4)
	Technology II	3(2-2-5)	404351	Professional Experience	2(1-2-3)
212207	English Communicative Sp	eaking	404401	Integrated Curriculum and	Instruction
		3(2-2-5)		of Specific Subject	2(2-0-4)
212208	English Writing Skills	3(3-0-6)	404451	Practicum in Curriculum	
	Thai Group	2 credits		Development	2(1-2-3)
208101	Thai Language Skills	2(2-0-4)			

404452	Student Teaching	6(0-30-0)	202409	Library Services and Activi	ties
414301	Guidance for Life	2(2-0-4)			2(2-0-4)
415301	Education Psychology	2(2-0-4)	202411	Introduction to Information	Technology
423301	Instructional Technology	2(2-0-4)			2(2-1-4)
423303	Computer in Education	3(2-2-5)	202413	Maintenance of Information	Materials
430216	Education Organization and	1			2(2-0-4)
	Management	2(2-0-4)	202442	Periodicals and Newspapers	3 2(2-0-4)
430234	Quality Assurance	2(2-0-4)	202491	Introduction to Practicum	1(0-5-0)
433301	Educational Measurement a	nd	202492	Practicum	5(0-15-0)
	Evaluation	3(3-0-6)	Major El	ective Courses	6 credits
434301	Introduction to Educational	Research	202316	Production of Electronic Me	edia
		2(2-0-4)			2(1-2-3)
3. Are	ea of Concentration Courses	56 credits	202331	Information Resources on	
	Major Courses	38 credits		the Internet	2(1-2-3)
Major Re	equired Courses	32 credits	202343	Information Services in the	Social
202301	Introduction to Library and	Information		Science	2(2-0-4)
	Science	2(2-0-4)	202344	Information Services in	
202311	Information Resources Deve	elopment		the Humanities	2(2-0-4)
		2(2-0-4)	202345	Information Services in the	
202312	Subject Analysis	2(2-0-4)		Sciences and Technology	2(2-0-4)
202313	Classification and Catalogin	g for	202414	Independent Study in Librar	У
	Information Resources I	2(2-0-4)		and Information Science	2(2-0-4)
202314	Classification and Catalogin	g for	202415	Printing	2(2-0-4)
	Information Resources II	2(2-0-4)	202416	Introduction to Research for	Librarians
202315	Library of Congress Classifi	cation			2(2-0-4)
		3(3-0-6)	202421	Reading Promotion	2(2-0-4)
202321	Reference Resources Service	es	202425	Story Telling	2(2-0-4)
		2(2-0-4)	202437	Learning Centers for	
202408	Teaching the Use of the Library	rary		the Community	2(2-0-4)
		3(3-0-6)	202441	Bibliographic Indexing and	
				Abstracting Services	2(2-0-4)

202446 Children's Literature	2(2-0-4)		2. Professional Teaching	Courses
	2(2-0-4)		2. Troicssional reading	40 credits
	2(2-0-4)		3. Area of Concentration	
Publication	, ,		3. Area of Concentration	54 credits
Minor Courses	18 credits		Pagia Required Cov	
Students can select other			- Basic Required Cou	27 credits
other faculties in Burapha University	on approvai	-	M. to a Proceedings of Com-	
of the Head of Department.			- Major Required Cou	
4. Free Elective Courses	6 credits			27 credits
Students may take at least 6			4. Free Elective Course	
free elective credits from courses	provided at	1. Ger	neral Education Courses	30 credits
Burapha University or other univers	sities both in	Require	ed Courses	26 credits
Thailand and abroad to complete th	e graduation		English Group	12 credits
requirement.		Basic En	glish	6 credits
		212101	English I	3(3-0-6)
Bachelor of Education Program in Mathematics Courses Structure		212102	English II	3(3-0-6)
		212103	English III	3 3-0-6)
		212104	English IV	3(3-0-6)
	to take a	Professional English		6 credits
minimum of 130 credits from th		212201	English for Humanities and	đ
sections:	ic tollowing		Social Sciences I	3(2-2-5)
General Education C	OUTCAC	212202	English for Humanities and	đ
1. General Education C	30 credits		Social Sciences II	3(2-2-5)
Required Courses	26 credits	212203	English for Health Science	es I
- English Group	12 credits			3(2-2-5)
- Thai Group	2 credits	212204	English for Health Science	s II
- Information Technol				3(2-2-5)
- information recinion	3 credits	212205	English for Science and	
Intendical mlinemy Inte		•	Technology I	3(2-2-5)
- Interdisciplinary Inte	•	212206	English for Science and	
Group	9 credits		Technology II	3(2-2-5)
Elective Courses	4 credits			
Dicetive Courses		212207	English Communicative S	peaking

212208	English Writing Skills	3(3-0-6)	404401	Integrated Curriculum and	
	Thai Group	2 credits		Instruction of Specific Subj	ect
208101	Thai Language Skills	2(2-0-4)			2(2-0-4)
	Information Technology Gr	oup	404451	Practicum in Curriculum	
		3 credits		Development	2(1-2-3)
310101	Computer and the Internet	3(2-2-5)	404452	Student Teaching	6(0-30-0)
	Interdisciplinary Integration	on Group	414301	Guidance for Life	2(2-0-4)
		9 credits	415301	Education Psychology	2(2-0-4)
999101	Interdisciplinary Integration	ı I	423301	Instructional Technology	2(2-0-4)
		3(3-0-6)	423303	Computer in Education	3(2-2-5)
999102	Interdisciplinary Integration	ı II	430216	Education Organization and	i
		3(3-0-6)		Management	2(2-0-4)
999103	Interdisciplinary Integration	ı III	430234	Quality Assurance	2(2-0-4)
		3(3-0-6)	433301	Educational Measurement a	ınd
Elective	Courses	4 credits		Evaluation	3(3-0-6)
	A minimum requirement	for election			
	A minimani requirement	for elective	434301	Introduction to Educational	Research
courses	is 4 credits. Students can		434301	Introduction to Educational	Research 2(2-0-4)
	-	select from		Introduction to Educational a of Concentration Course	2(2-0-4)
General	is 4 credits. Students can	select from			2(2-0-4)
General	is 4 credits. Students can Education Courses which at	select from		ea of Concentration Course	2(2-0-4) s 54 credits
General other fa	is 4 credits. Students can Education Courses which ar culties by General Educati	select from re offered in ion Courses	3. Are	ea of Concentration Courses Basic Required Courses	2(2-0-4) s 54 credits 27 credits
General other fa	is 4 credits. Students can Education Courses which as culties by General Educati (2002), Burapha University.	select from re offered in ion Courses	3. Are	ea of Concentration Courses Basic Required Courses Calculus I	2(2-0-4) s 54 credits 27 credits 3(3-0-6)
General other fa	is 4 credits. Students can Education Courses which at culties by General Educati (2002), Burapha University. fessional Teaching Courses	select from re offered in ion Courses	3. Are	ea of Concentration Courses Basic Required Courses Calculus I Calculus II	2(2-0-4) s 54 credits 27 credits 3(3-0-6) 3(3-0-6)
General other far Manual 2. Pro	is 4 credits. Students can Education Courses which ar culties by General Educati (2002), Burapha University. fessional Teaching Courses Professional Principle	select from re offered in ion Courses	302111 302112 303101	ea of Concentration Courses Basic Required Courses Calculus I Calculus II Chemistry I	2(2-0-4) s 54 credits 27 credits 3(3-0-6) 3(3-0-6) 3(3-0-6)
General other far Manual 2. Pro	is 4 credits. Students can Education Courses which ar culties by General Educati (2002), Burapha University. fessional Teaching Courses Professional Principle Principle and Concepts of	select from re offered in ion Courses 40 credits 2(2-0-4)	302111 302112 303101 303102	ea of Concentration Courses Basic Required Courses Calculus I Calculus II Chemistry I Chemistry II	2(2-0-4) s 54 credits 27 credits 3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)
General other fa Manual 2. Pro 401472 402171	is 4 credits. Students can Education Courses which ar culties by General Educati (2002), Burapha University. fessional Teaching Courses Professional Principle Principle and Concepts of Education	select from re offered in ion Courses 40 credits 2(2-0-4)	302111 302112 303101 303102 303103	ea of Concentration Courses Basic Required Courses Calculus I Calculus II Chemistry I Chemistry II Chemistry Laboratory	2(2-0-4) s 54 credits 27 credits 3(3-0-6) 3(3-0-6) 3(3-0-6) 1(0-3-0) 3(3-0-6)
General other fa Manual 2. Pro 401472 402171	is 4 credits. Students can Education Courses which ar culties by General Educati (2002), Burapha University. fessional Teaching Courses Professional Principle Principle and Concepts of Education	select from the offered in tion Courses 40 credits 2(2-0-4) 3(3-0-6)	302111 302112 303101 303102 303103 306101	ea of Concentration Courses Basic Required Courses Calculus I Calculus II Chemistry I Chemistry II Chemistry Laboratory General Biology I	2(2-0-4) s 54 credits 27 credits 3(3-0-6) 3(3-0-6) 3(3-0-6) 1(0-3-0) 3(3-0-6)
General other far Manual 2. Pro 401472 402171	is 4 credits. Students can Education Courses which as culties by General Educati (2002), Burapha University. fessional Teaching Courses Professional Principle Principle and Concepts of Education General Methods of Teaching	select from re offered in ion Courses 40 credits 2(2-0-4) 3(3-0-6) ng 3(3-0-6)	302111 302112 303101 303102 303103 306101	ea of Concentration Courses Basic Required Courses Calculus I Calculus II Chemistry I Chemistry II Chemistry Laboratory General Biology I	2(2-0-4) s 54 credits 27 credits 3(3-0-6) 3(3-0-6) 3(3-0-6) 1(0-3-0) 3(3-0-6)
General other far Manual 2. Pro 401472 402171	is 4 credits. Students can Education Courses which ar culties by General Educati (2002), Burapha University. fessional Teaching Courses Professional Principle Principle and Concepts of Education General Methods of Teachin Principle of Curriculum	select from re offered in ion Courses 40 credits 2(2-0-4) 3(3-0-6) ng 3(3-0-6)	302111 302112 303101 303102 303103 306101 306102	ea of Concentration Courses Basic Required Courses Calculus I Calculus II Chemistry I Chemistry II Chemistry Laboratory General Biology I General Biology Laboratory	2(2-0-4) s 54 credits 27 credits 3(3-0-6) 3(3-0-6) 3(3-0-6) 1(0-3-0) 3(3-0-6)
General other far Manual 2. Pro 401472 402171	is 4 credits. Students can Education Courses which ar culties by General Educati (2002), Burapha University. fessional Teaching Courses Professional Principle Principle and Concepts of Education General Methods of Teachin Principle of Curriculum Development and Curriculu	select from re offered in ion Courses 40 credits 2(2-0-4) 3(3-0-6) ng 3(3-0-6)	302111 302112 303101 303102 303103 306101 306102	ea of Concentration Courses Basic Required Courses Calculus I Calculus II Chemistry I Chemistry II Chemistry Laboratory General Biology I General Biology Laboratory Introductory Physics I	2(2-0-4) s 54 credits 27 credits 3(3-0-6) 3(3-0-6) 3(3-0-6) 1(0-3-0) 3(3-0-6) / I 1(0-3-0) 3(3-0-6) 3(3-0-6) 3(3-0-6)
General other fa Manual 2. Pro 401472 402171 404201	is 4 credits. Students can Education Courses which ar culties by General Educati (2002), Burapha University. fessional Teaching Courses Professional Principle Principle and Concepts of Education General Methods of Teachin Principle of Curriculum Development and Curriculu Administration	select from re offered in ion Courses 40 credits 2(2-0-4) 3(3-0-6) m 2(2-0-4)	302111 302112 303101 303102 303103 306101 306102 308101 308102	Basic Required Courses Calculus I Calculus II Chemistry I Chemistry II Chemistry Laboratory General Biology I General Biology Laboratory Introductory Physics I Introductory Physics II	2(2-0-4) s 54 credits 27 credits 3(3-0-6) 3(3-0-6) 3(3-0-6) 1(0-3-0) 3(3-0-6) / I 1(0-3-0) 3(3-0-6) 3(3-0-6) 3(3-0-6)

312201	Elementary Statistics	3(3-0-6)	Ва	chel	or	of Education Progr	ram in
	Major Required Courses	27 credits				Physics	
302202	Mathematical Computing	2(1-2-3)	Cour	ees S	tru	•	
302221	Calculus III	3(3-0-6)	Cour			ents are required to	take a
302231	Mathematics for Applicatio	ns	minin			141 credits from the	
		3(3-0-6)	section		•		
302241	Principles of Mathematics	3(3-0-6)	300110		1.	General Education Cour	ses
302251	Elementary Probability and				••	_	30 credits
	Applications	3(3-0-6)					26 credits
302303	Essential Mathematics for					-	12 credits
	Secondary School Teachers	I				- Thai Group	2 credits
		2(2-0-4)				- Information Technolog	gy Group
302304	Essential Mathematics for						3 credits
	Secondary School Teachers	s II				- Interdisciplinary Integ	ration
		2(2-0-4)				Group	9 credits
302333	Abstract Algebra I	3(3-0-6)				Elective Courses	4 credits
302342	Theory of Numbers	3(3-0-6)			2.	Professional Teaching (Courses
312211	Statistical Methods	3(3-0-6)				_	40 credits
4. F1.	e Elective Courses	6 credits			3.	Area of Concentration (Courses
	Students may take at least (5 credits as					65 credits
free ele	ective credits from courses	provided at				- Basic Required Cours	es
Buraph	a University or other univers	sities both in					30 credits
Thailan	d and abroad to complete th	e graduation				- Major Required Cours	ses
require	nent.						35 credits
					4.	Free Elective Courses	6 credits
			1.	Gen	eral	Education Courses	30 credits
			Requ	uired	l Co	ourses	26 credits
					Eng	lish Group	12 credits
			Basic	e Engl	lish		6 credits
			2121	101	Eng	glish I	3(3-0-6)

212102 English II

3(3-0-6)

212103	English III	3 3-0-6)	Elective	Courses	4 credits
212104	English IV	3(3-0-6)		A minimum requirement	for elective
Profession	nal English	6 credits	courses	is 4 credits. Students can	select from
212201	English for Humanities and		General	Education Courses which are	e offered in
	Social Sciences I	3(2-2-5)	other fa	culties by General Education	on Courses
212202	English for Humanities and		Manual	(2002), Burapha University.	
	Social Sciences II	3(2-2-5)	2. Pro	fessional Teaching Courses	40 credits
212203	English for Health Sciences	I	401472	Professional Principle	2(2-0-4)
		3(2-2-5)	402171	Principle and Concepts of E	ducation
212204	English for Health Sciences	II			3(3-0-6)
		3(2-2-5)	404201	General Methods of Teachin	ıg
212205	English for Science and				3(3-0-6)
	Technology I	3(2-2-5)	404301	Principle of Curriculum D	evelopment
212206	English for Science and			and Curriculum Administrat	ion
	Technology II	3(2-2-5)			2(2-0-4)
212207	English Communicative Spe	eaking	404351	Professional Experience	2(1-2-3)
		3(2-2-5)	404401	Integrated Curriculum and	Instruction
212208	English Writing Skills	3(3-0-6)		of Specific Subject	2(2-0-4)
	Thai Group	2 credits	404451	Practicum in Curriculum	
208101	Thai Language Skills	2(2-0-4)		Development	2(1-2-3)
	Information Technology Gro	_	404452	Student Teaching	6(0-30-0)
		3 credits	414301	Guidance for Life	2(2-0-4)
310101	Computer and the Internet	3(2-2-5)	415301	Education Psychology	2(2-0-4)
	Interdisciplinary Integration	_	423301	Instructional Technology	2(2-0-4)
000101	Total Profession Teacontine	9 credits	423303	Computer in Education	3(2-2-5)
999101	Interdisciplinary Integration		430216	Education Organization and	
		3(3-0-6)		Management	2(2-0-4)
999102	Interdisciplinary Integration		430234	Quality Assurance	2(2-0-4)
222127	*	3(3-0-6)	433301	Educational Measurement as	nd
999103	Interdisciplinary Integration			Evaluation	3(3-0-6)
		3(3-0-6)			

434301	Introduction to Educational		308371 Elementary Electronics	3(3-0-6)
	Research	2(2-0-4)	308372 Elementary Electronics Laborated	oratory
3. Ar	ea of Concentration Course	s 65 credits		1(0-3-0)
	Basic Required Courses	30 credits	308493 Physics Laboratory	2(0-6-0)
302111	Calculus I	3(3-0-6)	4. Free Elective Courses	6 credits
302112	Calculus II	3(3-0-6)	Students may take at least 6	credits as
303101	Chemistry I	3(3-0-6)	free elective credits from courses	provided at
303102	Chemistry II	3(3-0-6)	Burapha University or other universi	ities both in
303103	Chemistry Laboratory	1(0-3-0)	Thailand and abroad to complete the	graduation
306101	General Biology I	3(3-0-6)	requirement.	
306102	General Biology Laboratory	y I		
		1(0-3-0)	Bachelor of Education Prog	gram in
306103	General Biology II	3(3-0-6)	Social Studies	
308101	Introductory Physics I	3(3-0-6)	Courses Structure	
308102	Introductory Physics II	3(3-0-6)	Students are required t	to take a
308103	Introductory Physics Labor	atory	minimum of 130 credits from the	
		1(0-3-0)	sections:	
312201	Elementary Statistics	3(3-0-6)	General Education Cou	irses
	Major Required Courses	35 credits		30 credits
301491	Scientific Projects	1(0-2-1)	Required Courses	26 credits
308204	Introductory Physics Labora	atory II	- English Group	12 credits
		1(0-3-0)	- Thai Group	2 credits
308205	Mathematical Physics I	3(3-0-6)	- Information Technolo	gy Group
308206	Mathematical Physics II	3(3-0-6)		3 credits
308207	Mathematical Physics III	3(3-0-6)	- Interdisciplinary Integ	gration
308211	Mechanics I	3(3-0-6)	Group	9 credits
308221	Thermodynamics	3(3-0-6)	Elective Courses	4 credits
308231	Optics	3(3-0-6)	2. Professional Teaching	Courses
308241	Electricity and Magnetism	3(3-0-6)		40 credits
308351	Nuclear Physics I	3(3-0-6)	3. Area of Concentration	Courses
308361	Modern Physics	3(3-0-6)	,	54 credits

	- Major Required Cour	ses		Information Technology Gr	oup
		30 credits			3 credits
	- Major Elective Course	es 24 credits	310101	Computer and the Internet	3(2-2-5)
	4. Free Elective Courses	6 credits		Interdisciplinary Integration	ı Group
1. Ger	neral Education Courses	30 credits			9 credits
Require	d Courses	26 credits	999101	Interdisciplinary Integration	I
	English Group	12 credits			3(3-0-6)
Basic Eng	glish	6 credits	999102	Interdisciplinary Integration	II
212101	English I	3(3-0-6)			3(3-0-6)
212102	English II	3(3-0-6)	999103	Interdisciplinary Integration	III
212103	English III	3 3-0-6)			3(3-0-6)
212104	English IV	3(3-0-6)	Elective	Courses	4 credits
Profession	nal English	6 credits		A minimum requirement	for elective
212201	English for Humanities and		courses	is 4 credits. Students can	select from
	Social Sciences I	3(2-2-5)	General	Education Courses which ar	e offered in
212202	English for Humanities and		other fa	culties by General Educati	on Courses
	Social Sciences II	3(2-2-5)	Manual ((2002), Burapha University.	
212203	English for Health Sciences	I	2. Pro	fessional Teaching Courses	40 credits
		3(2-2-5)	401472	Professional Principle	2(2-0-4)
212204	English for Health Sciences	II	402171	Principle and Concepts of E	ducation
		3(2~2-5)			3(3-0-6)
212205	English for Science and		404201	General Methods of Teachin	ng
	Technology I	3(2-2-5)			3(3-0-6)
212206	English for Science and		404301	Principle of Curriculum	
	Technology II	3(2-2-5)		Development and Curriculu	m
212207	English Communicative Spe	aking		Administration	2(2-0-4)
		3(2-2-5)	404351	Professional Experience	2(1-2-3)
212208	English Writing Skills	3(3-0-6)	404401	Integrated Curriculum and	Instruction
	Thai Group	2 credits		of Specific Subject	2(2-0-4)
208101	Thai Language Skills	2(2-0-4)	404451	Practicum in Curriculum	
				Development	2(1-2-3)

404452	Student Teaching	6(0-30-0)	223212	Introduction to Remote Sens	sing
414301	Guidance for Life	2(2-0-4)		and Geographic Information	ı
415301	Education Psychology	2(2-0-4)		System	3(2-2-5)
423301	Instructional Technology	2(2-0-4)	223254	Geomorphology	3(2-2-5)
423303	Computer in Education	3(2-2-5)	223337	Urban Geography	3(2-2-5)
430216	Education Organization and		223377	Environmental Impact	
	Management	2(2-0-4)		Assessment	3(2-2-5)
430234	Quality Assurance	2(2-0-4)	223422	Computer Mapping	3(2-2-5)
433301	Educational Measurement a	nd	223427	Geography Database	
	Evaluation	3(3-0-6)		Management System	3(3-0-6)
434301	Introduction to Educational		224221	Thai Politics and Governme	nt
	Research	2(2-0-4)			3(3-0-6)
3. Are	ea of Concentration Courses	s 54 credits	224241	International Relations	3(3-0-6)
	Major Required Courses	30 credits	224422	Local Government and Poli	tics
203271	Thai History	3(3-0-6)			3(3-0-6)
203272	History of Asia	3(3-0-6)	246211	Principle of Public Adminis	tration
203371	History of Western Civiliza	tion			3(3-0-6)
		3(3-0-6)	246241	Public Policy and Planning	3(3-0-6)
203372	The World Today	3(3-0-6)	246342	Project Planning and Manag	gement
223251	Physical Geography I	3(2-2-5)			3(3-0-6)
223252	Physical Geography II	3(2-2-5)	225211	Cultural Anthropology	3(3-0-6)
224211	Principle of Political Science	ee	225223	Religions and Thai Traditio	ns
		3(3-0-6)			3(3-0-6)
225314	Social Problems	3(3-0-6)	225311	Rural Sociology	3(3-0-6)
226211	Microeconomics I	3(3-0-6)	225312	Urban Sociology	3(3-0-6)
226212	Macroeconomics I	3(3-0-6)	225313	Industrial Sociology	3(3-0-6)
	Major Elective Courses	24 credits	225315	Psychology and Society	3(3-0-6)
223211	Map Reading and Aerial Ph	noto	225316	Mass Communication and I	Public
	Interpretation	3(3-2-5)		Opinion	3(3-0-6)
			225317	Sociology of Women	3(3-0-6)
			225318	Tourism and Sociology	3(3-0-6)

225319	Folk Business and Tourism	3(3-0-6)	Back
225411	Social Organization	3(3-0-6)	
225412	Political Sociology	3(3-0-6)	Course
225415	Educational Sociology	3(3-0-6)	4
225417	Information System for Tou	rism	minimu
		3(3-0-6)	sections
225418	Training for Tourism	3(3-0-6)	500110111
225419	Seminar on Sociology and T	Courism	
		3(3-0-6)	
225421	Human Relation for Tourism	n	
		3(3-0-6)	
225422	Art of Communication	3(3-0-6)	
225423	Thai Society and Culture	3(3-0-6)	
226321	Agricultural Economics	3(3-0-6)	
226331	Economics of Money and B	anking	
		3(3-0-6)	
226341	Industrial Economics	3(3-0-6)	
226344	Economics of Technology	3(3-0-6)	
226351	Economic Development	3(3-0-6)	
226352	The Economy of Thailand	3(3-0-6)	
226356	Co-operatives	3(3-0-6)	
226361	Public Finance	3(3-0-6)	
226381	International Economics	3(3-0-6)	
4. Fṛ	ee Elective Courses	6 credits	
	Students may take at least 6	credits as	
free ele	ective credits from courses	provided at	
Burapha	University or other univers	ities both in	

Students may take at least 6 credits as free elective credits from courses provided at Burapha University or other universities both in Thailand and abroad to complete the graduation requirement.

Bachelor of Education Program in Thai

Courses Structure

2.

Students are required to take a minimum of 130 credits from the following sections:

1. General Education Courses

	30 credits
Required Courses	26 credits
- English Group	12 credits
- Thai Group	2 credits
- Information Techno	logy Group
	3 credits
- Interdisciplinary Int	egration
Group	9 credits
Elective Courses	4 credits
Professional Teaching	g Courses
	40 credits

3. Area of Concentration Courses

54 credits

- Major Courses 36 credits

Major Required Courses

28 credits

Major Elective Courses

8 credits

- Minor Courses 18 credits

4. Free Elective Courses 6 credits

1. Gen	eral Education Courses	30 credits		Interdisciplinary Integration	Group
Require	l Courses	26 credits			9 credits
	English Group	12 credits	999101	Interdisciplinary Integration	I
Basic Eng	lish	6 credits			3(3-0-6)
212101	English I	3(3-0-6)	99,9102	Interdisciplinary Integration	II
212102	English II	3(3-0-6)			3(3-0-6)
212103	English III	3 3-0-6)	999103	Interdisciplinary Integration	Ш
212104	English IV	3(3-0-6)			3(3-0-6)
Professio	onal English	6 credits	Elective	Courses	4 credits
212201	English for Humanities and			A minimum requirement	for elective
	Social Sciences I	3(2-2-5)	courses	is 4 credits. Students can	select from
212202	English for Humanities and		General	Education Courses which ar	e offered in
	Social Sciences II	3(2-2-5)	other fa	culties by General Educati	on Courses
212203	English for Health Sciences	I	Manual	(2002), Burapha University.	
		3(2-2-5)	2. Pro	fessional Teaching Courses	40 credits
212204	English for Health Sciences	II	401472	Professional Principle	2(2-0-4)
		3(2-2-5)	402171	Principle and Concepts of F	ducation
212205	English for Science and				3(3-0-6)
	Technology I	3(2-2-5)	404201	General Methods of Teachi	ng
212206	English for Science and				3(3-0-6)
	Technology II	3(2-2-5)	404301	Principle of Curriculum	
212207	English Communicative Sp	eaking		Development and Curriculu	ım
		3(2-2-5)		Administration	2(2-0-4)
212208	English Writing Skills	3(3-0-6)	404351	Professional Experience	2(1-2-3)
	Thai Group	2 credits	404401	Integrated Curriculum and	
208101	Thai Language Skills	2(2-0-4)		Instruction of Specific Subj	ect
	Information Technology Gr				2(2-0-4)
		3 credits	404451	Practicum in Curriculum	
310101	Computer and the Internet	. 3(2-2-5)		Development	2(1-2-3)
			404452	Student Teaching	6(0-30-0)
			414301	Guidance for Life	2(2-0-4)

5301	Education Psychology	2(2-0-4)	208264	King Rama II's Works	2(2-0-4)
3301	Instructional Technology	2(2-0-4)	208265	Didactic Literature	2(2-0-4)
3303	Computer in Education	3(2-2-5)	208272	Literary Works for Children	2(2-0-4)
0216	Education Organization and		208311	Non-Fiction Writing	3(3-0-6)
	Management	2(2-0-4)	208312	Business Writing	3(3-0-6)
0234	Quality Assurance	2(2-0-4)	208324	Khmer	2(2-0-4)
3301	Educational Measurement ar	nd	208325	Development of Thai	
	Evaluation	3(3-0-6)		Text Books	2(2-0-4)
1301	Introduction to Educational		208331	Semantics	2(2-0-4)
	Research	2(2-0-4)	208332	Language and Culture	2(2-0-4)
Are	a of Concentration Courses	54 credits	208333	Language and Society	2(2-0-4)
	Major Courses	36 credits	208335	Historical Linguistics	3(3-0-6)
jor Re	quired Courses	28 credits	208362	Historical Literature	2(2-0-4)
3211	Writing I	3(3-0-6)	208363	Drama	2(2-0-4)
3213	Analytical Reading	2(2-0-4)	208364	Jataka Literature	3(3-0-6)
3231	Linguistics I	3(3-0-6)	208371	Soonthonpoo's Works	2(2-0-4)
3261	Evolution of Thai Literature	3(3-0-6)	208373	Translated Literary Works	2(2-0-4)
3271	Contemporary Literature	2(2-0-4)	208381	Research on Folklore	2(2-0-4)
3281	Folklore	2(2-0-4)	208411	Poetry Writing	3(3-0-6)
3322	Pali and Sanskrit in Thai	2(2-0-4)	208412	Fiction Writing	3(3-0-6)
3323	Khmer in Thai	2(2-0-4)	208421	Logic of Language	2(2-0-4)
3326	Characteristics of the Thai		208422	Khmer Orthography	2(2-0-4)
	Language	3(3-0-6)	208423	Thai Inscription	3(3-0-6)
352	Literary Criticism	3(3-0-6)	208424	Language in Mass Media	3(3-0-6)
3361	Masterpieces of Thai Literat	ure	208433	Languages in Southeast Asia	2(2-0-4)
		3(3-0-6)	208434	Linguistics and Thai Literatu	ıre
jor Ele	ective Courses	8 credits			2(2-0-4)
3214	Speed Reading		208435	Discourse Analysis	2(2-0-4)
3215	Oral Reading	2(1-2-3)	208436	Loanwords in Thai	2(2-0-4)
8233	Thai Regional Dialects	2(2-0-4)	208462	Literature Based on Thai Cu	stoms
8262	Niras	2(2-0-4)			2(2-0-4)
8263	Poetic Tales	2(2-0-4)			
	3301 3303 3216 3234 3301 3301 Are 3211 3221 3221 3322 3326 3326 3326 3321 3326 3321 3321	Instructional Technology Computer in Education Education Organization and Management Cast Quality Assurance Cast Quality Assurance Cast Educational Measurement and Evaluation Cast Introduction to Educational Research Area of Concentration Courses Major Courses Cast Writing I Cast Analytical Reading Cast Linguistics I Cast Evolution of Thai Literature Cast Folklore Cast Folklor	Instructional Technology 2(2-0-4) 3303 Computer in Education 3(2-2-5) 3(2-2-5) 3(2-2-5) 3(2-2-5) 3(2-2-5) 3(2-2-5) 3(2-2-5) 3(2-2-5) 3(2-2-5) 3(2-2-4) 3(2-2-	2021 Section Section	208201 Instructional Technology 2(2-0-4) 208265 Didactic Literature 208303 Computer in Education 3(2-2-5) 208272 Literary Works for Children 208311 Non-Fiction Writing 208311 Non-Fiction Writing 208312 Business Writing 208312 Quality Assurance 2(2-0-4) 208324 Khmer 208325 Development of Thai Evaluation 3(3-0-6) Text Books 301 Introduction to Educational 208331 Semantics Research 2(2-0-4) 208332 Language and Culture Area of Concentration Courses 54 credits 208333 Language and Society Major Courses 36 credits 208335 Historical Literature 3(3-0-6) 208363 Drama 208364 Historical Literature 3(31-0-6) 208364 Jataka Literature 208312 Linguistics I 3(3-0-6) 208371 Soonthonpoo's Works 3(21) Linguistics I 3(3-0-6) 208371 Soonthonpoo's Works 3(21) Evolution of Thai Literature 2(2-0-4) 208381 Research on Folklore 2(2-0-4) 208312 Folklore 2(2-0-4) 208412 Fiction Writing 3(3-0-6) 208412 Fiction Writing 3(3-0-6) 208421 Logic of Language 3(3-0-6) 208422 Language in Mass Media 208422 Language in Mass Media 3(3-0-6) 208434 Language in Mass Media 3(3-0-6) 208435 Discourse Analysis 3(3-0-6) 208435 Discourse Analysis 3(3-0-6) 208435 Discourse Analysis 3(3-0-6) 208436 Doanwords in Thai 3(3-0-6) 208436 Literature Based on Thai Cuton 3(3-0-6)

208463 Chaopraya Prakanghon's Works		orks (- Interdisciplinary In	egration
		2(2-0-4)		Group	9 credits
208464	Prince Bidyalongkom's Wo	orks		Elective Courses	4 credits
		2(2-0-4)		2. Area of Concentration C	Courses
208471	Literature and Musical Art	2(2-0-4)			90 credits
208472	Political Literature	2(2-0-4)		- Major Professional C	Courses
	Minor Courses	18 credits			23 credits
	Students can select other	minor from		- Major Courses	67 credits
other fac	culties in Burapha University	on approval		3. Free Elective Courses	6 credits
of the H	ead of Department.		1. Gen	eral Education Courses	30 credits
4. Fre	e Elective Courses	6 credits	Require	ed Courses	26 credits
	Students may take at least 6	credits as		English Group	12 credits
free ele	ctive credits from courses	provided at	Basic En	glish	6 credits
Burapha University or other universities both in		ities both in	212101	English I	3(3-0-6)
Thailand and abroad to complete the graduation		e graduation	212102	English II	3(3-0-6)
requirement.			212103	English III	3 3-0-6)
			212104	English IV	3(3-0-6)
Ва	ichelor of Science Progr	am in	Professio	nal English	6 credits
	•		212201	English for Humanities and	
	Exercise and Sport Scie	nce		Social Sciences I	3(2-2-5)
Courses	Structure		212202	English for Humanities and	
	Students are required to tak			Social Sciences II	3(2-2-5)
	n of 130 credits from the foll	owing	212203	English for Health Sciences	I
sections:					3(2-2-5)
	1. General Education Cour		212204	English for Health Sciences	II
		30 credits			3(2-2-5)
	Required Courses	26 credits	212205	English for Science and Tec	chnology I
	- English Group	12 credits			3(2-2-5)
	- Thai Group	2 credits	212206	English for Science and Tec	hnology II
	- Information Technolog	у			3(2-2-5)
	Group	3 credits	212207	English Communicative Sp	
					3(2-2-5)
					/

212208	English Writing Skills	3(3-0-6)	441231	First Aid in Sport Injuries	2(1-2-3)
	Thai Group	2 credits	441331	Computer for Exercise and	
208101	Thai Language Skills	2(2-0-4)		Sport Science	2(1-2-3)
	Information Technology Gr	oup	441332	English for Exercise and	
		3 credits		Sport Science I	2(2-0-4)
310101	Computer and the Internet	3(2-2-5)	441333	English for Exercise and	
	Interdisciplinary Integratio	n Group		Sport Science II	2(2-0-4)
		9 credits		Major Courses	67 credits
999101	Interdisciplinary Integration	ı I	Theoretic	cal Courses	45 credits
		3(3-0-6)	441341	Exercise Physiology I	3(2-2-5)
999102	Interdisciplinary Integration	ı II	441342	Exercise Physiology II	2(1-2-3)
		3(3-0-6)	441343	Sport Safety I	2(2-0-4)
999103	Interdisciplinary Integration	ı III	441344	Sport Safety II	2(1-2-3)
		3(3-0-6)	441345	Biomechanics I	3(2-2-5)
Elective	Courses	4 credits	441346	Biomechanics II	2(1-2-3)
	A minimum requirement	for elective	441347	Test and Evaluation in Phys	sical
courses	is 4 credits. Students can	select from		Education and Sport	3(2-2-5)
General ·	Education Courses which a	re offered in	441348	Learning for Motor Skills	2(2-0-4)
other fa	culties by General Educat	ion Courses	441381	History and Philosophy of I	Physical
Manual ((2002), Burapha University.			Education and Sport	3(2-2-5)
2. Area	of Concentration Courses	90 credits	441384	Sport Psychology	2(2-0-4)
	Major Professional Courses	32 credits	441385	Sport Sociology	2(2-0-4)
308207	Mechanics for Physical Edu	ication	441386	Psychological Skill Trainin	g and
		3(3-0-6)		Stress Management in Spor	t 2(1-2-3)
316202	Biochemistry for Health Sc	ience	441472	Organization of Sport Com	petition
		2(2-0-4)			2(2-0-4)
317101	Human Anatomy	2(2-0-4)	441473	Workplace Exercise and Sp	ort
317102	Human Anatomy Laborator	y 1(0-3-0)		Management	2(2-0-4)
317205	Human Physiology	3(2-3-4)	441474	Sports Nutrition	2(2-0-4)
441131	Introduction to Physical Ed	ucation,	441475	Adapted Physical Education	n 2(2-0-4)
	Exercise and Sport Science	2(2-0-4)			
441132	Health and Safety Science	2(2-0-4)	•		

441491	Basic Research in Exercise			Water Sport Courses	1 credits
	and Sport Science	2(2-0-4)	441120	Water Ski	1(0-2-1)
441492	Senior Project in Exercise a	ınd	441217	Canoeing	1(0-2-1)
	Sport Science	2(1-2-3)	441218	Synchronize Swimming	1(0-2-1)
441493	Field Work	6(0-30-0)	441312	Swimming II	1(0-2-1)
Activity	Courses	14 credits	441324	Windsurf I	1(0-2-1)
	Basic Courses	3 credits	441414	Windsurf II	1(0-2-1)
441111	Track and Field I	1(0-2-1)	441415	Sailing	1(0-2-1)
441112	Swimming	1(0-2-1)	441416	Diving	1(0-2-1)
441117	Gymnastic I	1(0-2-1)	441417	Water Polo	1(0-2-1)
	Thai Sport Courses	I credits	441421	Life Saving and Water Safe	ety
441122	Muay Thai I	1(0-2-1)			1(0-2-1)
441124	Krabi Krabong I	1(0-2-1)		Ball Sport Courses	3 credits
441213	Takraw and Sepak Takraw	1(0-2-1)	441113	Basketball I	1(0-2-1)
441322	Muay Thai II	1(0-2-1)	441114	Rugby Football I	1(0-2-1)
441323	Krabi Krabong II	1(0-2-1)	441115	Football I	1(0-2-1)
	Dance Courses	1 credits	441116	Volleyball I	1(0-2-1)
441125	Aerobic Dance	1(0-2-1)	441128	Baseball	1(0-2-1)
441126	Thai Classical Dance	1(0-2-1)	441221	Hockey	1(0-2-1)
441212	Rhythmic Activities	1(0-2-1)	441222	Softball	1(0-2-1)
441214	Modern Dance	1(0-2-1)	441223	Handball	1(0-2-1)
441219	Social Dance	1(0-2-1)	441313	Basketball II	1(0-2-1)
441413	Movement Education	1(0-2-1)	441314	Rugby Football II	1(0-2-1)
	Racket Courses	2 credits	441315	Football II	1(0-2-1)
	Tennis I	1(0-2-1)	441316	Volleyball II	1(0-2-1)
	Badminton I	1(0-2-1)		Fight and Self Defense Cour	rses
	Soft Tennis	1(0-2-1)			1 credits
	Table Tennis I	1(0-2-1)	441121	Boxing I	1(0-2-1)
441310		1(0-2-1)	441123	Judo I	1(0-2-1)
	Tennis II	1(0-2-1)	441220	Taekwando	1(0-2-1)
441319	Badminton II	1(0-2-1)	441229	Fencing	1(0-2-1)

441321	Boxing II	1(0-2-1)	441452	Muay Thai Coaching	2(1-2-3)
441411	Judo II	1(0-2-1)	441453	Judo Coaching	2(1-2-3)
441422	Self Defense	1(0-2-1)	441454	Windsurf Coaching	2(1-2-3)
	Other Courses	2 credits	441455	Table Tennis Coaching	2(1-2-3)
441110	Exercise for Health	1(0-2-1)		Elective Courses	4 credits
441127	Weight Training	1(0-2-1)	441101	Wellness Development	2(2-0-4)
441129	Running for Exercise and		441281	Physical Education and Rec	reation
	Good Health	1(0-2-1)		in School	2(2-0-4)
441215	Minor Games	1(0-2-1)	441282	Sport and Community	
441216	Exercise and Weight contro	11(0-2-1)		Development	2(2-0-4)
441224	Archery	1(0-2-1)	441325	Physical Education in Scho	ol
441225	Golf	1(0-2-1)			2(2-0-4)
441226	Bowling	1(0-2-1)	441380	Curriculum in Physical	
441227	Cycling	1(0-2-1)		Education	2(1-2-3)
441228	Weight Lifting	1(0-2-1)	441382	Human Relation in Sport	2(1-2-3)
441311	Track and Field II	1(0-2-1)	441383	Innovation in Physical	
441317	Gymnastic II	1(0-2-1)		Education Sport	2(1-2-3)
441361	Stretching in Exercise		441418	Boy and Girl Scouting	2(1-2-3)
	and Sport	1(0-2-1)	441461	Communication Technolog	y
441362	Yoga for Health and Sport	1(0-2-1)		in Sport	2(2-0-4)
Sport Co	eaching Courses	4 credits	441462	Sport News Reporting and	
441351	Track and Field Coaching	2(1-2-3)		Writing	2(1-2-3)
441352	Swimming Coaching	2(1-2-3)	441463	Sport Business	2(2-0-4)
441353	Basketball Coaching	2(1-2-3)	441464	Sport Tourism	2(2-0-4)
441354	Rugby Football Coaching	2(1-2-3)	441465	Facilities and Equipment in	
441355	Football Coaching	2(1-2-3)		Exercise and Sport Science	2(2-0-4)
441356	Volleyball Coaching	2(1-2-3)	441471	Scientific Principles of Con	dition
441357	Gymnastic Coaching	2(1-2-3)		and Training	2(2-0-4)
441358	Tennis Coaching	2(1-2-3)	441480	Method of Teaching in	
441359	Badminton Coaching	2(1-2-3)		Physical Education	2(1-2-3)
441451	Boxing Coaching	2(1-2-3)	442311	Folk Activities	2(1-2-3)

442312	Camping	2(1-2-3)		3. Area of Concentration C	ourses
42313	Leadership in Recreation at	nd			30 credits
	Group Dynamic Program	2(1-2-3)		- Major Required Courses	24 credits
442314	Camping Leadership	2(1-2-3)		- Major Elective Courses	6 credits
3. Free l	Elective Courses	10 credits		4. Free Elective Courses	6 credits
	Students may take at least 1	0 credits as	1. Gene	ral Education Courses	16 credits
free ele	ctive credits from courses	provided at	Require	d Courses	14 credits
Burapha	University or other univers	sities both in		English Group	6 credits
Thailand	l and abroad to complete th	e graduation	Basic En	glish	3 credits
requiren	nent.		212101	English I	3(3-0-6)
•			212102	English II	3(3-0-6)
Bac	helor of Education Pro	gram in	212103	English III	3(3-0-6)
-		212104	English IV	3(3-0-6)	
	Educational Technolo	<u> </u>	Professio	nal English	3 credits
	(Continuing Program	າ)	212201	English for Humanities and	
Courses	Structure			Social Sciences I	3(2-2-5)
	Students are required	to take a	212202	English for Humanities and	
minimu	n of 77 credits from th	e following		Social Sciences II	3(2-2-5)
sections	:		212207	English Communicative	
	1. General Education Cou	rses		Speaking	3(2-2-5)
		16 credits	212208	English Writing Skills	3(2-2-5)
	Required Courses	14 credits		Thai Group	2 credits
	- English Group	6 credits	208101	Thai Language Skills	2(2-0-4)
	- Thai Group	2 credits		Information Technology G	roup
	- Information Technol	logy Group			3 credits
		3 credits	310101	Computer and the Internet	3(2-2-5)
	- Interdisciplinary Inte	gration		Interdisciplinary Integratio	n Group
	Group	3 credits			3 credits
	Elective Courses	2 credits	999101	Interdisciplinary Integration	ı I
	2. Professional Teaching (Courses			3(3-0-6)
		25 credits	999102	Interdisciplinary Integration	ı II
					3(3-0-6)

999103	Interdisciplinary Integration	n III	423203	Language for Media Produ	ction
		3(3-0-6)			3(3-0-6)
Elective	e Courses	2 credits	423204	Research and Media Devel	
	A minimum requirement	for elective			3(3-0-6)
courses	is 2 credits. Students can	select from	423350	Educational Technology an	, ,
General	Education Courses which a	re offered in		Communication Equipment	
other fa	culties by General Educat	ion Courses		Operation	3(2-2-5)
Manual	(2002), Burapha University.		423352	•	
2. Profe	essional Teaching Courses	25 credits			3(2-2-5)
401472	Professional Principle	2(2-0-4)	423401	Management of Educationa	
404201	General Methods of Teachi	ng		_	3(3-0-6)
		3(3-0-6)	Major H	Elective Courses	6 credits
404301	Principle of Curriculum			General Major Elective Cou	ırses
	Development and Curriculu	ım	423200	Instructional Message Desig	şn
	Administration	2(2-0-4)			3(3-0-6)
404351	Professional Experience	2(1-2-3)	423205	Electronics for Instructional	
415301	Education Psychology	2(2-0-4)		Media	3(3-0-6)
423301	Instructional Technology	2(2-0-4)	423206	Educational Technology and	d
423304	Technology of Human			Innovation	3(3-0-6)
	Resources Management	3(3-0-6)	423302	Information Technology	2(2-0-4)
423450	Integrated Activities in		423340	Courseware Production for	
	Educational Technology	3(2-2-5)		Teleconferencing System	3(2-2-5)
423471	Seminar in Educational Tec	hnology	423402	Educational Technology Lo	cal
		3(2-2-5)		Wisdom	3(3-0-6)
430234	Quality Assurance	2(2-0-40	423403	Law for Educational Techno	ology
433301	Educational Measurement			and Communication	3(3-0-6)
	and Evaluation	3(3-0-6)	423409	AV System Design and Util	ization
3. Area	of Concentration Courses	30 credits			2(2-0-4)
Major R	Required Courses	24 credits	423418	Systems Thinking Skill and	
423201	Instructional Design	3(3-0-6)		Educational Technology and	d
423202	Graphics for Education	3(3-0-6)		Communication Tasks	3(3-0-6)

		_			2(2.2.5)
423471	Seminar in Education Techn		423406	Webcasting I	3(2-2-5)
		3(2-2-5)	423407	Telecommunication System	for
423490	Educational Technology The	esis		Education	3(3-0-6)
		3(2-2-5)	423410	Law and Ethics for Radio ar	nd
Still Pict	ures and Motion Pictures			Television Broadcasting	2(2-0-4)
423207	Technology in Photography	3(3-0-6)	423411	Radio and Television Broad	casting
423353	Still Pictures Photography I	3(2-2-5)		Administration	2(2-0-4)
423354	Still Pictures Photography II	3(2-2-5)	423452	Practicum in Video Product	ion
423355	Still Pictures Photography II	I			3(0-9-0)
		3(2-2-5)	423453	Webcasting II	1(0-3-0)
423356	Still Pictures Photography I	V	Advertis	ing and Public Relations	
		3(2-2-5)	423306	Advertising and Public Rela	tions
423357	Photography for Communic	ation			3(3-0-6)
		3(2-2-5)	423310	Principles and Theories of	
423404	Motion Picture Production	3(2-2-5)		Communications	2(2-0-4)
Radio and Television Broadcasting		423311	Public Relations Planning	2(2-0-4)	
423307	The Mass Media and Educa	tion	423312	Advertising Business	2(2-0-4)
		3(3-0-6)	423313	Advertising and Public Rela	tions
423308	Introduction to Broadcasting	g 3(3-0-6)		Evaluation	2(1-2-3)
423309	Video Production I	3(2-2-5)	423362	Public Relations Media Pro-	duction
423358	Radio Broadcasting Program	n and			3(2-2-5)
	Electronic Media Production	n I	423363	Creation and Production of	
		3(2-2-5)		Advertising Media	3(2-2-5)
423359	Radio Broadcasting Program	n and	423412	Law and Ethics for Advertis	sing and
	Electronic Media Productio	n II		Public Relations	2(2-0-4)
		3(2-2-5)	423413	Advertising and Public Rela	ations
423360	Practicum in Radio Broadca	asting		Administration	2(2-0-4)
	Program Production	3(0-9-0)	423455	Practicum in Public Relatio	ns
423361	Video Production II	3(2-2-5)			3(0-9-0)
423405	Graphics for Video Product	ion	423491	Public Opinion Survey	2(1-2-3)
		3(3-0-6)			

Printed Material		423338	Human Resources Development		
423208	Technology in Printed Material			2: HRD 2	3(2-2-5)
		3(3-0-6)	423341	Training Project and Acade	mic Content
423314	Editing for Printed Materia	ls 2(2-0-4)			3(2-2-5)
423315	Promotion and Publicity fo	r Printed	423408	Field Trip Educational	2(1-2-3)
	Materials	2(2-0-4)	423416	Training for Industrial Busi	iness
423316	Design and Illustration for	Printed			3(3-0-6)
	Materials	2(2-0-4)	423457	Practicum in Training	3(0-9-0)
423364	Printed Materials Production	on 3(2-2-5)	423459	Human Resources Develop	ment
423414	Law and Ethics for Printed	Materials		3: HRD 3	3(2-2-5)
		2(2-0-4)	Comput	er for Education	
423415	Printed Material Administr	ation	423303	Computer in Education	3(2-2-5)
		2(2-0-4)	423324	Computer in Educational Te	echnology
423454	Desktop Publishing Produc	tion			3(2-2-5)
		3(2-2-5)	423325	Computer Assisted Instruct	ion
423456	Practicum in Printed Mater	ials			3(2-2-5)
	Production	3(0-9-0)	423326	Programming Language in	Education
Training	.				3(2-2-5)
423317	Human Behavioral and Lea	rning in	423327	Authoring System	3(2-2-5)
	Training	3(3-0-6)	423328	Using Computer in School	
423318	Survey and Analysis of Tra	ining Needs		Administration and Manage	ement
		3(2-2-5)			3(2-2-5)
423320	Evaluation and Follow-up	Fraining	423329	Computer Graphics	3(2-2-5)
		3(3-0-6)	423330	Computer Multimedia	3(2-2-5)
423321	Preparation of Being Resou	irce Person	423331	Educational Software Deve	lopment
	for Training	3(2-2-5)			3(2-2-5)
423322	Training Techniques	3(2-2-5)	423332	Cognitive Systems	3(3-0-6)
423323	Training Project Manageme	ent	423333	Artificial Intelligence and E	ducation
		3(2-2-5)			3(2-2-5)
423337	Human Resources Develop	ment	423334	Web Authoring	3(2-2-5)
	1 : HRD 1	3(2-2-5)			

423335	Data Communication in Ed	lucation		- Interdisciplinary Inte	gration
		3(2-2-5)		Group	3 credits
423336	Data Based Design of Elec	tronic		Elective Courses	2 credits
	Resource in Education	3(2-2-5)		2. Professional Teaching C	ourses
423417	Network Systems Adminis	tration			24 credits
		3(3-0-6)		3. Area of Concentration C	Courses
423458	Practicum in Network Syst	ems			32 credits
	Administration	3(0-9-0)		- Major Required Courses	17 credits
				- Major Elective Courses	15 credits
4. Free l	Elective Courses	6 credits		4. Free Elective Courses	6 credits
	Students may take at least (credits as	1. Gene	eral Education Courses	16 credits
free elec	ctive credits from courses	provided at	Require	ed Courses	14 credits
Burapha	University or other university	sities both in		English Group	6 credits
Thailand	and abroad to complete th	e graduation	Basic English		3 credits
requiren	nent.		212101	English I	3(3-0-6)
			212102	English II	3(3-0-6)
Bachelor of Education Program in		gram in	212103	English III	3(3-0-6)
Ind	lustrial Technology Edi	ıcation	212104	English IV	3(3-0-6)
			Professional English		3 credits
	(Continuing Progran	1)	212201	English for Humanities and	
Courses	Structure			Social Sciences I	3(2-2-5)
	Students are required		212202	English for Humanities and	
minimur	n of 78 credits from th	e following		Social Sciences II	3(2-2-5)
sections:			212207	English Communicative	
	General Education Cou			Speaking	3(2-2-5)
		16 credits	212208	English Writing Skills	3(2-2-5)
	Required Courses	14 credits		Thai Group	2 credits
	- English Group	6 credits	208101	Thai Language Skills	2(2-0-4)
	- Thai Group	2 credits		Information Technology G	oup
	- Information Technol	ogy Group			3 credits
		3 credits	310101	Computer and the Internet	3(2-2-5)

	Interdisciplinary Integration	on Group	3. Area	of Concentration Courses	32 credits
		3 credits	Major I	Required Courses	17 credits
999101	Interdisciplinary Integration	n I	437311	Organization and Industrial	l
		3(3-0-6)		Management	3(3-0-6)
999102	Interdisciplinary Integration	n II	437312	Investment Feasibility Stud	y
		3(3-0-6)			3(3-0-6)
999103	Interdisciplinary Integration	n III	437330	Computer Based Training	3(2-2-5)
		3(3-0-6)	437350	Mathematical and Statistics	I
Elective	Courses	2 credits		for Industrial	2(2-0-4)
	A minimum requirement	for elective	437401	Principles of Teaching	
courses	is 2 credits. Students can	select from		Industrial Subjects	2(2-0-4)
General	Education Courses which a	re offered in	437410	Industrial Safety and	
other fa	culties by General Educat	ion Courses		Accident Prevention	2(2-0-4)
Manual	(2002), Burapha University.		437490	Independent Study	2(1-2-5)
2. Profe	essional Teaching Courses	24 credits	Major I	Elective Courses	15 credits
401472	Professional Principle	2(2-0-4)		Electrical Group	
404201	General Methods of Teachi	ng	310222	C Programming	3(2-2-5)
		3(3-0-6)	437354	Computer Aided Circuit	
404301	Principle of Curriculum			Analysis and Design	3(2-2-50
	Development and Curriculu	ım	515231	Electrical Machine	3(2-3-4)
	Administration	2(2-0-4)	515251	Engineering Electronics	3(2-3-4)
404351	Professional Experience	2(1-2-3)	515331	Illumination Engineering	3(3-0-6)
404452	Student Teaching	6(0-30-0)	515332	Electrical Power System A	nalysis
415301	Education Psychology	2(2-0-4)			3(2-3-4)
423301	Instructional Technology	2(2-0-4)		Electronics Group	
430234	Quality Assurance	2(2-0-4)	308343	Basic Electrical Circuit Ana	alysis
433301	Educational Measurement				3(3-0-6)
	and Evaluation	3(3-0-60	308371	Elementary Electronics	3(3-0-6)
			308372	Elementary Electronics Lab	ooratory
					1(0-3-0)
			308373	Digital Electronics	3(3-0-6)

303374	Microcontroller and Applic	ations	321341	Information Systems Conce	pt	
		3(3-0-6)	•		3(3-0-6)	
308375	Microcontroller and Applic	ations	321342	management Information S	ystems	
	laboratory	1(0-3-0)			3(3-0-6)	
308377	Industrial Electronics Labo	ratory	321442	Office Management Inform	ation	
		1(0-3-0)		Center	3(3-0-6)	
308472	Computer Control and		321483	Multimedia Technology		
	Industrial Application	3(3-0-6)		Presentation	3(2-2-5)	
308473	Computer Control and Indu	ıstrial		Production Technology Gro	ир	
	Application Laboratory	1(0-3-0)	310222	C Programming	3(2-2-50	
			437351	Computer-Aided Drafting		
308474	Measuring Instruments and	l		and Design	3(2-2-5)	
	Process Control	3(3-0-6)	437352	CNC Programming	3(2-2-5)	
310222	C Programming	3(2-2-50	437353	Introduction to CAD/CAM	3(2-2-5)	
437354	Computer Aided Circuit A	nalysis	437451	451 PLC Programming for Industrial		
	and Design	3(2-2-5)			3(2-2-5)	
	Computer Group		437425	Engineering Metrology	3(2-2-50	
310212	Introduction to Computer S	Science	4. Free	Elective Courses	6 credits	
		3(2-2-5)		Students may take at least 6	credits as	
310214	Data Structure and Algorit	nms	free ele	ctive credits from courses	provided at	
		3(2-2-5)	Burapha	University or other univers	sities both in	
310222	C Programming	3(2-2-5)	Thailand	d and abroad to complete th	e graduation	
310312	System Analysis and Desig	ın	requiren	nent.		
		3(3-0-6)				
310324	Object-Oriented Programm	_				
		3(2-2-50				
310341	Database System	3(3-0-6)				
310371	Internet Technologies	3(3-0-6)				
310381	Computer in Business	3(2-2-5)				
310471	Electronic Commerce	3(3-0-6)				

Bachelor of Education Program in Music Education (Continuing Program) Courses Structure

Students are required to take a minimum of 76 credits from the following sections:

1. General Education Courses

	16 credits				
Required Courses	14 credits				
- English Group	6 credits				
- Thai Group	2 credits				
- Information Technology Group					
	3 credits				
- Interdisciplinary Integration					
Group	3 credits				
Elective Courses	2 credits				
2. Professional Teaching Courses					
	24 credits				
3. Area of Concentration C	ourses				
	30 credits				
- Major Required Courses	7 credits				
- Major Elective Courses	23 credits				
4. Free Elective Courses	6 credits				
1. General Education Courses	16 credits				
Required Courses	14 credits				

English Group

Basic English

212101 English I

212102 English II

212103 English III

212104 English IV

Profession	onal English	3 credits
212201	English for Humanities an	ď
	Social Sciences I	3(2-2-5)
212202	English for Humanities and	d
	Social Sciences II	3(2-2-5)
212207	English Communicative	
	Speaking	3(2-2-5)
212208	English Writing Skills	3(2-2-5)
	Thai Group	2 credits
208101	Thai Language Skills	2(2-0-4)
	Information Technology G	roup
		3 credits
310101	Computer and the Internet	3(2-2-5)
	Interdisciplinary Integration	on Group
		3 credits
999101	Interdisciplinary Integration	n I
		3(3-0-6)
999102	Interdisciplinary Integration	ı II
		3(3-0-6)
999103	Interdisciplinary Integration	ı III
		3(3-0-6)
Elective	Courses	2 credits
	A minimum requirement	
	is 2 credits. Students can	
	Education Courses which ar	
	culties by General Educati	on Courses
Manual (2002), Burapha University.	

2. Profe	2. Professional Teaching Courses					
401472	Professional Principle	2(2-0-4)				
404201	General Methods of Teachi	ng				
		3(3-0-6)				

6 credits

3 credits

3(3-0-6)

3(3-0-6)

3(3-0-6)

3(3-0-6)

404301	Principle of Curriculum		627186	Culture Relevant to Music	3(2-2-5)
	Development and Curriculu	m	627187	Fundamental of Theater	2(2-0-4)
	Administration	2(2-0-4)	627188	Music and Audio Visual	2(2-0-4)
404351	Professional Experience	2(1-2-3)	627203	Thai Music Iv	3(2-2-5)
404452	Student Teaching	6(0-30-0)	627204	Thai Music V	3(2-2-5)
415301	Education Psychology	2(2-0-4)	627205	Thai Music VI	3(2-2-5)
423301	Instructional Technology	2(2-0-4)	627211	Pleng Na-Pat I	3(2-2-5)
430234	Quality Assurance	2(2-0-4)	627212	Pleng Na-Pat II	3(2-2-5)
433301	Educational Measurement		627213	Pleng Tayoy	3(2-2-5)
	and Evaluation	3(3-0-6)	627214	Pleng Mahori	3(2-2-5)
3. Area	of Concentration Courses	30 credits	627215	Thai Folk Music	3(2-2-5)
MajorR	equired Courses	7 credits	627216	Pleng Deaw	3(2-2-5)
626171	Music Education in Thailan	d3(3-06)	627217	Pipat Mon	3(2-2-5)
626181	Theory of Western Music		627218	Pipat Dug Dum-Bun	3(2-2-5)
	Notation	2(2-0-4)	627219	Pipat Nanghong	3(2-2-5)
626191	Music Education	2(2-0-4)	627222	Form and Analysis of	
Major I	Elective Courses	23 credits		Thai Music	3(2-2-5)
	Thai Music Group		627223	Thai Music Composition II	2(1-2-3)
627101	Thai Music II	3(2-2-5)	627224	Thai Music Variations	3(3-0-6)
627102	Thai Music III	3(2-2-5)	627231	Thai Music Review	2(1-2-3)
627121	Thai Music Composition I	2(1-2-3)	627234	Music Project Management	3(2-2-5)
627132	Introduction to Ethnomusic	ology	627241	Creative Thai Music	3(2-2-5)
		3(3-0-6)	627242	Contemporary Music	3(2-2-5)
627133	Introduction to Music Busin	ness	627283	Kreungnang	3(2-2-5)
		2(2-0-4)	627284	Independent Study	2(1-3-2)
627 151	History of Thai Music	2(2-0-4)	627291	Seminar and Research in	
627161	Thai Classical Singing	2(2-0-4)		Music Education	3(3-0-6)
627172	Theory of Thai Music	2(2-0-4)	629292	Music Training Project of A	Academic
627173	Music Computer	3(3-0-6)		Content	3(1-4-4)
627182	Thai Music Notation	2(2-0-4)	627293	Music Thesis	6(2-8-8)
627185	Music and Theater	2(1-2-3)			

	Western Music Group		628260	Opera and Musical Comed	ies
628101	Western Music II	3(2-2-5)			2(2-0-4)
628102	Western Music III	3(2-2-5)	628261	Choral Class	2(1-2-3)
628112	Recorder I	2(1-2-3)	628291	Military Band Teaching	3(2-2-5)
628113	Recorder II	2(1-2-3)	628292	Solo	3(2-2-5)
628203	Western Music IV	3(2-2-5)	4. Free	Elective Courses	6 credits
628204	Western Music V	3(2-2-5)		Students may take at least (credits as
628205	Western Music VI	3(2-2-5)	free ele	ctive credits from courses	provided at
628206	Ensemble	3(2-2-5)	Burapha	University or other univers	sities both in
628207	Keyboard	2(1-2-3)	Thailand	and abroad to complete th	e graduation
628211	Principle of Military Band	2(2-0-4)	requirem	nent or select from the follow	ing list.
628221	Harmony and Oral Training	; 2(1-2-3)	629306	Recorder	2(1-3-2)
628222	Arranging for Band	3(3-0-6)	629334	Survey of Thai Music	2(2-0-4)
628224	Forms and Analysis I	3(3-0-6)	629335	Maintenance of Thai Instru	ment
628225	Arranging for Children Son	gs			3(3-0-6)
		3(2-2-5)	629336	Thai Ensemble	2(1-3-2)
628226	Forms and Analysis II	3(3-0-6)	629342	Acting I	2(1-3-2)
628227	Management of Music Band	d and	629343	Acting II	2(1-3-2)
	Management of Music Busi	ness	629344	Jazz Dance	2(1-1-4)
		3(2-2-5)	629345	Stage Make-up	2(1-1-4)
628251	History of Western Music	3(3-0-6)	629346	Stage Movement	2(1-1-4)
628252	Music in the Baroque Era	2(2-0-4)	629347	Play Write	2(2-0-4)
628253	Music in The Rococo and		629348	Directing	2(2-0-4)
	Classical Era	2(2-0-4)	629349	Music Therapy	2(2-0-4)
628254	Pre-baroque Music	2(2-0-4)	629362	Western Music Singing	2(1-3-2)
628255	Music in the Romantic Era	2(2-0-4)	629365	Thai Country Singing	2(1-1-4)
628256	Music in the 20 th Century	2(2-0-4)	629386	Khon	2(1-1-40
628257	International Music	2(2-0-4)	629437	Music Appreciation	2(2-0-4)
628258	Music and Health Rituals	2(2-0-4)	629438	Thai Dramatic	2(1-3-2)
628259	History of jazz music	2(2-0-4)			





Faculty of Engineering

Background

The Faculty of Engineering was established in 1994. At present, students in the Faculty of Engineering are required to complete 4 years of course work. The program is divided into 5 majors.

Departments

- 1. Department of Chemical Engineering
- 2. Department of Industrial Engineering
- 3. Department of Civil Engineering
- 4. Department of Electrical Engineering
- 5. Department of Mechanical Engineering

Degrees Offered

The Faculty of Engineering offers 5 Bachelor level degrees

- 1. Bachelor of Engineering (B.Eng., Chemical Engineering)
- 2. Bachelor of Engineering (B.Eng., Industrial Engineering)
- 3. Bachelor of Engineering (B.Eng., Civil Engineering)
- 4. Bachelor of Engineering (B.Eng., Electrical Engineering)
- 5. Bachelor of Engineering (B.Eng., Mechanical Engineering)

Bachelor of Engineering Program in Chemical Engineering

Courses Structure

Students are required to take a minimum of 145 credits from the following sections:

1. General Education Courses

30 credits

Required Courses 26 credits

- English Group 12 credits

- Thai Group 2 credits

- Information Technology Group

3 credits

- Interdisciplinary Integration

Group 9 credits

Elective Courses 4 credits

2. Area of Concentration Course

109 credits

- Basic Science Course 21 credits

- Basic Engineering 23 credits

- Required Professional Courses

59 credits

- Elective Professional Courses

6 credits

3. Free Elective Courses 6 credits

1. Gene	ral Education Courses	30 credits	2. Area	of Concentration Courses	109 credits
Require	d Courses	26 credits		Basic Science Course	21 credits
	English Group	12 credits	302111	Calculus I	3(3-0-6)
Basic Eng	glish	6 credits	302112	Calculus II	3(3-0-6)
212101	English I	3(3-0-6)	302216	Calculus of Several Variable	es
212102	English II	3(3-0-6)			3(3-0-6)
212103	English III	3(3-0-6)	303104	General Chemistry	3(3-0-6)
212104	English IV	3(3-0-6)	303105	General Chemistry Laborate	ory
Profession	nal English	6 credits			1(0-3-0)
212205	English for Science and Tec	chnology I	308101	Introductory Physics I	3(3-0-6)
	·	3(2-2-5)	308102	Introductory Physics II	3(3-0-6)
212206	English for Science and Tec	chnology II	308103	Introductory Physics Labora	atorý I
		3(2-2-5)			1(0-3-0)
	Thai Group	2 credits	308204	Introductory Physics Labora	atory II
208101	Thai Language Skills	2(2-0-4)			1(0-3-0)
	Information Technology Gr	oup		Basic Engineering	21 credits
		3 credits	510101	Engineering Drawing	3(2-3-4)
310101	Computer and the Internet	3(3-0-6)	510181	Engineering Mechanics	3(3-0-6)
	Interdisciplinary Integration	a Group	515201	Fundamental of Electrical	
		9 credits		Engineering I	3(3-0-6)
999101	Interdisciplinary Integration		515202	Fundamental of Electrical	
		3(3-0-6)		Engineering Laboratory I	1(0-3-0)
999102	Interdisciplinary Integration		515211	Computer Programming for	•
		3(3-0-6)		Engineering	3(2-3-4)
999103	Interdisciplinary Integration		525223	Chemical Engineering	
		3(3-0-6)		Thermodynamics I	3(3-0-6)
Élective	Courses	4 credits	525231	Fluid Mechanics for Chemi	cal
	A minimum requirement fo			Engineering	3(2-3-4)
	is 4 credits. Students can sele		525371	Engineering Materials and	Selection
	Education Courses which are				3(3-0-6)
other fac	culties from General Education	on Courses			

Manual (2002), Burapha University.

525391	Chemical Engineering Practical		525372	Chemical Process Industries 1(1-0	
	Training	1(0-6-0)	525434	Transport Phenomena	3(3-0-6)
	Required Professional Cour	rses	525452	Chemical Engineering	
		59 credits		Laboratory II	2(1-3-2)
525101	Research Methodology	1(1-0-2)	525461	Process Dynamics and Con	trol
525202	Organic Chemistry for Che	mical			3(3-0-6)
	Engineering	3(3-0-6)	525462	Chemical Engineering Econ	omics
525203	Organic Chemistry for Chemistry	mical		and Cost Estimation	3(3-0-6)
	Engineering Laboratory	1(0-3-0)	525463	Chemical Engineering Plant	t ·
525211	Analytical and Instrumental	l Chemistry		Design	3(3-0-6)
		3(3-0-6)	525473	Safety in Chemical Operation	ons
525212	Analytical and Instrumental	Chemistry			3(3-0-6)
	Laboratory	1(0-3-0)	525497	Chemical Engineering Semi	inar
525213	Chemical Engineering Prince	ciples and			1(0-2-1)
	Calculations	3(3-0-6)	525498	Chemical Engineering Proje	ect I
525214	Applied Mathematics for Cl	hemical			1(0-2-1)
	Engineering I	3(3-0-6)	525499	Chemical Engineering Proje	ect II
525221	Physical Chemistry for Che	mical			3(0-6-3)
	Engineering	3(3-0-6)		Elective Professional Course	s 6credits
525222	Physical Chemistry for Che	mical	525416	Applied Computer for Chen	nical
	Engineering Laboratory	1(0-3-0)		Engineering	3(3-0-6)
525224	Chemical Engineering		525442	Catalytic Reactor Design	3(3-0-6)
	Thermodynamics II	3(3-0-6)	525474	Polymer Engineering and So	cience
525315	Applied Mathematics for				3(3-0-6)
	Chemical Engineering II	3(3-0-6)	525481	Biochemical Engineering	3(3-0-6)
525332	Heat Transfer	3(3-0-6)	525482	Natural Gas and Petroleum	
525333	Mass Transfer	3(3-0-6)		Technology	3(3-0-6)
525341	Chemical Engineering Kine	tics	525483	Membrane Technology	3(3-0-6)
	and Reactor Design	3(3-0-6)	525484	Sugar Processing and Indust	ry
525351	Chemical Engineering Labo	ratory I			3(3-0-6)
		2(1-3-2)	525485	Pulp and Paper Technology	3(3-0-6)

525486	525486 Pollution Control and Waste			2. Area of Concentration (Course
323400	Treatment	3(3-0-6)			113 credits
525492	Selected Topics in Chemica	•		- Basic Science	21 credits
323492	Engineering I	3(3-0-6)		- Basic Engineering	25 credits
525493	_	, ,		- Required Professiona	
323493	Selected Topics in Chemica	3(3-0-6)		- Required Frotessiona	58 credits
505406	Engineering II		,	- Elective Professional	
	Research and Development			- Elective Flotessional	9 credits
3. Free	Elective Courses	6 credits		2. Poss Floridos Consesso	6 credits
	Students may take at least 6			3. Free Elective Courses	
	tive credits from courses pro			eral Education Courses	30 credits
Burapha University or other universities both in		Require	ed Courses	26 credits	
Thailand	and abroad to complete the	graduation		English Group	12 credits
requirem	nent.		Basic Eng		6 credits
			212101	English I	3(3-0-6)
Bach	elor of Engineering Pro	gram in	212102	English II	3(3-0-6)
Civil Engineering			212103	English III	3(3-0-6)
Courses	Structure		212104	English IV	3(3-0-6)
Courses	Students are required t	o take a	Professional English 212205 English for Science and To		6 credits
!!	n of 149 credits from the				chnology I
		tonowing			3(2-2-5)
sections:			212206	English for Science and Te	chnology II
	1. General Education Cour				3(2-2-5)
	D : 10	30 credits		Thai Group	2 credits
	Required Courses	26 credits	208101	Thai Language Skills	2(2-0-4)
	- English Group	12 credits		Information Technology G	roup
	- Thai Group	2 credits			3 credits
	- Information Technolog		310101	Computer and the Internet	3(3-0-6)
		3 credits		Interdisciplinary Integration	n
	- Interdisciplinary Integ	ration		Group	9 credits
	Group	9 credits	999101	Interdisciplinary Integration	n I 3(3-0-6)
	Elective Courses	4 credits	999102	Interdisciplinary Integration	n II
					3(3-0-6)

999103	Interdisciplinary Integration	III	520101	Statics	3(3-0-6)
		3(3-0-6)	520202	Hydraulics	3(3-0-6)
Elective	Courses	4 credits	520203	Hydraulics Laboratory	1(0-3-0)
	A minimum requirement for	elective	520204	Strength of Materials I	3(3-0-6)
courses i	s 4 credits. Students can selec	et from	520491	Civil Engineering Practical	
General Education Courses which are offered in other faculties from General Education Courses Manual (2002), Burapha University. 2. Area of Concentration Courses Basic Science 21 credits 302111 Calculus I 3(3-0-6) 302112 Calculus II 3(3-0-6)				Training	1(0-6-0)
other fac	ulties from General Education	n Courses		Required Professional Cours	es
Manual (2002), Burapha University.				58 credits
2. Area	of Concentration Courses	143 credits	520205	Strength of Materials II	2(2-0-4)
	Basic Science	21 credits	520221	Surveying	3(2-3-4)
302111	Calculus I	3(3-0-6)	520241	Theory of Structures	3(3-0-6)
302112	Calculus II	3(3-0-6)	520281	Hydrology	3(3-0-6)
302216	Calculus of Several Variable	es	520322	Surveying Engineering	3(2-3-4)
		3(3-0-6)	520323	Survey Field Practice	1(0-3-0)
303104	General Chemistry	3(3-0-6)	520331	Material Testing Laboratory	1(0-3-0)
303105	General Chemistry Laborato	ory	520332	Concrete Technology	2(1-3-2)
		1(0-3-0)	520342	Structural Analysis	3(3-0-6)
308101	Introductory Physics I	3(3-0-6)	520343	Reinforce Concrete Design	3(3-0-6)
308102	Introductory Physics II	3(3-0-6)	520351	Statistics and Economics for	,
308103	Introductory Physics Labora	tory I		Decision Making	3(3-0-6)
		1(0-3-6)	520361	Soil Mechanics	3(3-0-6)
308204	Introductory Physics Labora	tory II	520362	Soil Mechanics Laboratory	1(0-3-0)
		1(0-3-6)	520371	Transportation Engineering	3(3-0-6)
	Basic Engineering	25 credits	520372	Highway Engineering	3(3-0-6)
505101	Engineering Workshop Prac	tice	520373	Highway Engineering Labor	atory
		2(1-5-0)			1(0-3-0)
505202	Engineering Materials	3(3-0-6)	520382	Water Supply and Sanitary	
510101	Engineering Drawing	3(2-3-4)		Engineering	3(3-0-6)
510202	Dynamics	3(3-0-6)	520444	Timber and Steel Design	3(3-0-6)
515211	Computer Programming for		520452	Construction Management	3(3-0-6)
	Engineering	3(2-3-4)	520463	Foundation Engineering	3(3-0-6)

520483	Hydraulics Engineering	3(3-0-6)	Thailand and	d abroad to complete the	graduation
520484	Hydraulics Engineering Lab	oratory	requirement		
		1(0-3-0)			
520498	Civil Engineering Project I	1(0-3-0)	Bachelo	r of Engineering Pro	gram in
520499	Civil Engineering Project II	3(0-9-0)	E	lectrical Engineering	<u>.</u>
	Elective Professional Course	9 credits	Courses Str	-	
520433	Highway Materials	3(3-0-6)		idents are required t	o take a
520434	Durability of Concrete	3(3-0-6)		•	
520445	Construction Techniques	3(3-0-6)	sections:	f 150 credits from the	ionowing
520446	Bridge Design	3(3-0-6)		General Education Cours	
520447	Building Design	3(3-0-6)	1.	General Education Cours	30 credits
520448	Prestressed Concrete	3(3-0-6)		Bassinal Course	
520453	Project Planning and Manag	gement		Required Courses	26 credits
		3(3-0-6)		- English Group	12 credits
520464	Engineering Geology	3(2-3-4)		- Thai Group	2 credits
520465	Soil Dynamics	3(3-0-6)		- Information Technolog	
520466	Soil Improvement	3(3-0-6)		Group	3 credits
520474	Pavement Design	3(3-0-6)		- Interdisciplinary Integr	ration
520475	Traffic Engineering	3(3-0-6)		Group	9 credits
520485	Drainage Engineering	3(3-0-6)		Elective Courses	4 credits
520486	Water Resources Engineering		2.	Area of Concentration C	ourse
320480	· ·	3(3-0-6)			114 credits
500405	Occasion Provincesian			- Basic Science	27 credits
520487	Coastal Engineering	3(3-0-6)		- Basic Engineering	27 credits
520492	Environmental Systems and			- Required Professional	Courses
	Management	3(3-0-6)			30 credits
520493	Safety and Construction Lav			- Elective Professional (Courses
		3(3-0-6)			30 credits
3. Free	Elective Courses	6 credits	3.	Free Elective Courses	6 credits
	Students may take at least 6	credits as			

free elective credits from courses provided at Burapha University or other universities both in

1. General Education Courses		30 credits	Interdisciplinary Integratio		ı
Require	d Courses	26 credits		Group	9 credits
	English Group	12 credits	999101	Interdisciplinary Integration	I
Basic Eng	glish	6 credits			3(3-0-6)
212101	English I	3(3-0-6)	999102	Interdisciplinary Integration	II
212102	English II	3(3-0-6)	•		3(3-0-6)
212103	English III	3(3-0-6)	999103	Interdisciplinary Integration	III
212104	English IV	3(3-0-6)			3(3-0-6)
Profession	nal English	6 credits	Elective	Courses	4 credits
212201	English for Humanities and	Social		A minimum requirement for	r elective
	Sciences I	3(2-2-5)	courses	is 4 credits. Students can sele	ect from
212202	English for Humanities and	Social	General Education Courses which are offered in		
	Sciences II	3(2-2-5)	other faculties from General Education Courses		
212203	English for Health Sciences	I	Manual (2002), Burapha University.		
		3(2-2-5)	2. Area	of Concentration Courses	114 credits
212204	English for Health Sciences	II		Basic Science	27 credits
		3(2-2-5)	302111	Calculus I	3(3-0-6)
212205	English for Science and		302112	Calculus II	3(3-0-6)
	Technology I	3(2-2-5)	302216	Calculus of Several Variable	es
212206	English for Science and				3(3-0-6)
		- ()			
		3(2-2-5)	302281	Ordinary Differential Equat	ions
212207	English Communicative	3(2-2-5)	302281	Ordinary Differential Equat	ions 3(3-0-6)
212207	English Communicative Speaking	3(2-2-5) 3(2-2-5)		Ordinary Differential Equators Statistics For Engineer	
212207 212208	-				3(3-0-6)
	Speaking	3(2-2-5)	312204	Statistics For Engineer	3(3-0-6) 3(3-0-6)
	Speaking English Writing Skills	3(2-2-5) 3(2-0-6)	312204 308101	Statistics For Engineer Introductory Physics I	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)
212208	Speaking English Writing Skills Thai Group	3(2-2-5) 3(2-0-6) 2 credits 2(2-0-4)	312204 308101 308102	Statistics For Engineer Introductory Physics I Introductory Physics II	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)
212208	Speaking English Writing Skills Thai Group Thai I	3(2-2-5) 3(2-0-6) 2 credits 2(2-0-4)	312204 308101 308102	Statistics For Engineer Introductory Physics I Introductory Physics II Introductory Physics Labor	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6) atory I 1(0-3-6)
212208	Speaking English Writing Skills Thai Group Thai I	3(2-2-5) 3(2-0-6) 2 credits 2(2-0-4)	312204 308101 308102 308103	Statistics For Engineer Introductory Physics I Introductory Physics II Introductory Physics Labor	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6) atory I 1(0-3-6)

303105	General Chemistry Laboratory		515493	Electrical Engineering Project I	
		1(0-3-0)			3(0-9-0)
	Basic Engineering	27 credits	515494	Electrical Engineering Proje	ct II
505101	Engineering Workshop Prac	etice			3(0-9-0)
		2(1-5-0)		Elective Professional Course	S
505202	Engineering Materials	3(3-0-6)		•	30 credits
510101	Engineering Drawing	3(2-3-4)	Group 1	Electronically Engineering	
510181	Engineering Mechanics	3(3-0-6)	515341	Digital Signal Processing	3(3-0-6)
515112	Electric Circuit	3(2-3-4)	515342	Sensors and Transducers	3(3-0-6)
515211	Computer Programming for		515343	Electronics Circuit Analysis	3(3-0-6)
	Engineering	3(2-3-4)	515344	Microelectronics Design	3(3-0-6)
515213	Engineering Electronics	3(2-3-4)	515345	Opto Electronics	3(3-0-6)
515314	Control System	3(2-3-4)	515446	Mechatronics System	3(3-0-6)
515315	Electromagnetic Fields	3(3-0-6)	515447	Real Time System	3(3-0-6)
515416	Electrical Engineering Practical		515448	Integrated Circuit and VLSI Design	
	Training	1(0-3-0)			3(3-0-6)
	Required Professional Cours	ses	515449	Communication and Control	
		30 credits		Electronics	3(3-0-6)
505221	Engineering Management	3(3-0-6)	Group 2	Computer Engineering	
515217	Electrical Instrument and M	easurement	515361	Computer Programming Technique	
		3(3-0-6)			3(2-3-4)
515218	Electrical Machine	3(2-3-4)	515362	Assembly Language Technic	que
515219	Digital Electronics	3(2-3-4)			3(2-3-4)
515220	Computer Technology	3(2-3-4)	515363	Computer Graphic Engineer	ing
515321	Electrical Engineering Math	ematics			3(3-2-4)
		3(3-0-6)	515364	Microprocessor and Interfac	ing
515322	Data Communication and N	etwork			3(3-0-6)
		3(3-0-6)	515365	Computer Operating System	3(2-3-4)
5 15 3 91	Seminars	1(1-0-2)	515366	Unix	3(2-3-4)
515392	Independent Study	2(0-6-0)	515467	Image Processing	3(3-0-6)
	Indopondone Diady				
	Maspanasin Study	,		•	

515468	Introduction to Artificial Inte	elligence	Bachelor of Engineering Program	n ir
		3(3-0-6)	Industrial Engineering	
515469	Software Engineering	3(3-0-6)	Courses Structure	
Group 3	Telecommunication Engineer	ring	Students are required to to	ake
515315	Digital Communication	3(3-0-6)	minimum of 149 credits from the following	low
515322	Communication Network an	d	sections:	
	Transmission Lines	3(3-0-6)	General Education Courses	
515373	Microwave Engineering	3(3-0-6)	-,	cred
515374	Telephone Engineering	3(3-0-6)		cre
515375	Communication Engineering	g3(3-0-6)	•	сге
515476	Optical Communication	3(3-0-6)	•	cre
515477	Antenna Engineering	3(3-0-6)	- Information Technology	OI CI
515475	Radio Wave Propagation	3(3-0-6)		сге
515479	Communication Channel	3(3-0-6)		
Group 4	Electrical Power		- Interdisciplinary Integratio	
515331	Illumination Engineering	3(3-0-6)		cre
515332	Electrical Power System An	alysis		cre
		3(2-3-4)	2. Area of Concentration Cours	
515333	Electrical System Design	3(3-0-6)	113	
515434	Power Electronics	3(3-0-6)	- Basic Science and Mathem	
515435	Protection and Relay	3(2-3-4)		cre
	Power Plant and Substation	3(3-0-6)		cre
	High-Voltage Engineering	(3-3-0-6)	- Required Professional Cou	
515438		3(3-0-6)		cre
515439	Electric Drive	3(3-0-6)	- Elective Professional Cour	ses
	Elective Courses	6 credits		cre
			3. Free Elective Courses 6	cre

Students may take at least 6 credits as free elective credits from courses provided at Burapha University or other universities both in Thailand and abroad to complete the graduation requirement.

e a wing

		30 credits
	Required Courses	26 credits
	- English Group	12 credits
	- Thai Group	2 credits
	- Information Technolo	gy
	Group	3 credits
	- Interdisciplinary Integ	gration
	Group	9 credits
	Elective Courses	4 credits
2.	Area of Concentration (Course
	·	113 credits
	- Basic Science and Ma	thematics
	Course	21 credits

edits es redits

redits

redits

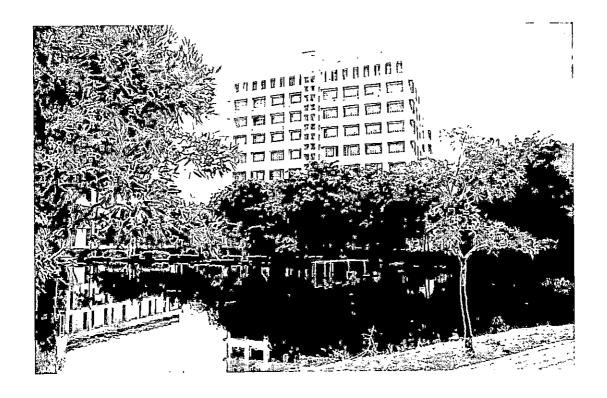
1. General Education Courses		30 credits	2. Area	of Concentration Courses	113 credits
Require	ed Courses	26 credits		Basic Science and Mathema	tics
	English Group	12 credits			21 credits
Basic En	glish	6 credits	302111	Calculus I	3(3-0-6)
212101	English I	3(3-0-6)	302112	Calculus II	3(3-0-6)
212102	English II	3(3-0-6)	302216	Calculus of Several Variabl	es
212103	English III	3(3-0-6)			3(3-0-6)
212104	English IV	3(3-0-6)	303104	General Chemistry	3(3-0-6)
Professio	nal English	6 credits	303105	General Chemistry Laborate	ory
212205	English for Science and Tec	chnology I			1(0-3-0)
		3(2-2-5)	308101	Introductory Physics I	3(3-0-6)
212206	English for Science and Tec	chnology II	308102	Introductory Physics II	3(3-0-6)
		3(2-2-5)	308103	Introductory Physics Labora	atory I
	Thai Group	2 credits			1(0-3-6)
208101	Thai I	2(2-0-4)	308204	Introductory Physics Labora	atory II
Information Technology Group		oup			1(0-3-6)
		3 credits		Basic Engineering	24 credits
310101	Computer and the Internet	3(3-0-6)	312204	Statistics for Engineering	3(3-0-6)
Interdisciplinary Integration Group		505101	Engineering Workshop Practice		
9 credits					2(1-5-0)
999101	Interdisciplinary Integration	ı I	505202	Engineering Materials	3(3-0-6)
		3(3-0-6)	505243	Manufacturing Process I	3(3-0-6)
999102	Interdisciplinary Integration	ıII	510101	Engineering Drawing	3(2-3-4)
		3(3-0-6)	515201	Fundamental of Electrical	
999103	Interdisciplinary Integration	ı III		Engineering I	3(3-0-6)
		3(3-0-6)	515202	Fundamental of Electrical	
Elective	Courses	4 credits		Engineering Laboratory I	1(0-3-0)
	A minimum requirement for	r elective	515211	Computer Programming for	
courses	is 4 credits. Students can sele	ect from		Engineering	3(2-3-4)
General	Education Courses which are	e offered in	520101	Statics	3(3-0-6)
other fac	culties from General Education	on Courses			
Manual	Manual (2002), Burapha University.				

	Required Professional Courses		505492	05492 Industrial Engineering Project II	
		59 credits			2(0-6-0)
510251	Mechanics of Materials	3(3-0-6)		Elective Professional Course	s 9 credits
510382	Introduction to Thermodyna	mics and	505431	Safety Engineering	3(3-0-6)
	Fluid Mechanics	3(3-0-6)	505432	Value Engineering	3(3-0-6)
505404	Engineering Practical Traini	ing	505433	Operations Research II	3(3-0-6)
		1(0-3-0)	505434	Engineering Optimization	3(3-0-6)
505221	Engineering Management	3(3-0-6)	505435	Logistics	3(3-0-6)
505222	Engineering Statistics	3(3-0-6)	505436	Engineering Experimental I	Design
505241	Production Drawing	2(1-3-2)			3(3-0-6)
505242	Advanced Engineering Mat	erials	505437	Project Management	3(3-0-6)
		3(2-3-4)	505451	Tool Engineering	3(3-0-6)
505303	Engineering Economy	3(3-0-6)	505452	Industrial Automation II	3(2-3-4)
505323	Industrial Work Study	3(3-0-6)	505453	Nondestructive Testing	3(2-3-4)
505324	Quality Control	3(3-0-6)	505471	Industrial Environment Man	nagement
505325	Production Planning and Co	ontrol			3(3-0-6)
		3(3-0-6)	505438	Selected Topics in Industria	ıl
505326	Operations Research I	3(3-0-6)		Engineering	3(3-0-6)
505327	Industrial Plant Design	3(3-0-6)	505439	Quality Assurance	3(3-0-6)
505344	Manufacturing Process II	3(3-0-6)	3. Free	Elective Courses	6 credits
505345	Production Workshop I	2(0-6-0)		Students may take at least 6	credits as
505346	Production Workshop II	2(0-6-0)	free elec	ctive credits from courses pro	vided at
505347	Industrial Automation I	3(2-3-4)	Burapha	university or other university	ties both in
505428	Ergonomics	3(3-0-6)	Thailan	d and abroad to complete the	graduation
505429	Industrial Cost Analysis and	d	requiren	ment.	
	Budgeting	3(3-0-6)			
505448	Maintenance Engineering	3(3-0-6)			
505481	Industrial Engineering Sem	inar			
		1(0-2-1)			
505491	Industrial Engineering Proj	ect I			
		1(0-3-0)			

Mechanical Engineering Courses Structure Students are required to take a minimum of 150 credits from the following sections: 1. General Education Courses 1. General Education Courses Required Courses 26 credits - English Group 12 credits - Thai Group 2 credits - Information Technology Group - Interdisciplinary Integration Group 9 credits Elective Courses 4 credits - Basic Science 21 credits - Basic Engineering 24 credits - Basic Engineering 24 credits - Basic Engineering 24 credits - Students are required to take a 3(3-0-6) and 3(2-2-3) 212205 English for Science and Technology Science and Technology Credits - Students are required to take a 3(2-2-3) 3(2-2-3) 212206 English for Science and Technology Group 2 credits - Students are required to take a 3(2-2-3) 3(2-2-3) 3(2-2-3) 3(2-2-3) Thai Group 2 credits - Information Technology Group - Interdisciplinary Integration I Group 9 credits - Students are required to take a 3(2-2-3) 3(2-2-3) Thai Group 2 credits - Information Technology Group - Interdisciplinary Integration I Group 9 credits - Students are required to take a 3(2-2-3) 3(2-2-3) Thai Group 2 credits - Information Technology Group - Interdisciplinary Integration I Group 9 credits - Interdisciplinary Integration I II Group 1 (1) - Interdisciplinary Integration I II (1) - Interdisciplinar	3(2-2-5) Sechnology II 3(2-2-5) 2 credits 2(2-0-4) Group 3 credits t 3(3-0-6) ion
Students are required to take a minimum of 150 credits from the following sections: 1. General Education Courses 1. Group 1. Thai Language Skills 1. Computer and the Internet 1. Group 1. Group 1. Thai Language Skills 1. Group 1. Thai Language Skills 1. Group 1. Thai Language Skills 1. Group 1	6 credits Cechnology I
Students are required to take a minimum of 150 credits from the following sections: 1. General Education Courses 1. Group 1. Computer and the Internet 1. Group 1. Interdisciplinary Integration 1. Group 1. Group 1. Group 1. Group 1. Interdisciplinary Integration 1. Group 1. Interdisciplinary Integration Interdisciplinary In	3(2-2-5) Sechnology II 3(2-2-5) 2 credits 2(2-0-4) Group 3 credits t 3(3-0-6) ion
Students are required to take a minimum of 150 credits from the following sections: 1. General Education Courses 1. General Education Courses 30 credits Required Courses 26 credits - English Group 12 credits - Thai Group 2 credits - Information Technology Group Interdisciplinary Integration Group 9 credits Elective Courses 4 credits - Basic Science 21 credits - Basic Engineering 24 credits - Required Professional Courses 60 credits - Elective Professional Courses A minimum requirement for elective courses is 4 credits. Students can select from	3(2-2-5) Sechnology II 3(2-2-5) 2 credits 2(2-0-4) Group 3 credits t 3(3-0-6) ion
minimum of 150 credits from the following sections: 1. General Education Courses Required Courses 26 credits - English Group 12 credits - Thai Group 2 credits - Information Technology Group - Interdisciplinary Integration Group 9 credits - Interdisciplinary Integration Group 9 credits - Elective Courses 4 credits - Basic Science 21 credits - Basic Engineering 24 credits - Required Professional Courses 60 credits - Elective Professional Courses - Elective Professional Cou	3(2-2-5) 2 credits 2(2-0-4) Group 3 credits t 3(3-0-6) ion
Sections: 1. General Education Courses 30 credits Required Courses 26 credits - English Group 12 credits - Thai Group 2 credits - Information Technology Group Interdisciplinary Integration Group 9 credits Elective Courses 4 credits - Basic Science 114 credits - Basic Engineering 24 credits - Required Professional Courses 60 credits - Elective Professional Courses 60 credits - Required Professional Courses 60 credits - Required Professional Courses - Elective Professional Course - Elective Professional C	3(2-2-5) 2 credits 2(2-0-4) Group 3 credits t 3(3-0-6)
1. General Education Courses 30 credits Required Courses 26 credits - English Group 12 credits - Thai Group 2 credits - Information Technology Group 3 credits - Interdisciplinary Integration Group 9 credits Elective Courses 4 credits - Basic Science 21 credits - Required Professional Courses 60 credits 30 credits 208101 Thai Language Skills 2(2-0-4 Information Technology Group Interdisciplinary Integration Group 9 credits 999101 Interdisciplinary Integration II 2. Area of Concentration Course A minimum requirement for elective courses is 4 credits. Students can select from	2 credits 2(2-0-4) Group 3 credits t 3(3-0-6)
Thai Group 2 credits Required Courses 26 credits - English Group 12 credits - Thai Group 2 credits - Information Technology Group - Information Technology Group - Interdisciplinary Integration Group 9 credits Elective Courses 4 credits - Basic Science 21 credits - Required Professional Courses 60 credits 208101 Thai Language Skills 2(2-0-4 Information Technology Group 3 cred 3 10101 Computer and the Internet 3(3-0-6 Interdisciplinary Integration 999101 Interdisciplinary Integration II 2. Area of Concentration Course 114 credits 999102 Interdisciplinary Integration III - Basic Science 21 credits - Required Professional Courses 60 credits - Elective Courses A minimum requirement for elective courses is 4 credits. Students can select from	2(2-0-4) Group 3 credits t 3(3-0-6)
Required Courses 26 credits - English Group 12 credits - Thai Group 2 credits - Information Technology Group - Interdisciplinary Integration Group 9 credits - Elective Courses 4 credits - Basic Science 21 credits - Required Professional Courses 208101 Thai Language Skills 2(2-0-4) Information Technology Group 3 credits Group 9 credits Group 9 credits 3(3-0-6) 114 credits 999102 Interdisciplinary Integration II 999103 Interdisciplinary Integration III Elective Courses 4 credits - Required Professional Courses 60 credits - Elective Professional Courses	3 credits t 3(3-0-6)
Information Technology Group - English Group - Thai Group - Information Technology Group - Information Technology Group - Information Technology Group - Interdisciplinary Integration - Group - Interdisciplinary Integration - Group - Gro	3 credits t 3(3-0-6)
Thai Group 2 credits - Information Technology Group 3 credits - Interdisciplinary Integration Group 9 credits Elective Courses 114 credits - Basic Science 114 credits - Required Professional Courses 60 credits 310101 Computer and the Internet 3(3-0-6) Interdisciplinary Integration 999101 Interdisciplinary Integration II 999102 Interdisciplinary Integration III 999103 Interdisciplinary Integration III Elective Courses 4 cred A minimum requirement for elective courses is 4 credits. Students can select from	t 3(3-0-6)
- Information Technology Group 3 credits - Interdisciplinary Integration Group 999101 Interdisciplinary Integration I Group 999102 Interdisciplinary Integration II 2. Area of Concentration Course 114 credits - Basic Science 114 credits - Basic Engineering - Required Professional Courses 60 credits - Elective Professional Courses	ion
Interdisciplinary Integration 3 credits Group 999101 Interdisciplinary Integration I Group 999102 Interdisciplinary Integration II 2. Area of Concentration Course 114 credits 999103 Interdisciplinary Integration III - Basic Science 21 credits - Basic Engineering 24 credits - Required Professional Courses 60 credits - Elective Courses A minimum requirement for elective courses is 4 credits. Students can select from	
- Interdisciplinary Integration Group 9 credits Group 9 credits 3 (3-0-6) Elective Courses 4 credits 999102 Interdisciplinary Integration II 2. Area of Concentration Course 114 credits 999103 Interdisciplinary Integration III - Basic Science 114 credits 999103 Interdisciplinary Integration III - Basic Engineering 99104 Interdisciplinary Integration III Elective Courses 4 cred A minimum requirement for elective courses is 4 credits. Students can select from	A areadise
Group 9 credits 3(3-0-6 Elective Courses 4 credits 999102 Interdisciplinary Integration II 2. Area of Concentration Course 3(3-0-6 114 credits 999103 Interdisciplinary Integration III - Basic Science 21 credits 3(3-0-6 - Basic Engineering 24 credits 4 credits - Required Professional Courses A minimum requirement for elective courses is 4 credits. Students can select from	y creaits
Elective Courses 4 credits 999102 Interdisciplinary Integration II 2. Area of Concentration Course 3(3-0-6) 114 credits 999103 Interdisciplinary Integration III - Basic Science 21 credits 3(3-0-6) - Basic Engineering 24 credits - Required Professional Courses A minimum requirement for elective courses is 4 credits. Students can select from	on I
2. Area of Concentration Course 114 credits 999102 Interdisciplinary Integration II 999103 Interdisciplinary Integration III - Basic Science 21 credits - Basic Engineering 24 credits - Required Professional Courses 60 credits - Elective Professional Courses A minimum requirement for elective courses is 4 credits. Students can select from	3(3-0-6)
114 credits 999103 Interdisciplinary Integration III - Basic Science 21 credits - Basic Engineering 24 credits - Required Professional Courses 60 credits - Elective Professional Courses - Elective Professional Courses - Elective Professional Courses - Elective Professional Courses	on II
- Basic Science 21 credits 3(3-0-6 - Basic Engineering 24 credits - Required Professional Courses 60 credits - Elective Professional Courses - Elective Professional Courses A minimum requirement for elective courses is 4 credits. Students can select from	3(3-0-6)
- Basic Engineering 24 credits - Required Professional Courses 60 credits - Elective Professional Courses Courses is 4 credits. Students can select from	on III
- Basic Engineering 24 credits - Required Professional Courses 60 credits - Elective Professional Courses Courses is 4 credits. Students can select from	3(3-0-6)
60 credits courses is 4 credits. Students can select from	4 credits
60 credits courses is 4 credits. Students can select from	for elective
- Flactive Professional Courses	
9 credits other faculties from General Education Course	ion Courses
3. Free Elective Courses 6 credits Manual (2002), Burapha University.	·
1. General Education Courses 30 credits 2. Area of Concentration Courses 144 credits	
Dominal Courses 26 andits	s 144 credits
Fundish Custom 12 anadita	s 144 credits 21 credits
Racio English 6 credits	
212101 English I 3(3-0-6) 302216 Calculus of Several Variables	21 credits 3(3-0-6)
212102 English II 3(3-0-6) 3(3-0-6)	21 credits 3(3-0-6) 3(3-0-6)

303104	General Chemistry	3(3-0-6)	510324	Heat Transfer	3(3-0-6)
303105	General Chemistry Laborato	ту	510331	Refrigeration	3(3-0-6)
		1(0-3-0)	510361	Machine Design	3(3-0-6)
308101	Introductory Physics I	3(3-0-6)	510362	Mechanics of Machinery	3(3-0-6)
308102	Introductory Physics II	3(3-0-6)	510363	· Automatic Control	3(3-0-6)
308103	Introductory Physics Labora	itory I	510364	Mechanical Vibration	3(3-0-6)
		1(0-3-6)	510371	Mechanical Engineering	
308204	Introductory Physics Labora	itory II		Laboratory I	1(0-3-0)
		1(0-3-6)	510405	Mechanical Engineering	
	Basic Engineering	24 credits		Practical Training	1(0-6-0)
505202	Engineering Materials	3(3-0-6)	510432	Air Conditioning	3(3-0-6)
510101	Engineering Drawing	3(2-3-4)	510442	Power Plant Engineering	3(3-0-6)
510202	Dynamics	3(3-0-6)	510472	Mechanical Engineering	
510221	Fluid Mechanics	3(3-0-6)		Laboratory II	1(0-3-0)
510222	Thermodynamics	3(3-0-6)	510498	Mechanical Engineering	
510251	Mechanics of Materials	3(3-0-6)		Project I	3(0-9-0)
515211	Computer Programming for		510499	Mechanical Engineering	
	Engineering	3(2-3-4)		Project II	3(0-9-0)
520101	Statics	3(3-0-6)	515201	Fundamental of Electrical	
	Required Professional Cours	ses		Engineering I	3(3-0-6)
		60 credits	515202	Fundamental of Electrical	
302281	Ordinary Differential Equati	ions		Engineering Laboratory I	1(0-3-0)
		3(3-0-6)	515203	Fundamental of Electrical	
312204	Statistics for Engineering	3(3-0-6)		Engineering II	3(3-0-6)
			515204	Fundamental of Electrical	
505101	Engineering Workshop Prac	tice		Engineering Laboratory II	1(0-3-0)
		2(1-5-0)		Elective Professional Course	9 credits
505303	Engineering Economy	3(3-0-6)	505221	Engineering Management	3(3-0-6)
510203	Mechanical Drawing	2(1-2-3)	510341	Internal Combustion Engine	:s
510304	Numerical Methods	3(3-0-6)			3(3-0-6)
510323	Advanced Thermodynamics	3(3-0-6)	510433	Design of Thermal Systems	3(3-0-6)

510434	Design of Building Piping System		510491	Plant Engineering Applicati	ons
		3(3-0-6)			3(2-3-4)
510435	Design of Industrial Piping	System	510492	Seminar and Case Study	3(2-3-4)
		3(3-0-6)	510493	Special Study in Mechanica	.1
510443	Automotive Engineering	3(3-0-6)		Engineering	3(3-0-6)
510444	Combustion	3(3-0-6)	510494	Analysis of Mechanical	
510445	Gas Turbines	3(3-0-6)		Engineering Problem	3(2-3-4)
510452	Advanced Mechanics of Materials		3. Free Elective Courses 6		6 credits
	3(3-0-6)			Students may take at least 6	credits as
510465	Computer-Aided Design and		free elective credits from subjects provided at		
	Computer-Aided Manufacturing		Burapha University or other universities both in		
		3(3-0-6)	Thailand	d and abroad to complete the	graduation
510466	Industrial Robot	3(3-0-6)	requiren	nent.	
510467	Finite Element Method	3(3-0-6)			
510473	Fluid Machinery	3(3-0-6)			
510474	Fluid Power Systems	3(3-0-6)			





Faculty of Fine and Applied Arts



Faculty of Fine and Applied Arts

Background

The Faculty of Fine and Applied Arts aims to produce graduates who are well equipped in the areas of creative thinking and academic excellence and also able to keep themselves abreast of social and technological advancement. The students of the faculty are usually trained to value and appreciate our national arts and culture with a sense of ethics and social awareness.

Departments

The Faculty of Fine and Applied Arts is composed of 5 departments. They are:

- 1. Department of Ceramics
- Department of Painting
- 3. Department of Music
- Department of Graphic Arts 4.
- 5. Department of Visual Communication Arts

Degrees Offered

The Faculty of Fine and Applied Arts offers a four year program comprising 5 majors: Painting, Ceramics, Graphic Arts, Visual Communication Arts, and Music.

Bachelor of Fine and Applied Arts Program in Ceramics

Courses Structure

Students are required to take a minimum of 135 credits from the following sections:

1. General Education Courses

		Required Courses	26 credits		
		- English Group	12 credits		
		- Thai Group	2 credits		
		- Information Technolo	ogy Group		
			3 credits		
		- Interdisciplinary Inte	gration		
		Group	9 credits		
		Elective Courses	4 credits		
2. Area of Concentration			Coursses		
			99 credits		
		- Core Courses	9 credits		
		- Professional Courses	17 credits		
		- Major Courses	73 credits		
	3.	Free Elective Courses	6 credits		
1. Gener	ral l	Education Courses	30 credits		
Require	d C	ourses	26 credits		
	En	glish Group	12 credits		
Basic Eng	glish		6 credits		
212101	En	glish I	3(3-0-6)		
212102	En	glish II	3(3-0-6)		

Professional English		6 credits		Professional Courses	17 credits
212201	English for Humanities and	Social	606111	Drawing I	2(1-3-2)
	Sciences I	3(2-2-5)	606112	Drawing II	2(1-3-2)
212202	English for Humanities and	Social	606113	Art Composition	3(1-4-4)
	Sciences II	3(2-2-5)	606121	History of Eastern Arts	2(2-0-4)
	Thai Group	2 credits	606122	History of Western Arts	2(2-0-4)
208101	Thai Language Skills	2(2-0-4)	606214	Research of Thai Arts	2(1-3-2)
	Information Technology Gr	oup	606323	Art Criticism	2(2-0-4)
		3 credits	616212	Introduction to Photography	2(1-3-2)
310101	Computer and the Internet	3(2-2-5)		Major Courses	57 credits
	Interdisciplinary Integrațion	n Group	616111	Mechanical Drawing for De	esign
		9 credits			2(1-3-2)
999101	Interdisciplinary Integratio	n I	616214	Principle of Design	2(1-3-2)
		3(3-0-6)	616215	Creative Thinking	2(1-3-2)
999102	Interdisciplinary Integratio	n II	616216	Computer for Design	2(1-3-2)
		3(3-0-6)	616217	Packaging Design	2(1-3-2)
999103	Interdisciplinary Integration	ı III	616221	Evolution of Design	2(2-0-4)
		3(3-0-6)	616241	Introduction to Business an	d
Elective Courses		4 credits		Marketing for Design	2(2-0-4)
A minimum requirement for elective		r elective	616322	Research of Design	2(2-0-4)
courses	is 4 credits. Students can sele	ect from	616471	Exhibition Design and Disp	olay
General	Education Courses which are	e offered in		Design	2(2-0-4)
other fa	culties from General Education	on Courses	617231	Hand Forming	2(1-3-2)
Manual	(2002), Burapha University.		617241	Introduction to Ceramics	3(2-2-5)
2. Area	of Concentration Courses	99 credits	617242	Kiln and Firing	2(2-0-4)
	Core Courses	9 credits	617352	Wheel Throwing	2(1-3-2)
601101	Aesthetics	3(3-0-6)	617353	Mold Making and Slip Cas	ting I
601102	Survey of Thai Arts	3(3-0-6)			3(1-4-4)
601203	Technology and Creative A	Arts	617354	Ceramic Glazes I	3(2-2-5)
		3(3-0-6)	617355	Design for Ceramics Arts	3(1-4-4)

617356 Clay and Cla	ay Bodies 3(1-4-4)	Bache	lor of Fine and Applie	d Arts
617357 Design for It	ndustrial Ceramics	P	rogram in Graphic Ar	ts
	3(1-4-4)			
617362 Mold Makin	g and Slip Casting II		tudents are required to take	e a
	3(1-4-4)		of 135 credits from the follo	
617363 Ceramic Gla	azes II 3(2-2-5)			
617373 History of C	Ceramics 2(2-0-4)		. General Education Cour	ses
617374 Geology for	Ceramics 2(2-0-4)			30 credits
617375 Technology	for Ceramics 2(2-0-4)		Required Courses	26 credits
617459 Jigger and Jo	olly 2(1-3-2)	ı	- English Group	12 credits
617465 Ceramic De	corating Techniques		- Thai Group	2 credits
	3(1-4-4)		- Information Technolog	
617476 Ceramic Ma	nagement 2(2-0-4)	l	Group	3 credits
617481 Individual S	tudy 4(2-4-6)	•	- Interdisciplinary Integ	
617482 Art Thesis	8(2-12-1	(0)	Group	9 credits
3. Free Elective Cou	ırses 6 credit	S	Elective Courses	4 credits
Students ma	y take at least 6 credits a	s 2	2. Area of Concentration C	
free elective credits to	complete the graduation	1		99 credits
requirement from cou	rses provided at Burapha	ı	- Core Courses	9 credits
University or other ur	niversities both in Thailan	nd	- Professional Courses	17 credits
and abroad or select f	rom the following list.		- Major Courses	73 credits
615401 Folk Art	2(2-0-4)	3	. Free Elective Courses	6 credits
615411 Plant for De	ecoration 2(1-2-3)) 1. Genera	l Education Courses	30 credits
615412 Garden Des	ign 2(1-3-2)) Required	Courses	26 credits
615413 Furniture D	esign 2(1-3-2)) I	English Group	12 credits
615414 Fashion Des	sign 2(1-2-3)) Basic Engli	sh	6 credits
615415 Jewelry Des	sign 2(1-2-3)	212101 H	English I	3(3-0-6)
615416 Silk Screen	2(1-2-3)	212102 H	English II	3(3-0-6)
615418 Art of Cario	ature 2(1-2-3)) Professiona	d English	6 credits
615419 Production	Design 2(1-2-3)) 212201 I	English for Humanities and	
615420 Souvenir Pr	oduct Design 2(1-2-3)) 5	Social Sciences I	3(2-2-5)

212202	English for Humanities and		606122	History of Western Arts	2(2-0-4)	
	Social Sciences II	3(2-2-5)	606214	Research of Thai Arts	2(1-3-2)	
	Thai Group	2 credits	606323	Art Criticism	2(2-0-4)	
208101	Thai Language Skills	2(2-0-4)	616212	Introduction to Photography	y 2(1-3-2)	
	Information Technology			Professional Courses on Vis	ual Art	
	Group	3 credits			16 credits	
310101	Computer and the Internet	3(2-2-5)	608231	Sculpture	2(1-3-2)	
	Interdisciplinary Integration	n	608232	Thai Art I	2(1-3-2)	
	Group	9 credits	608233	Drawing III	2(1-3-2)	
999101	Interdisciplinary Integration	n I	608251	Computer for Visual Art	2(1-3-2)	
		3(3-0-6)	608341	Visual Arts Research	2(2-0-4)	
999102	Interdisciplinary Integration	n II	608342	Modern Art	2(2-0-4)	
		3(3-0-6)	608343	Contemporary Art	2(2-0-4)	
999103	Interdisciplinary Integration	ı III	608344	Visual Arts of Administrati	on	
		3(3-0-6)			2(2-0-4)	
Elective Courses		4 credits		Major Courses	57 credits	
A minimum requirement for e		r elective	609151	Printmaking I	3(1-4-4)	
courses is 4 credits. Students can select from		609252	Creative Drawing	2(1-3-2)		
General Education Courses which are offered in		609253	Administration and Management			
other faculties from General Education Courses		on Courses		in Graphic Arts	2(1-3-2)	
Manual	(2002), Burapha University.		609254	Printmaking II	4(2-6-4)	
2. Area	of Concentration Courses	99 credits	609255	Printmaking III	4(2-6-4)	
	Core Courses	9 credits	609356	Printmaking IV	4(2-6-4)	
601101	Aesthetics	3(3-0-6)	609357	Printmaking V	4(2-6-4)	
601102	Survey of Thai Arts	3(3-0-6)	609358	Computer Art	3(1-4-4)	
601203 Technology and Creative Arts		rts	609359	Practice in Expression of E	motion	
		3(3-0-6)			3(1-4-4)	
	Professional Courses	17 credits	609461	Individual Study	4(2-6-4)	
606111	Drawing I	2(1-3-2)	609462	Three Dimension Printmak	ing	
606112	Drawing II	2(1-3-2)			3(1-4-4)	
606113	Art Composition	3(1-4-4)	609463	Paper Works	4(2-6-4)	
606121	History of Eastern Arts	2(2-0-4)				

600464	Distriction and Mading	4(2-6-4)		- Core Courses	9 credits
	Printmaking and Medias	, ,		- Major Required	
	Art Thesis	8(2-12-10)		- Major Required	17 credits
609471	Seminar in Contemporary			361 791 11 1	
	Printmaking	3(3-0-6)		- Major Elective (
609472	Seminar	2(2-0-4)		3. Free Elective Cou	
3. Free	Elective Courses	6 credits	1. Gener	ral Education Course	
Students may take at least 6 credits as		Require	d Courses	26 credits	
free elective credits to complete the graduation			English Group	12 credits	
requirement from courses provided at Burapha		Basic En	glish	6 credits	
Univers	ity or other universities both	in Thailand	212101	English I	3(3-0-6)
and abro	oad or select from the follow	ing list.	212102	English II	3(3-0-6)
620311	Applied Printmaking	2(1-3-2)	Professio	nal English	6 credits
			212201	English for Humaniti	es and
Bachelor of Fine and Applied Arts			Social Sciences I	3(2-2-5)	
		212202	English for Humaniti	es and	
Program in Music			Social Sciences II	3(2-2-5)	
Courses Structure			Thai Group	2 credits	
Students are required to take a		208101	Thai Language Skills	2(2-0-4)	
minimu	m of 135 credits from the fol	llowing		Information Technol	ogy Group
sections	::				3 credits
	1. General Education Co.	ırses	310101	Computer and the In	ternet 3(2-2-5)
		30 credits		Interdisciplinary Inte	gration Group
	Required Courses	26 credits			9 credits
	- English Group	12 credits	999101	Interdisciplinary Int	egration I
	- Thai Group	2 credits			3(3-0-6)
	- Information Technolo	ogy Group	999102	Interdisciplinary Int	egration II
		3 credits			3(3-0-6)
	- Interdisciplinary Inte	egration	999103	Interdisciplinary Inte	gration III
	Group	9 credits			3(3-0-6)
	Elective Courses	4 credits	Electiv	e Courses	4 credits
	2. Area of Concentration	Courses	216101	Speech for Effective	Communication
		99 credits			2(2-0-4)

433101	Developing Thinking Skills	2(2-0-4)	627217	Pi-Pat Mon I	2(1-3-2)
2. Area	of Concentration Courses	99 credits	627221	Thai Music Composition	2(2-0-4)
	Core Courses	9 credits	627285	Thai Music Notation	2(1-3-2)
601101	Aesthetics	3(3-0-6)	627304	Thai Music IV	3(1-4-4)
601102	Survey of Thai Arts	3(3-0-6)	627305	Thai Music V	3(1-4-4)
601203	Technology and Creative A	rts	627307	Kreung Say Pijava	2(1-3-2)
		3(3-0-6)	627311	Phleng Na-Pat	2(1-3-2)
	Major Required Courses	27 credits	627312	Phleng Tayoy	2(1-3-2)
626151	History of Western Music I	2(2-0-4)	627315	Pi-Pat Mon II	2(1-3-2)
626171	Theory of Music I	2(2-0-4)	627316	Pi-Pat Nanghong	2(1-3-2)
626172	Theory of Western Music I	2(2-0-4)	627318	Pi-Pat Dueg Dum-Bun	2(1-3-2)
626182	Fundamental of Theatre	2(2-0-4)	627323	Form and Analysis of	
626252	History of Eastern Music	2(2-0-4)		Thai Music	2(2-0-4)
626253	History of Thai Music	2(2-0-4)	627341	Creative Music	2(1-3-2)
626262	Choral Class	2(2-0-4)	627364	Sepa	2(1-3-2)
626271	Theory of Harmony I	2(2-0-4)	627375	Thai Folk Music	3(1-3-2)
626283	Music Audio Visual	2(2-0-4)	627384	Kreungnang	2(1-3-2)
626331	The Management of Music		627406	Thai Music VI	3(1-4-4)
	and Theatre	2(2-0-4)	627413	Phleng Deaw	2(1-3-2)
626332	Introduction to Music Busin	ess	627422	Thai Counterpoints	2(2-0-4)
		2(2-0-4)	627433	Thai Music Review	2(2-0-4)
626374	Music Computer	3(3-0-6)	627477	Introduction to Ethnomusico	ology
626491	Seminar and Research				2(2-0-4)
	in Music	2(2-0-4)	627492	Music Thesis	6(2-8-8)
	Major Elective Courses	63 credits	Western I	Music Group	
Thai Mus	ic Group		628101	Western Music I	3(1-4-4)
627101	Thai Music I	3(1-4-4)	628162	Ear Training I	2(1-3-2)
627161	Thai Classical Singing	2(1-3-2)	628202	Western Music II	3(1-4-4)
627181	Fundamental of Thai Music	2(1-3-2)	628203	Western Music III	3(1-4-4)
627202	Thai Music II	3(1-4-4)	628241	Military Band I	2(2-0-4)
627203	Thai Music III	3(1-4-4)	628108	Keyboard	2(1-3-2)
627214	Phleng Mahori	2(1-3-2)			

628252	History of Western Music I	I 2(2-0-4)	629334	Survey of Thai Music	2(2-0-4)
628263	Ear Training II	2 (1-3-2)	629335	Thai Instrument Maintenan	ce
626272	Theory of Harmony II	2(2-0-4)			3(3-0-6)
628274	Musical Acoustics	2(2-0-4)	629336	Music Ensemble	3(1-4-4)
628304	Western Music IV	3(1-4-4)	629342	Acting I	2(1-3-2)
628305	Western Music V	3(1-4-4)	629343	Acting II	2(1-3-2)
628321	Forms and Analysis of Wes	tern	629344	Jazz Dance	2(1-1-4)
	Music I	2(2-0-4)	629345	Stag Make-up	2(1-1-4)
628322	Forms and Analysis of Wes	tern	629346	Stage Movement	2(1-1-4)
	Music II	2(2-0-4)	629347	Play Writing	2(2-0-4)
628323	Band Arranging	2(2-0-4)	629348	Directing	2(2-0-4)
628342	Recording I	2(2-0-4)	629349	Music Therapy	2(2-0-4)
628343	Recording II	2(2-0-4)	629364	Western Music Singing	2(1-1-4)
628344	Military Band II	2(2-0-4)	629365	Thai Country Singing	2(1-1-4)
628376	Western Counterpoint I	2(2-0-4)	629386	Khon	2(1-1-4)
628377	Western Music Conducting	2(1-3-2)	629437	Music Appreciation	2(2-0-4)
628378	Western Counterpoint II	2(2-0-4)	629438	Thai Dramatic	2(1-3-2)
628384	Western Music Instrument				
	Maintenance	2(1-3-2)	Bacl	nelor of Fine and Applie	d Arts
628406	Western Music VI	3(1-4-4)		Program in Painting	
628407	Western Music VII	3(1-4-4)	Courses	Structure	
628322	Western Music Composition	ı I		Students are required to tak	e a
		2(2-0-4)	minimun	n of 135 credits from the foll	owing
628491	Music Thesis	6(2-8-8)	sections:		
3. Free	Elective Courses	6 credits		1. General Education Cour	ses
	Students may take at least 6	credits as			30 credits
free elect	ive credits to complete the gr	raduation		Required Courses	26 credits
requirem	ent from courses provided at	Burapha		- English Group	12 credits
Universit	y or other universities both in	n Thailand		- Thai Group	2 credits
and abroa	ad or select from the following	g list.		- Information Technolog	ŗ y
629306	Recorder	2(1-3-2)		Group	3 credits

- Interdisciplinary Integ		gration	999103	999103 Interdisciplinary Integration I	
	Group	9 credits			3(3-0-6)
	Elective Courses	4 credits	Electiv	e Courses	4-credits
	2. Area of Concentration	Courses		A minimum requirement fo	r elective
		99 credits	courses	is 4 credits. Students can sele	ect from
	- Core Courses	9 credits	General	Education Courses which are	e offered in
	- Professional Courses	17 credits	other fa	culties from General Education	on Courses
	- Major Courses	73 credits	Manual	(2002), Burapha University.	
	3. Free Elective Courses	6 credits	2. Area	of Concentration Courses	99 credits
1. Gene	ral Education Courses	30 credits		Core Courses	9 credits
Require	d Courses	26 credits	601101	Aesthetics	3(3-0-6)
	English Group	12 credits	601102	Survey of Thai Arts	3(3-0-6)
Basic En	glish 6 credi	ts	601203	Technology and Creative A	arts
212101	English I	3(3-0-6)			3(3-0-6)
212102	English II	3(3-0-6)		Professional Courses	17 credits
Professio	nal English	6 credits	606111	Drawing I	2(1-3-2)
212201	English for Humanities and	l	606112	Drawing II	2(1-3-2)
	Social Sciences I	3(2-2-5)	606113	Art Composition	3(1-4-4)
212202	English for Humanities and		606121	History of Eastern Arts	2(2-0-4)
	Social Sciences II	3(2-2-5)	606122	History of Western Arts	2(2-0-4)
	Thai Group	2 credits	606214	Research of Thai Arts	2(1-3-2)
208101	Thai Language Skills	2(2-0-4)	606323	Art Criticism	2(2-0-4)
	Information Technology		616212	Introduction to Photography	y 2(1-3-2)
	Group	3 credits		Professional Courses on Vis	
310101	Computer and the Internet				16 credits
	Interdisciplinary Integratio		608231	Sculpture	2(1-3-2)
	Group	9 credits	608232	Thai Art I	2(1-3-2)
999101	Interdisciplinary Integration		608233	Drawing III	2(1-3-2)
		3(3-0-6)	608251	Computer for Visual Art	2(1-3-2)
999102	Interdisciplinary Integration		608341	Visual Arts Research	2(2-0-4)
		3(3-0-6)	608342	Modern Art	2(2-0-4)

608343	Contemporary Art	2(2-0-4)	620302	Conservation of Thai	
608344	Visual Arts of Administrati	on		Traditional Art	2(2-0-4)
		2(2-0-4)	620303	Psychology of Art	2(2-0-4)
	Major Courses	57 credits	620304	Theory of Creativity	2(2-0-4)
607131	Painting I	2(1-3-2)	620305	Contemporary Art in Thail	and
616132	Introduction to Mechanical				2(2-0-4)
	Drawing	2(1-3-2)	620306	Evolution of Sculpture	2(2-0-4)
607233	Analysis Composition	2(1-3-2)	620307	Comparative Arts	2(2-0-4)
607234	Creative Drawing	2(1-3-2)	620308	Philosophy of Criticism	2(2-0-4)
607251	Painting II	4(2-6-4)	620309	Creative Writing	2(2-0-4)
607252	Painting III	4(2-6-4)	620321	Evolution of Painting	2(2-0-4)
607353	Painting IV	4(2-6-4)	620322	Evolution of Drawing	2(2-0-4)
607354	Portrait Painting	2(1-3-2)	620323	Aesthetics I	2(2-0-4)
607355	Creative Painting I	4(2-6-4)	620331	Basics of Drawing	2(1-3-2)
607356	- Thai Traditional Painting	2(1-3-2)			
607357	Painting and Media	3(1-4-4)	Bac	helor of Fine and Appl	ied Arts
607361	Creative Painting II	4(2-6-4)	Progra	ım in Visual Communi	cation Arts
607462	Thai Creative Painting	2(1-3-2)	7	: Structure	
607463	Mixed Media	4(2-6-4)		Students are required to tal	ke a
	Mixed Media Individual Study	4(2-6-4) 4(2-6-4)	minimu	Students are required to tal	
607464				m of 135 credits from the fo	
607464	Individual Study	4(2-6-4)	minimum	m of 135 credits from the fo	llowing
607464 607466	Individual Study Art Thesis	4(2-6-4)		n of 135 credits from the fo	llowing
607464 607466 607471	Individual Study Art Thesis Seminar in Contemporary	4(2-6-4) 8(2-12-10)		n of 135 credits from the fo	llowing
607464 607466 607471	Individual Study Art Thesis Seminar in Contemporary Painting	4(2-6-4) 8(2-12-10) 2(2-0-4)		m of 135 credits from the fo	llowing urses 30 credits
607464 607466 607471 607472 3. Free	Individual Study Art Thesis Seminar in Contemporary Painting Seminar Elective Courses Students may take at lea	4(2-6-4) 8(2-12-10) 2(2-0-4) 2(2-0-4) 6 credits		n of 135 credits from the for 1. General Education Cou Required Courses	llowing arses 30 credits 26 credits
607464 607466 607471 607472 3. Free	Individual Study Art Thesis Seminar in Contemporary Painting Seminar Elective Courses Students may take at leadelective credits from courses	4(2-6-4) 8(2-12-10) 2(2-0-4) 2(2-0-4) 6 credits ast 6 credits		n of 135 credits from the for 1. General Education Cou Required Courses - English Group	llowing arses 30 credits 26 credits 12 credits 2 credits
607464 607466 607471 607472 3. Free as free e	Individual Study Art Thesis Seminar in Contemporary Painting Seminar Elective Courses Students may take at leadelective credits from courses University or other university	4(2-6-4) 8(2-12-10) 2(2-0-4) 2(2-0-4) 6 credits ast 6 credits provided at ities both in		n of 135 credits from the form 1. General Education Cou Required Courses - English Group - Thai Group	llowing arses 30 credits 26 credits 12 credits 2 credits
607464 607466 607471 607472 3. Free as free e Burapha Thailand	Individual Study Art Thesis Seminar in Contemporary Painting Seminar Elective Courses Students may take at leadelective credits from courses University or other university and abroad or selective	4(2-6-4) 8(2-12-10) 2(2-0-4) 2(2-0-4) 6 credits ast 6 credits provided at ities both in		n of 135 credits from the form 1. General Education Cou Required Courses - English Group - Thai Group	arses 30 credits 26 credits 12 credits 2 credits ogy Group 3 credits
607464 607466 607471 607472 3. Free as free e Burapha Thailand	Individual Study Art Thesis Seminar in Contemporary Painting Seminar Elective Courses Students may take at leadelective credits from courses University or other university and abroad or selecting list.	4(2-6-4) 8(2-12-10) 2(2-0-4) 2(2-0-4) 6 credits ast 6 credits provided at ities both in from the		n of 135 credits from the form 1. General Education Cou Required Courses - English Group - Thai Group - Information Technology	arses 30 credits 26 credits 12 credits 2 credits ogy Group 3 credits
607464 607466 607471 607472 3. Free as free e Burapha Thailand	Individual Study Art Thesis Seminar in Contemporary Painting Seminar Elective Courses Students may take at leadelective credits from courses University or other university and abroad or selective	4(2-6-4) 8(2-12-10) 2(2-0-4) 2(2-0-4) 6 credits ast 6 credits provided at ities both in		n of 135 credits from the form 1. General Education Cou Required Courses - English Group - Thai Group - Information Technology - Interdisciplinary Int	arses 30 credits 26 credits 12 credits 2 credits ogy Group 3 credits

	2. Area of Concentration (Coursses	Electiv	Elective Courses	
			99 credits		A minimum requirement	for elective
		- Core Courses	9 credits	courses	is 4 credits. Students can	select from
		- Professional Courses	17 credits	General	Education Courses which ar	e offered in
		- Major Courses	73 credits	other fa	culties from General Educati	on Courses
	3.	Free Elective Courses	6 credits	Manual	(2002), Burapha University.	
1. General Education Courses		30 credits	2. Area of Concentration Courses 99 credit			
Require	d C	ourses	26 credits		Core Courses	9 credits
	En	glish Group	12 credits	601101	Aesthetics	3(3-0-6)
Basic Eng	glish		6 credits	601102	Survey of Thai Arts	3(3-0-6)
212101	En	glish I	3(3-0-6)	601203	Technology and Creative A	rts
212102	En	glish II	3(3-0-6)			3(3-0-6)
Profession	nal l	English	6 credits		Professional Courses	17 credits
212201	En	glish for Humanities and	Social	606111	Drawing I	2(1-3-2)
	Sc	iences I	3(2-2-5)	606112	Drawing II	2(1-3-2)
212202	En	glish for Humanities and	Social	606113	Art Composition	3(1-4-4)
	Sc	iences II	3(2-2-5)	606121	History of Eastern Arts	2(2-0-4)
	Th	ai Group	2 credits	606122	History of Western Arts	2(2-0-4)
208101	Th	ai Language Skills	2(2-0-4)	606214	Research of Thai Arts	2(1-3-2)
	Inf	formation Technology Gr	oup	606323 Art Criticism		2(2-0-4)
		3 credits	616212	Introduction to Photography	2(1-3-2)	
310101		emputer and the Internet			Major Courses	57 credits
	Int	terdisciplinary Integration	-	616111	Mechanical Drawing	2(1-3-2)
000101		. Marketta a Yasa a wata	9 credits	616214	Principle of Design	2(1-3-2)
999101	Interdisciplinary Integration		616215	Creative Thinking	2(1-3-2)	
000100			3(3-0-6)	616216	Computer for Design	2(1-3-2)
999102	Ini	terdisciplinary Integratio		616217	Packaging Design	2(1-3-2)
	-		3(3-0-6)	616221	Evolution of Design	2(2-0-4)
999103	Interdisciplinary Integration		616241	Introduction to Business an	d	
			3(3-0-6)		Marketing of Design	2(2-0-4)
				616251	Photography I	2(1-3-2)

616253	Visual Communication I	2(1-3-2)	616481	Individual Study	4(2-4-6)		
616254	Visual Communication II	3(1-4-4)	616482	Art Thesis	8(2-12-10)		
616352	Research of Design	2(2-0-4)	3. Free	Elective Courses	6 credits		
616352	Photography II	2(1-3-2)	Students may take at least 6 credits as				
616355	Advertising I	2(1-3-2)	free elective credits to complete the graduation				
616356	Television	3(2-4-3)	requirement from courses provided at Burapha				
616357	Video and Motion Picture	3(2-4-3)	University or other universities both in Thailand				
616358	Illustration	2(1-3-2)	and abroad or select from the following list.				
626361	Visual Communication III	3(1-4-4)	615401	Folk Art	2(2-0-4)		
616363	Advertising II	2(1-3-2)	615411	Plant for Decoration	2(1-3-2)		
616366	Photography III	3(2-4-3)	615412	Garden Design	2(1-3-2)		
616367	Computer I	2(1-3-2)	615413	Furniture Design	2(1-3-2)		
616368	Computer II	3(1-4-4)	615414	Fashion Design	2(1-2-3)		
616469	Computer for Editing	3(1-4-4)	615415	Jewelry Design	2(1-2-3)		
616372	Printing Technology	3(1-4-4)	615416	Silk Screen	2(1-2-3)		
616464	Advertising III	3(1-4-4)	615417	Toy Design	2(1-2-3)		
616471	Exhibition Design and Disp	lay	615418	Art of Caricature	2(1-2-3)		
	Design	2(.2-0-4)	615419	Production Design	2(1-2-3)		
616473	Criticism and Presentation	2(2-0-4)	615420	Souvenir Product Design	2(1-2-3)		





Faculty of Humanities and Social Sciences

Background

The Faculty of Humanities and Social Sciences was first established in 1955 as the Faculty of Humanistic Studies and Social Sciences of the College of Education, Bangsaen, the first institution of higher education to be established outside Bangkok.

In 1974, when the college of Education was upgraded to university status as part of Srinakharinwirot University, the disciplines of Humanistic Studies and Social Sciences were segregated into two separate faculties: The Faculty of Humanities, and the Faculty of Social Sciences.

These two faculties, in 1991, merged again and became the Faculty of Humanities and Social Sciences when the Bangsaen Campus of Srinakharinwirot was upgraded to be an independent regional university under the name of Burapha University.

Departments

At present, the Faculty has teaching staff of approximately 100 with student enrollment of 2000 (in both four-year and two-year continuing programs) in its 12 departments. They are:

- Department of Business
 Administration
- Department of Eastern Languages
- 3. Department of Economics
- 4. Department of Geography
- 5. Department of History
- 6. Department of Library Science
- 7. Department of Political Science
- 8. Department of Psychology
- 9. Department of Sociology
- Department of the Thai
 Language
- Department of Western
 Languages
- 12. Department of Laws

Degrees Offered

The Faculty of Humanities and Social Sciences offers three types of study programs at the undergraduate level.

1. Four-year Regular Program: for those with a high school diploma or the equivalent who pass the entrance examination to become first year students, on the condition that 60 percent of the number of first year students is reserved for students from the eastern region, and the remainder is for general applicants from all over the country.

The degrees offered in this type of study program are:

B.A. (Thai)

B.A. (Chinese)

B.A. (English)

B.A. (Japanese)

B.A. (Korean)

B.A. (History)

B.A. (Community Development)

B.Sc. (Geo-Informatic Technology)

B.Sc. (Psychology)

B.Acc. (Accounting)

B.B.A. (Marketing)

B.B.A. (Human Resource

Management)

B.C.A. (Communication Arts)

B.Econ. (Bachelor of Economics)

B.A. (Religions and Philosophy)

2. Four-year Continuing Program:

for those with a diploma from high school, vocational school, or the equivalent, who pass the university examination.

The degree offered in this type of study program is:

B.C.A. (Bachelor of Communication Arts)

3.Two-Year Continuing Program:

for those with a diploma from vocational schools who pass the screening examination to study at the University on weekends.

The degrees offered under this type of study program are:

B.B.A. (Accounting)

B.B.A. (Marketing)

B.B.A. (Personnel Management)

Bachelor of Accountancy Program in

Accounting

Courses Structure

Students are required to take a minimum of 140 credits from the following sections:

1. General Education Courses

30 credits

Required Courses 26 credits

- English Group 12 credits

2 credits - Thai Group

- Information Technology

3 credits Group

- Interdisciplinary Integration

9 credits Group

4 credits Elective Courses

2. Area of Concentration Courses

104 credits

- Basic Professional Courses

56 credits

- Major Required Courses

39 credits

- Major Elective Courses 9 credits

3. Free Elective Courses 6 credits

1. General Education Courses		30 credits	Elective	Elective Courses			
Required Courses		26-credits	A minimum requirement for elec-				
	English Group	12 credits	courses	is 4 credits. Students can	select from		
Basic English		6 credits	General Education Courses which are offered i				
212101	English I	3(3-0-6)	other f	aculties from the General	Education		
212102	English II	3(3-0-6)	Courses	Manual (2002), Burapha Un	iversity.		
212103	English III	3(3-0-6)	2. Area	of Concentration Courses	102 credits		
212104	English IV	3(3-0-6)		Basic Professional Courses	56 credits		
Professio	nal English	6 credits	212371	Business English	2(2-0-4)		
212201	English for Humanities and		226211	Microeconomics I	3(3-0-6)		
	Social Sciences I	3(2-2-5)	226212	Macroeconomics I	3(3-0-6)		
212202	English for Humanities and		227211	Business Finance	3(3-0-6)		
	Social Sciences II	3(2-2-5)	228211	Principles of Marketing	3(3-0-6)		
212207	English Communicative Sp	eaking	229111	Principles of Accounting I	3(3-0-6)		
		3(2-2-5)	229211	Principles of Accounting II	3(3-0-6)		
212208	English Writing Skills	3(3-0-6)	230211	Business Law	3(3-0-6)		
	Thai Group	2 credits	230221	Principles of Management	3(3-0-6)		
208101	Thai Language Skills	2(2-0-4)	230231	Taxation	3(3-0-6)		
	Information Technology		230321	Quantitative Analysis in			
	Group	3 credits		Management	3(3-0-6)		
310101	Computer and the Internet	3(2-2-5)	230322	Production and Operations			
	Interdisciplinary Integratio	n		Management	3(3-0-6)		
	Group	9 credits	230323	Management Information			
999101	Interdisciplinary Integration			System	3(3-0-6)		
		3(3-0-6)	230411	Business Research Methodo	ology		
999102	Interdisciplinary Integratio				3(3-0-6)		
		3(3-0-6)	230421	Strategic Management	3(3-0-6)		
999103	Interdisciplinary Integration	n III	244211	Human Resource Managem	ent		
		3(3-0-6)		5	3(3-0-6)		
			302117	Calculus for Business	3(3-0-6)		
			310381	Computer in Business	3(3-0-6)		
					•		

312201	Elementary Statistics	3(3-0-6)	229452	Information System Contro	1
	Major Required Courses	39 credits		and Audit	3(3-0-6)
229221	Intermediate Accounting I	3(3-0-6)	229453	Seminar in Auditing	3(3-0-6)
229321	Intermediate Accounting II	3(3-0-6)	229462	Seminar in Accounting	
229322	Advanced Accounting	3(3-0-6)		Information System	3(3-0-6)
229331	Cost Accounting	3(3-0-6)	229471	Institutional Accounting	3(3-0-6)
229332	Managerial Accounting	3(3-0-6)	3. Free I	Elective Courses	6 credits
229341	Tax Accounting	3(3-0-6)		Students may take at least	6 credits as
229351	Auditing	3(3-0-6)	free elec	tive credits to complete the	graduation
229361	Software Packages for		requirem	ent from courses provided	at Burapha
	Accounting	3(3-0-6)	Universi	ty or other universities both	in Thailand
229421	Accounting Theory	3(3-0-6)	and abro	ad.	
229422	Corporate Financial Reporti	ng			
	and Analysis	3(3-0-6)	В	achelor of Arts Progran	n in
229423	Accounting Policy	3(3-0-6)		Chinese Language	
229451	Internal Auditing and Control	ol	Courses	Structure	
229451	Internal Auditing and Control	ol 3(3-0-6)	Courses	Structure Students are required to tak	e a
229451229461	Internal Auditing and Control Accounting Information Sys	3(3-0-6)		Students are required to tak	
	-	3(3-0-6)	minimun		
	-	3(3-0-6) stem		Students are required to taken of 132 credits from the foll	owing
	Accounting Information Sys	3(3-0-6) stem 3(3-0-6)	minimun	Students are required to tak	owing
229461	Accounting Information Sys	3(3-0-6) stem 3(3-0-6) 9 credits	minimun	Students are required to take of 132 credits from the foll 1. General Education Coun	lowing
229461 227421	Accounting Information Sys Major Elective Courses Principles of Investment	3(3-0-6) stem 3(3-0-6) 9 credits 3(3-0-6)	minimun	Students are required to taken of 132 credits from the foll 1. General Education Countries Required Courses	lowing rses
229461 227421 229222	Accounting Information Sys Major Elective Courses Principles of Investment Governmental Accounting	3(3-0-6) stem 3(3-0-6) 9 credits 3(3-0-6)	minimun	Students are required to take of 132 credits from the foll 1. General Education Coun	rses 30 credits 26 credits
229461 227421 229222	Accounting Information Sys Major Elective Courses Principles of Investment Governmental Accounting Accounting for Financial	3(3-0-6) stem 3(3-0-6) 9 credits 3(3-0-6) 3(3-0-6)	minimun	Students are required to taken of 132 credits from the following the following state of 1. General Education Courses - English Group	rses 30 credits 26 credits 12 credits 2 credits
229461 227421 229222 229271 229362	Accounting Information Systems Major Elective Courses Principles of Investment Governmental Accounting Accounting for Financial Institution	3(3-0-6) stem 3(3-0-6) 9 credits 3(3-0-6) 3(3-0-6)	minimun	Students are required to taken of 132 credits from the following the following state of 1. General Education Courses - English Group - Thai Group	rses 30 credits 26 credits 12 credits 2 credits
229461 227421 229222 229271 229362	Accounting Information System Major Elective Courses Principles of Investment Governmental Accounting Accounting for Financial Institution Accounting System Design	3(3-0-6) stem 3(3-0-6) 9 credits 3(3-0-6) 3(3-0-6)	minimun	Students are required to taken of 132 credits from the following the following state of 1. General Education Courses Required Courses - English Group - That Group - Information Technology	rses 30 credits 26 credits 12 credits 2 credits gy 3 credits
229461 227421 229222 229271 229362	Accounting Information System Major Elective Courses Principles of Investment Governmental Accounting Accounting for Financial Institution Accounting System Design Seminar in Financial	3(3-0-6) stem 3(3-0-6) 9 credits 3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)	minimun	Students are required to taken of 132 credits from the followers. 1. General Education Courses. Required Courses. - English Group. - Thai Group. - Information Technology.	rses 30 credits 26 credits 12 credits 2 credits gy 3 credits
229461 227421 229222 229271 229362 229424 229431	Accounting Information System Major Elective Courses Principles of Investment Governmental Accounting Accounting for Financial Institution Accounting System Design Seminar in Financial Accounting	3(3-0-6) stem 3(3-0-6) 9 credits 3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)	minimun	Students are required to taken of 132 credits from the followers. 1. General Education Courses. Required Courses. English Group. Thai Group. Information Technology. Group. Interdisciplinary Integration	rses 30 credits 26 credits 12 credits 2 credits gy 3 credits gration
229461 227421 229222 229271 229362 229424 229431	Accounting Information System Major Elective Courses Principles of Investment Governmental Accounting Accounting for Financial Institution Accounting System Design Seminar in Financial Accounting Profit Planning and Control	3(3-0-6) stem 3(3-0-6) 9 credits 3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)	minimun	Students are required to taken of 132 credits from the followers. 1. General Education Country Required Courses. - English Group. - Thai Group. - Information Technology. Group. - Interdisciplinary Integ. Group.	rses 30 credits 26 credits 12 credits 2 credits gy 3 credits gration 9 credits 4 credits

	- Major Courses	78 credits	Elective	Courses	4 credits
	- Minor Courses	18 credits		A minimum requirement	for elective
	3. Free Elective Courses	6 credits	courses	is 4 credits. Students can	select from
1. Gener	al Education Courses	30 credits	General	Education Courses which ar	e offered in
Require	d Courses	26 credits	other fa	culties from the General	Education
	English Group	12 credits	Courses	Manual (2002), Burapha Un	iversity.
Basic Eng	lish	6 credits	2. Area	of Concentration Courses	96 credits
212101	English I	3(3-0-6)		Major Courses	78 credits
212102	English II	3(3-0-6)	Major Re	equired Courses	51 credits
212103	English III	3(3-0-6)	206111	Chinese I	3(2-3-4)
212104	English IV	3(3-0-6)	206112	Chinese II	3(2-3-4)
Profession	nal English	6 credits	206213	Chinese III	3(2-3-4)
212201	English for Humanities		206214	Chinese IV	3(2-3-4)
	and Social Sciences I	3(2-2-5)	206221	Chinese Listening-Speaking	g I
212207	English Communicative Sp	eaking			3(3-0-6)
		3(2-2-5)	206222	Chinese Listening-Speakin	g II
212208	English Writing Skills	3(3-3-6)			3(3-0-6)
	Thai Group	2 credits	206231	Chinese Reading I	3(3-0-6)
208101	Thai Language Skills	2(2-0-4)	206232	Chinese Reading II	3(3-0-6)
	Information Technology		206241	Chinese Writing I	3(3-0-6)
	Group	3 credits	206315	Chinese V	3(2-3-4)
310101	Computer and the Internet	3(2-2-5)	206316	Chinese VI	3(2-3-4)
	Interdisciplinary Integratio	n	206323	Chinese Listening-Speakin	g III
	Group	9 credits		•	3(3-0-6)
999101	Interdisciplinary Integration	n I	206324	Chinese Listening-Speakin	g IV
		3(3-0-6)			3(3-0-6)
999102	Interdisciplinary Integration	n II	206333	Chinese Reading III	3(3-0-6)
		3(3-0-6)	206342	Chinese Writing II	3(3-0-6)
999103	Interdisciplinary Integration	n III	206425	Chinese Business	
		3(3-0-6)		Conversation I	3(3-0-6)
			206451	Chinese Translation I	3(3-0-6)

Major El	ective Courses	27 credits	Mi	inor Courses	18 credits
206261	Chinese Linguistics	3(3-0-6)	Students can select otherminor course		
206281	Evolution of the Chinese		from other faculties in Burapha University		
	Characters	3(3-0-6)	approval fro	m the Head of Departmen	nt.
206334	Chinese Newspaper Readin	g	3. Free Elec	ctive Courses	6 credits
		3(3-0-6)	Stı	udents may take at least (5 credits as
206362	Chinese Structure	3(3-0-6)	free elective	credits to complete the	graduation
206371	Chinese Folklore	3(3-0-6)	requirement	from courses provided :	at Burapha
206372	Contemporary Chinese		University o	or other universities both i	in Thailand
	Literature	3(3-0-6)	and abroad.		
206382	Chinese Culture	3(3-0-6)			
206383	Chinese Today	3(3-0-6)	Baci	ielor of Arts Progran	ı in
206426	Chinese Business		Co	mmunity Developme	nt
	Conversation II	3(3-0-6)	Courses Str	ucture	
206443	Chinese Business Writing	3(3-0-6)	Stu	dents are required to take	e a
206452	Chinese Translation II	3(3-0-6)	minimum of	135 credits from the follo	owing
206453	Chinese for Hotel Business	3(3-0-6)	sections:		
206454	Chinese for Tour Guides I	3(3-0-6)	I.	General Education Cours	ses
206455	Chinese for Tour Guides II	3(3-0-6)			30 credits
206456	Chinese for Industry	3(3-0-6)		Required Courses	26 credits
206457	Chinese for Mass Communi	cation		- English Group	12 credits
		3(3-0-6)		- Thai Group	2 credits
206463	Teaching Chinese as a Fore	ign	- Information Technology		
	Language	3(3-0-6)		Group	3 credits
206473	Classical Chinese Literature	;		- Interdisciplinary Integr	ration
		3(3-0-6)		Group	9 credits
206484	Chinese Seminar	3(3-0-6)		Elective Courses	4 credits
			2.	Area of Concentration C	ourses
					99 credits
				- Major Courses	81 credits
				- Minor Courses	18 credits

	3. Free Elective Courses	6 credits	other fa	aculties from the General	Education		
1. Gener	ral Education Courses	30 credits	Courses	Courses Manual (2002), Burapha University.			
Require	d Courses	26 credits	2. Area	of Concentration Courses	99 credits		
	English Group	12 credits		Major Courses	81 credits		
Basic Eng	glish	6 credits	Basic Pro	fessional Courses	24 credits		
212101	English I	3(3-0-6)	221252	Human Relations in Comm	unity		
212102	English II	3(3-0-6)			3(3-0-6)		
212103	English III	3(3-0-6)	221256	Psychology and Communit	y3(3-0-6)		
212104	English IV	3(3-0-6)	221257	Community Information Sy	/stem		
Profession	nal English	6 credits			3(3-0-6)		
212201	English for Humanities and		221356	Local Administration	3(3-0-6)		
	Social Sciences I	3(2-2-5)	225221	Cultural Anthropology	3(3-0-6)		
212202	English for Humanities and		225311	Rural Sociology	3(3-0-6)		
	Social Sciences II	3(2-2-5)	225313	Industrial Sociology	3(3-0-6)		
	Thai Group	2 credits	225342	Research Methods in Socia	1.		
208101	Thai Language Skills	2(2-0-4)		Sciences	3(3-0-6)		
	Information Technology		Major R	equired Courses	39 credits		
	Group	3 credits	221251	Community Study	3(3-0-6)		
310101	Computer and the Internet	3(2-2-5)	221351	Principles of Community			
	Interdisciplinary Integratio	n		Development I	3(3-0-6)		
	Group	9 credits	221352	Principles of Community			
999101	Interdisciplinary Integration	n I		Development II	3(3-0-6)		
		3(3-0-6)	221353	Principles of Practice of			
999102	Interdisciplinary Integration	n II		Planning	3(3-0-6)		
		3(3-0-6)	221451	Leadership in Community			
999103	Interdisciplinary Integration	n III		Development	3(3-0-6)		
		3(3-0-6)	221452	Community Development			
Elective	e Courses	4 credits		Administration	3(3-0-6)		
	A minimum requirement	for elective	221453	Folk Business and Commu	nity		
courses	is 4 credits. Students can	select from		Development	3(3-0-6)		
General	Education Courses which ar	e offered in	221454	Appropriate Technology fo	or		
				Community Development	3(3-0-6)		

221455	Land Reform and Commun	ity	225411	Social Organization	3(3-0-6)
	Development	3(3-0-6)	225412	Political Sociology	3(3-0-6)
221456	Problems of Community	•	225416	Criminology and Penology	3(3-0-6)
	Development	3(3-0-6)	225423	Thai Society and Culture	3(3-0-6)
221461	Professional Internship in		225431	Population and Developme	nt
	Community Development	3(0-9-6)			3(3-0-6)
221462	Sessional Paper .	6(3-9-6)	225441	Social Impact Assessment	3(3-0-6)
Major El	ective Courses	18 credits	•	Minor Courses	18 credits
221253	Sociology Theories for			Students can select other	minor from
	Community Development	3(3-0-6)	other f	aculties in Burapha Un	iversity on
221254	Anthropology Theories for		approva	I from the Head of Departme	ent.
	Community Development	3(3-0-6)	3. Free	Elective Courses	6 credits
221255	Computer Application in			Students may take at least	6 credits as
	Community Development	3(2-2-5)	free elec	ctive credits to complete the	graduation
221354	Social Psychology Theories	s for	requiren	nent from courses provided	at Burapha
	Community Development	3(3-0-6)	Universi	ity or other universities both	in Thailand
221355	World Community Today	3(3-0-6)	and abro	oad.	
221457	Comparative Community				
	Development	3(2-2-5)	E	Bachelor of Arts Progra	m in
221458	Recreation and Community	,		English Language	
	Development	3(2-2-5)	Courses	s Structure	
225223	Religions and Thai Tradition	ons	Course	Students are required to tal	re a
		3(3-0-6)	minimu	m of 128 credits from the fol	
225312	Urban Sociology	3(3-0-6)	sections		<u></u>
225316	Mass Communication and		00000	1. General Education Cou	ırses
	Public Opinion	3(3-0-6)			30 credits
225317	Sociology of Women	3(3-0-6)		Required Courses	26 credits
225341	Introductory Statistics for			- English Group	12 credits
	the Social Sciences	3(3-0-6)		- Thai Group	2 credits
225343	The Application of Statisti	cal		- Information Technology	
	Package in Social Sciences	3(2-2-5)		Group	3 credits
					

	- Interdisciplinary Integ	gration	999103 Interdisciplinary Integration	ı III
	Group	9 credits		3(3-0-6)
	Elective Courses	4 credits	Elective Courses	4 credits
	2. Area of Concentration (Courses	A minimum requirement	for elective
		92 credits	courses is 4 credits. Students can	select from
	- Major Courses	74 credits	General Education Courses which ar	e offered in
	- Minor Courses	18 credits	other faculties from the General	Education
	3. Free Elective Courses	6 credits	Courses Manual (2002), Burapha Un	iversity.
1. Gener	ral Education Courses	30 credits	2. Area of Concentration Courses	92 credits
Require	d Courses	26 credits	Major Courses	74 credits
	English Group	12 credits	Major Required Courses	42 credits
Basic Eng	glish	6 credits	212211 Reading Techniques	3(3-0-6)
212101	English I	3(3-0-6)	212212 Analytical Reading	2(2-0-4)
212102	English II	3(3-0-6)	212221 Writing I	2(2-0-4)
212103	English III	3(3-0-6)	212222 Writing II	2(2-0-4)
212104	English IV	3(3-0-6)	212231 Oral English I	2(1-2-3)
Professio	nal English	6 credits	212232 Oral English II	2(1-2-3)
212207	English Communicative Sp	eaking	212241 Background to English	
		3(2-2-5)	Language and Culture	2(2-0-4)
212208	English Writing Skills	3(3-0-6)	212242 The Novel and the Short St	ory
	Thai Group	2 credits		2(2-0-4)
208101	Thai Language Skills	2(2-0-4)	212281 English Phonology	2(1-2-3)
	Information Technology		212313 Critical Reading	2(2-0-4)
	Group	3 credits	212323 Essay Writing	2(2-0-4)
310101	Computer and the Internet	3(2-2-5)	212324 Summary Writing	2(2-0-4)
	Interdisciplinary Integration		212333 oral Writing III	2(1-2-3)
200404	Group	9 credits	212334 Oral Presentation	2(1-2-3)
999101	Interdisciplinary Integration		212351 Introduction to Poetry	2(2-0-4)
		3(3-0-6)	212352 Drama	3(3-0-6)
999102	Interdisciplinary Integration		212361 Basic Translation	2(2-0-4)
		3(3-0-6)	212362 Translation I	2(2-0-4)

212382	English Syntax	2(2-0-4)	212466	Spontaneous Translation I	2(1-2-3)
212425	Reséarch Paper	2(2-0-4)	212467	Spontaneous Translation II	2(1-2-3)
Major El	ective Courses	32 credits	212477	English for Printed Media	2(2-0-4)
212343	The English and American	Novel	212478	English for Broadcasting M	ledia
		2(2-0-4)			2(1-2-3)
212344	Contemporary Literature	2(2-0-4)	212479	English for Advertising and	l
212353	Poetry	2(2-0-4)		Public Relation	2(1-2-3)
212354	Modern Drama	2(2-0-4)	212483	Contrastive Analysis of	
212371	Business English	2(2-0-4)		English and Thai	2(2-0-4)
212372	Business for Workplace	2(1-2-3)	212484	Applied Linguistics	2(1-2-3)
212373	English for Hotel	2(1-2-3)	212493	Independent Study in	
212374	English for Tourism Industr	гу		English Language	2(0-4-2)
		2(1-2-3)	212494	Project in English for Touri	sm
212375	English for Domestic Touri	sm			2(0-4-2)
		2(1-2-3)	212495	Project in Translation	2(0-4-2)
212376	English for Information		212496	Project in Printed Media	2(0-4-2)
	Technology Communicatio	n2(1-2-3)	212497	Seminar on Selected Topic	2(0-4-2)
212391	Practicum	2(0-10-0)	212498	Advanced Language Skills	for
212392	Cross Cultural Experience	3(3-0-6)		Graduate Studies	2(1-2-3)
212426	Advanced Essay Writing	2(2-0-4)		Minor Courses	18 credits
212427	Creative Writing	2(2-0-4)		Students can select other	minor from
212435	Oral Discussion and Debate	2(1-2-3)	other f	aculties in Burapha Uni	versity on
212445	Literary Criticism	2(2-0-4)	approval	from the Head of Departme	nt.
212455	English and American Drar	na	3. Free 1	Elective Courses	6 credits
		2(2-0-4)		Students may take at least	6 credits as
212456	Modern British and		free elec	tive credits to complete the	graduation
	American poetry	2(2-0-4)	requiren	nent from courses provided	at Burapha
212457	Shakespearean Drama	2(2-0-4)	Universi	ty or other universities both	in Thailand
212463	Translation of Non-fiction	2(2-0-4)	and abro	ad.	
212464	Translation of Fiction	2(2-0-4)			
212465	Translation of Literature	2(2-0-4)			

Back	ielor Arts Program in	History	212202	English for Humanities and	I	
Courses	Structure			Social Sciences II	3(2-2-5)	
	Students are required to	take a	212207	English Communicative Sp	eaking	
minimu	n of 135 credits from the	following			3(2-2-5)	
sections	:			Thai Group	2 credits	
	1. General Education Co	urses	208101	Thai Language Skills	2(2-0-4)	
		30 credits		Information Technology		
	Required Courses	26 credits		Group	3 credits	
	- English Group	12 credits	310101	Computer and the Internet	3(2-2-5)	
	- Thai Group	2 credits		Interdisciplinary Integratio	n	
	- Information Technol	ogv		Group	9 credits	
	Group	3 credits	9991 01	Interdisciplinary Integration	n I	
	- Interdisciplinary Inte	gration			3(3-0-6)	
	Group	9 credits	999102	Interdisciplinary Infegration	n II	
	Elective Courses	4 credits			3(3-0-6)	
	2. Area of Concentration	99 credits	999103	Interdisciplinary Integration	n III n	
	- Core Courses	24 credits			3(3-0-6)	
	- Major Courses	57 credits	Elective	Courses	4 credits	
	- Minor Courses	18 credits		A minimum requirement	for elective	
	3. Free Elective Courses	6 credits	courses	s is 4 credits. Students can select from		
1. Gene	eral Education Courses	30 credits	General Education Courses which are offered in			
Reguire	ed Courses	26 credits	other fa	aculties from the General	Education	
•	English Group	12 credits	Courses	Manual (2002), Burapha Un	iversity.	
Basic En	glish	6 credits	2. Area	of Concentration Courses	99 credits	
212101	English I	3(3-0-6)		Core Courses	24 credits	
212102	English II	3(3-0-6)		English Group	6 credits	
212103	English III	3(3-0-6)	212208	English Writing Skills	3(3-0-6)	
212104	English IV	3(3-0-6)	212211	Reading Techniques	3(3-0-6)	
Professio	nal English	6 credits	212212	Analytical Reading	2(2-0-4)	
212201	English for Humanities and	I	212221	Writing I	2(2-0-4)	
	Social Sciences I	3(2-2-5)	212222	Writing II	2(2-0-4)	
			212231	Oral English I	2(1-2-3)	

212232	Oral English II	2(1-2-3)	280322	Language and Culture	2(2-0-4)
212261	Basic Translation	2(2-0-4)	208362	Historical Literature	2(2-0-4)
	Thai Group	6 credits	208472	Political Literature	2(2-0-4)
208211	Writing	3(3-0-6)	214291	Creative Thinking	2(2-0-4)
208213	Analytical Reading	2(2-0-4)		Major Courses	57 credits
208214	Speed Reading	2(2-0-4)		Major Required Courses	36 credits
208312	Business Writing	3(3-0-6)	203221	Thai History: Early Period	3(3-0-6)
215351	News Writing	3(3-0-6)	203222	Thai History: Modern Perio	d3(3-0-6)
216412	Speech for Personality		203231	History of Southeast Asia	3(3-0-6)
	Development	3(3-0-6)	203232	History of East Asia	3(3-0-6)
219355	Feature Writing	3(3-0-6)	203233	History of South Asia	3(3-0-6)
	Sociology Group	6 credits	203241	History of Western Civiliza	tion I
203215	Thai Civilization	3(3-0-6)			3(3-0-6)
221355	World Community Today	3(3-0-6)	203242	History of Western Civiliza	tion II
224241	International Relations	3(3-0-6)			3(3-0-6)
221321	Politics and Government		203321	Local History	3(3-0-6)
	of the South	3(3-0-6)	203322	History of Eastern Thailand	3(3-0-6)
224322	Politics and Government		203351	Historical Methods	3(3-0-6)
	of the North	3(3-0-6)	203421	Seminar in Thai History	3(2-2-5)
221423	State and Civil Society	3(3-0-6)	203451	Sessional Paper	3(1-4-6)
225221	Cultural Anthropology	3(3-0-6)		Major Elective Courses	21 credits
225311	Rural Social	3(3-0-6)	203325	History of Thai Politics and	
225312	Urban Sociology	3(3-0-6)		Government	3(3-0-6)
225342	Research Methods in Social		203326	Cultural History of Thai To	urism
	Sciences	3(3-0-6)			3(3-0-6)
225423	Thai Society and Culture	3(3-0-6)	203327	History of Thai Architecture	e3(3 - 0-6)
226211	Microeconomics I	3(3-0-6)	203335	History of the Middle East	3(3-0-6)
226212	Macroeconomics I	3(3-0-6)	203345	History of Latin America	3(3-0-6)
	Sociology Group	6 credits	203346	History of the United Stated	3(3-0-6)
204311	Comparative Philosophy	3(3-0-6)	203355	History of Historical Writin	g
208281	Folklore	2(2-0-4)			3(3-0-6)

203365	Analytical Contemporary	
203303	World Affairs	3(3-0-6)
002266	., ••••	
203366		3(3-0-6)
203367	•	3(3-0-6)
203368	History and Tourism	3(3-0-6)
203425	Economic History of Thaila	nd
		3(3-0-6)
203426	Thai Social and Intellectual	
	History	3(3-0-6)
203427	Thai Diplomatic History	3(3-0-6)
203428	Gender in Thai History	3(3-0-6)
203429	Selected Topics in Thai His	tory
		3(3-0-6)
203435	History of Modern China	3(3-0-6)
203436	History of Modern Japan	3(3-0-6)
203437	Reading and Analysis in	
	Southeast Asia History	3(3-0-6)
203438	Social and Cultural History	
	of Modern Southeast Asia	3(3-0-6)
203445	Intellectual History of the	
	Western World	3(3-0-6)
203446	History of Innovations and I	Inventions
	in the Western World	3(3-0-6)
203447	History of Modern Russian	3(3-0-6)
203465	Big Powers Diplomacy	3(3-0-6)
203466	Peace History	3(3-0-6)
232325	Archaeology in Thailand	3(3-0-6)
232326	- 7	
		3(3-0-6)

232335 Art and Archaeology in the Neighboring Countries

of Thailand 3(3-0-6)
233360 Museum Studies 3(3-0-6)
Minor Courses 18 credits

Studentscan select other minor courses from other faculties in Burapha University on approval of the Head of Department.

3. Free Elective Courses 6 credits

Students may take at least 6 credits as free elective from courses provided at Burapha University or other universities both in Thailand and abroad to complete the graduation requirement.

Bachelor of Arts Program in Japanese Language

Courses Structure

Students are required to take a minimum of 132 credits from the following sections:

1. General Education Courses

Elective Courses

Required Courses 26 credits

- English Group 12 credits

- Thai Group 2 credits

- Information Technology

Group 3 credits

- Interdisciplinary Integration

Group 9 credits

4 credits

	2. Area of Concentration (Courses	Elective Courses	4 credits
		96 credits	A minimum require	ement for elective
	- Major Courses	78 credits	courses is 4 credits. Student	s can select from
	- Minor Courses	18 credits	General Education Courses w	hich are offered in
	3. Free Elective Courses	6 credits	other faculties from the C	eneral Education
1. Gener	ral Education Courses	30 credits	Courses Manual (2002), Buraj	oha University.
Require	d Courses	26 credits	2. Area of Concentration Co	urses 96 credits
	English Group	12 credits	Major Courses	78 credits
Basic Eng	glish	6 credits	Major Elective Courses	51 credits
212101	English I	3(3-0-6)	207111 Japanese I	3(2-3-4)
212102	English II	3(3-0-6)	207112 Japanese II	3(2-3-4)
212103	English III	3(3-0-6)	207213 Japanese III	3(2-3-4)
212104	English IV	3(3-0-6)	207214 Japanese IV	3(2-3-4)
Profession	nal English	6 credits	207221 Japanese Listening-S	Speaking I
212201	English for Humanities and			3(3-0-6)
	Social Sciences I	3(2-2-5)	207222 Japanese Listening-S	Speaking II
212207	English Communicative Sp	eaking		3(3-0-6)
		3(2-2-5)	207231 Japanese Reading I	3(3-0-6)
212208	English Writing Skills	3(3-0-6)	207232 Japanese Reading II	3(3-0-6)
	Thai Group	2 credits	207241 Japanese Writing I	3(3-0-6)
208101	Thai Language Skills	2(2-0-4)	207315 Japanese V	3(2-3-4)
	Information Technology		207316 Japanese VI	3(2-3-4)
	Group	3 credits	207323 Japanese Listening-S	peaking III
310101	Computer and the Internet			3(3-0-6)
	Interdisciplinary Integration		207324 Japanese Listening-S	speaking IV
	Group	9 credits		3(3-0-6)
999101	Interdisciplinary Integratio		207333 Japanese Reading III	3(3-0-6)
		3(3-0-6)	207342 Japanese Writing II	3(3-0-6)
999102	Interdisciplinary Integratio	n II	207425 Japanese Business	
		3(3-0-6)	Conversation I	3(3-0-6)
999103	Interdisciplinary Integration	n III	207451 Japanese Translation	I 3(3-0-6)
		3(3-0-6)		

Major Fl	ective Courses	27 credits	University o	r other universities both	in Thailand
•	Japanese Linguistics	3(3-0-6)	and abroad.	. • • • • • • • • • • • • • • • • • • •	
207334		,	and abroad.		
207334	Japanese Nowspaper Reads	3(3-0-6)			
207262	Tamanaga Cimiatura	3(3-0-6)	Васі	ielor of Arts Program	n 111
207362	•	3(3-0-6)		Korean Language	
207371	Japanese Folklore		Courses Str	ructure	
207372	•	3(3-0-6)	Str	udents are required to tak	e a
207381	•	3(3-0-6)	minimum of	f 132 credits from the following	owing
207382	•	3(3-0-6)	sections:		
207426	Japanese Business		1.	General Education Cou	rses
	Conversation II	3(3-0-6)			30 credits
207443	Japanese Business Writing	3(3-0-6)		Required Courses	26 credits
207452	Japanese Translation II	3(3-0-6)		- English Group	12 credits
207453	Japanese for Hotel Busines	s 3(3-0-6)		- Thai Group	2 credits
207454	Japanese for Tour Guides I	3(3-0-6)		- Information Technolo	gV
207455	Japanese for Tour Guides I	I 3(3-0-6)		Group	3 credits
207456	Japanese for Industry	3(3-0-6)		- Interdisciplinary Inte	•
207457	Japanese for Mass Commu	nication		Group	9 credits
		3(3-0-6)		Elective Courses	4 credits
207463	Teaching Japanese as a for	eign	2	Area of Concentration	
	Language	3(3-0-6)	۷.	Area of Concentration	96 credits
207473	Japanese Short Stories	3(3-0-6)		Material Consession	
207483	Japanese Seminar	3(3-0-6)		- Major Courses	78 credits
	Minor Courses	18 credits		- Minor Courses	18 credits
	Students can select other	minor from		Free Elective Courses	6 credits
other	faculties in Burapha Un	iversity on		Education Courses	30 credits
approva	al from the Head of Departme	ent.	Required (Courses	26 credits
	Elective Courses	6 credits		nglish Group	12 credits
	Students may take at least		Basic English		6 credits
free ele	ctive credits to complete th		212101 E	_	3(3-0-6)
	ment from courses provided		212102 E	nglish II	3(3-0-6)
require	ment trom comises broance	i ar Darahiia	212103 E	nglish III	3(3-0-6)

212104	English IV	3(3-0-6)	205214	Korean IV	3(2-3-4)
Professio	nal English	6 credits	205221	Korean Listening-Speaking	z I
212201	English for Humanities and	3			3(3-0-6)
	Social Sciences I	3(2-2-5)	205222	Korean Listening-Speaking	g II
212207	English Communicative Sp	peaking			3(3-0-6)
		3(2-2-5)	205231	Korean Reading I	3(3-0-6)
212208	English Writing Skills	3(3-0-6)	205232	Korean Reading II	3(3-0-6)
	Thai Group	2 credits	205241	Korean Writing I	3(3-0-6)
208101	Thai Language Skills	2(2-0-4)	205315	Korean V	3(2-3-4)
	Information Technology		205316	Korean VI	3(2-3-4)
	Group	3 credits	205323	Korean Listening-Speaking	g III
310101	Computer and the Internet	3(2-2-5)			3(3-0-6)
	Interdisciplinary Integratio	n	205324	Korean Listening-Speaking	, IV
	Group	9 credits			3(3-0-6)
999101	Interdisciplinary Integratio	n I	205333	Korean Reading III	3(3-0-6)
		3(3-0-6)	205342	Korean Writing II	3(3-0-6)
999102	Interdisciplinary Integratio	on II	205425	Korean Business Conversat	tion I
		3(3-0-6)			3(3-0-6)
999103	Interdisciplinary Integration	n III	205451	Korean Translation I	3(3-0-6)
		3(3-0-6)	Major El	ective Courses	27 credits
Elective	Courses	4 credits	205261	Korean Linguistics	3(3-0-6)
	A minimum requirement	for elective	205334	Korean Newspaper Reading	g 3(3-0-6)
courses	is 4 credits. Students can	select from	205362	Korean Structure	3(3-0-6)
General 1	Education Courses which ar	e offered in	205371	Korean Folklore	3(3-0-6)
other fa	culties from the General	Education	205372	Korean Literary Works	3(3-0-6)
Courses l	Manual (2002), Burapha Un	iversity.	205381	Korean Culture	3(3-0-6)
2. Area c	of Concentration Courses	96 credits	205382	Korean Today	3(3-0-6)
	Major Courses	78 credits	205426	Korean Business Conversat	ion II
Major Re	quired Courses	51 credits			3(3-0-6)
205111	Korean I	3(2-3-4)	206443	Korean Business Writing	3(3-0-6)
205112	Korean II	3(2-3-4)	205452	Korean Translation II	3(3-0-6)
205213	Korean III	3(2-3-4)			•

205453	Korean for Hotel Business	3(3-0-6)
205454	Korean for Tour Guides I	3(3-0-6)
205455	Korean for Tour Guides II	3(3-0-6)
205456	Korean for Industry	3(3-0-6)
205457	Korean for Mass Communi	cation
		3(3-0-6)
205463	Teaching Korean as a foreign	gn
	Language	3(3-0-6)

205473 Korean Short Stories 3(3-0-6)

205483 Korean Seminar 3(3-0-6) 18 credits Minor Courses

Students can select other minor from other faculties in Burapha University on approval from the Head of Department.

6 credits 3. Free Elective Courses

Students may take at least 6 credits as free elective credits to complete the graduation requirement from courses provided at Burapha University or other universities both in Thailand and abroad.

Bachelor of Arts Program in Religions and Philosophy

Courses Structure

Students are required to take a minimum of 129 credits from the following sections:

	1.	General Education Cou	rses
			30 credits
		Required Courses	26 credits
		- English Group	12 credits
		- Thai Group	2 credits
		- Information Technolo	gy
		Group	3 credits
		- Interdisciplinary Inte	gration
		Group	9 credits
		Elective Courses	4 credits
	2.	Area of Concentration	Courses
			93 credits
		- Major Courses	75 credits
		- Minor Courses	18 credits
	3.	Free Elective Courses	6 credits
1. Gener	al l	Education Courses	30 credits
Require	d C	ourses	26 credits
	En	glish Group	12 credits
Basic Eng	lish	I	6 credits
212101	En	glish I	3(3-0-6)

3(3-0-6)

3(3-0-6)

3(3-0-6)

212102 English II

212103 English III

212104 English IV

				•	
Professional English		6 credits	204213	Eastern Philosophy: Chinese	
212201	English for Humanities and			and Japanese	3(3-0-6)
	Social Sciences I	3(2-2-5)	204231	Buddhist Principles	3(3-0-6)
212207	English Communicative Sp	eaking	204232	Buddhist in Thailand	3(3-0-6)
		3(2-2-5)	204251	Ethics	3(3-0-6)
	Thai Group	2 credits	204261	Aesthetics	3(3-0-6)
208101	Thai Language Skills	2(2-0-4)	204314	Taoism and Confucianism	3(3-0-6)
	Information Technology		204334	Principles of Christianity	
	Group	3 credits		and Islam	3(3-0-6)
310101	Computer and the Internet	3(2-2-5)	204421	Metaphysics and Epistemo	logy
	Interdisciplinary Integration	n			3(3-0-6)
	Group	9 credits	204481	Independent Study	3(3-0-6)
999101	Interdisciplinary Integratio	n I	Major R	equired Courses	33 credits
		03(3-0-6)	204131	Religions and Religious	
999102	Interdisciplinary Integratio	n II		Phenomena	3(3-0-6)
		3(3-0-6)	204214	The Art of Living with Oth	ers
999103	Interdisciplinary Integration	ı III			3(3-0-6)
		3(3-0-6)	204234	Christianity	3(3-0-6)
Elective	Courses	4 credits	204235	Islam	3(3-0-6)
	A minimum requirement	for elective	204311	Thai Philosophy	3(3-0-6)
courses	is 4 credits. Students can	select from	204312	Western Philosophy II	3(3-0-6)
General	Education Courses which are	e offered in	204313	Contemporary Indian Philo	sophy
other fa	aculties from the General	Education			3(3-0-6)
Courses	Manual (2002), Burapha Un	iversity.	204315	Buddhist Philosophy	
2. Area	of Concentration Courses	93 credits		of Education	3(3-0-6)
	Major Courses	75 credits	204321	Philosophy in Literature	3(3-0-6)
Major Ro	equired Courses	42 credits	204331	Theravada Buddhist	3(3-0-6)
204111	Introduction to Philosophy	3(3-0-6)	204332	Mahayana Buddhist	3(3-0-6)
204132	Introduction to Religions	3(3-0-6)	204333	Buddhist and the Environm	ent
204141	Introduction to Logic	3(3-0-6)			3(3-0-6)
204211	Ancient Indian Philosophy	3(3-0-6)			
204212	Western Philosophy I	3(3-0-6)			

204335	Religion, Science and Socie	ety	Bacl	helo	r of Arts Program i	n Thai
		3(3-0-6)	Courses	Str	ucture	
204341	Symbolic Logic	3(3-0-6)		Stu	idents are required to tak	e a
204422	Theravada and Mahayana		minimur	m of	120 credits from the following	lowing
	Buddhist Philosophy	3(3-0-6)	sections	:		-
204423	Social and Political Philoso	phy		1.	General Education Cou	rses
		3(3-0-6)				30 credits
204424	Philosophical Principles in				Required Courses	26 credits
	Everyday Life	3(3-0-6)			- English Group	12 credits
204425	Comparative Philosophy	3(3-0-6)			- Thai Group	2 credits
204426	Philosophical Thoughts of				- Information Technolo	gy
	Buddhist Scholars	3(3-0-6)			Group	3 credits
204431	Comparative Religions	3(3-0-6)			- Interdisciplinary Inte	gration
204471	Introduction to Buddhist				Group	9 credits
	Psychological Principles	3(3-0-6)			Elective Courses	4 credits
204472	Buddhist Mediation	3(3-0-6)		2.	Area of Concentration	Courses
	Minor Courses	18 credits			•	84 credits
	Students can select other	minor from			- Major Courses	66 credits
other f	aculties in Burapha Un	iversity on			- Minor Courses	18 credits
approva	I from the Head of Departme	ent.		3.	Free Elective Courses	6 credits
3. Free	Elective Courses	6 credits	1. Gene	ral l	Education Courses	30 credits
	Students may take at least	6 credits as	Require	ed C	ourses	26 credits
	ctive credits to complete the	_		En	glish Group	12 credits
•	nent from courses provided	-	Basic En	glish		6 credits
Ē	ity or other universities both	in Thailand	212101	En	glish I	3(3-0-6)
and abro	oad.		212102		glish II	3(3-0-6)
			212103		_	3(3-0-6)
			212104		<u> </u>	3(3-0-6)
			Professio			6 credits
			212201		•	
			212201		glish for Humanities and cial Sciences I	3(2-2-5)

212202	English for Humanities and	đ	208271	Contemporary Literature	2(2-0-4)
	Social Sciences II	3(2-2-5)	208281	Folklore	2(2-0-4)
212208	English Writing Skills	3(3-0-6)	208321	Pali and Sanskrit	3(3-0-6)
	Thai Group	2 credits	208322	Pali and Sanskrit in Thai	2(2-0-4)
208101	Thai Language Skills	2(2-0-4)	208323	Khmer in Thai	2(2-0-4)
	Information Technology		208351	Comparative Literature	3(3-0-6)
	Group	3 credits	208352	Literary Criticism	3(3-0-6)
310101	Computer and the Internet	3(2-2-5)	208361	Masterpieces of Thai Litera	ature
	Interdisciplinary Integration	n			3(3-0-6)
	Group	9 credits	208391	Research on Thai I	2(2-0-4)
999101	Interdisciplinary Integratio	n I	208392	Research on Thai II	3(1-4-6)
		3(3-0-6)	208431	Evolution of Thai Languag	e 2(2-0-4)
999102	Interdisciplinary Integratio	n II	208461	Buddhist Literature	2(2-0-4)
		3(3-0-6)	208491	Problems in Contemporary	
999103	Interdisciplinary Integration	ı III		Thai Usage	2(2-0-4)
		3(3-0-6)	Major VI	ective Courses	19 credits
		• •	Major E	ective Courses	19 credits
Elective	e Courses	4 credits	•	Writing II	2(2-0-4)
Elective	Courses A minimum requirement		208212		
		for elective	208212 208214	Writing II	2(2-0-4)
courses	A minimum requirement	for elective select from	208212 208214	Writing II Speed Reading	2(2-0-4) 2(2-0-4)
courses General	A minimum requirement is 4 credits. Students can	for elective select from e offered in	208212 208214 208215	Writing II Speed Reading Oral Reading Thai Regional Dialects	2(2-0-4) 2(2-0-4) 2(1-2-3)
courses General other fa	A minimum requirement is 4 credits. Students can selected to the students of the courses which are	for elective select from e offered in Education	208212 208214 208215 208233 208262	Writing II Speed Reading Oral Reading Thai Regional Dialects	2(2-0-4) 2(2-0-4) 2(1-2-3) 2(2-0-4)
courses General other fa	A minimum requirement is 4 credits. Students can selected the Education Courses which are culties from the General	for elective select from e offered in Education iversity.	208212 208214 208215 208233 208262 208263	Writing II Speed Reading Oral Reading Thai Regional Dialects Niras	2(2-0-4) 2(2-0-4) 2(1-2-3) 2(2-0-4) 2(2-0-4)
courses General other fa	A minimum requirement is 4 credits. Students can selected the Courses which are culties from the General Manual (2002), Burapha United	for elective select from e offered in Education iversity.	208212 208214 208215 208233 208262 208263 208264	Writing II Speed Reading Oral Reading Thai Regional Dialects Niras Poetic Tales	2(2-0-4) 2(2-0-4) 2(1-2-3) 2(2-0-4) 2(2-0-4) 2(2-0-4)
courses General other fa Courses 2. Area	A minimum requirement is 4 credits. Students can see Education Courses which are culties from the General Manual (2002), Burapha United Concentration Courses	for elective select from e offered in Education iversity.	208212 208214 208215 208233 208262 208263 208264 208265	Writing II Speed Reading Oral Reading Thai Regional Dialects Niras Poetic Tales King Rama II's Works	2(2-0-4) 2(2-0-4) 2(1-2-3) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4)
courses General other fa Courses 2. Area	A minimum requirement is 4 credits. Students can see Education Courses which are culties from the General Manual (2002), Burapha United Concentration Courses Major Courses	for elective select from e offered in Education iversity. 84 credits 66 credits	208212 208214 208215 208233 208262 208263 208264 208265	Writing II Speed Reading Oral Reading Thai Regional Dialects Niras Poetic Tales King Rama II's Works Didactic Literature	2(2-0-4) 2(2-0-4) 2(1-2-3) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4)
courses General other fa Courses 2. Area of Major Pr 208201	A minimum requirement is 4 credits. Students can see Education Courses which are culties from the General Manual (2002), Burapha Unit of Concentration Courses Major Courses	for elective select from e offered in Education iversity. 84 credits 66 credits 2 credits 2(2-0-4) 45 credits	208212 208214 208215 208233 208262 208263 208264 208265 208272	Writing II Speed Reading Oral Reading Thai Regional Dialects Niras Poetic Tales King Rama II's Works Didactic Literature Literary Works for Children	2(2-0-4) 2(2-0-4) 2(1-2-3) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4) 1 2(2-0-4)
courses General other fa Courses 2. Area of Major Pr 208201	A minimum requirement is 4 credits. Students can see Education Courses which are culties from the General Manual (2002), Burapha Unit of Concentration Courses Major Courses of Courses Effective Speech	for elective select from e offered in Education iversity. 84 credits 66 credits 2 credits	208212 208214 208215 208233 208262 208263 208264 208265 208272 208311	Writing II Speed Reading Oral Reading Thai Regional Dialects Niras Poetic Tales King Rama II's Works Didactic Literature Literary Works for Children Non-Fiction Writing Business Writing	2(2-0-4) 2(2-0-4) 2(1-2-3) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4) 1 2(2-0-4) 3(3-0-6)
courses General other fa Courses 2. Area Major Pr 208201 Major Re	A minimum requirement is 4 credits. Students can see Education Courses which are culties from the General Manual (2002), Burapha Unit of Concentration Courses Major Courses Ofessional Courses Effective Speech quired Courses	for elective select from e offered in Education iversity. 84 credits 66 credits 2 credits 2(2-0-4) 45 credits	208212 208214 208215 208233 208262 208263 208264 208265 208272 208311 208312	Writing II Speed Reading Oral Reading Thai Regional Dialects Niras Poetic Tales King Rama II's Works Didactic Literature Literary Works for Children Non-Fiction Writing Business Writing Khmer	2(2-0-4) 2(2-0-4) 2(1-2-3) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4) 3(3-0-6) 3(3-0-6) 2(2-0-4)
courses General other fa Courses 2. Area Major Pr 208201 Major Re 208211	A minimum requirement is 4 credits. Students can a Education Courses which are culties from the General Manual (2002), Burapha Unit of Concentration Courses Major Courses of essional Courses Effective Speech quired Courses Writing I	for elective select from e offered in Education iversity. 84 credits 66 credits 2 credits 2(2-0-4) 45 credits 3(3-0-6)	208212 208214 208215 208233 208262 208263 208264 208265 208272 208311 208312 208324	Writing II Speed Reading Oral Reading Thai Regional Dialects Niras Poetic Tales King Rama II's Works Didactic Literature Literary Works for Children Non-Fiction Writing Business Writing Khmer	2(2-0-4) 2(2-0-4) 2(1-2-3) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4) 3(3-0-6) 3(3-0-6) 2(2-0-4)
courses General other fa Courses 2. Area Major Pr 208201 Major Re 208211 208213	A minimum requirement is 4 credits. Students can seed the Education Courses which are culties from the General Manual (2002), Burapha Unit of Concentration Courses Major Courses Effective Speech equired Courses Writing I Analytical Reading	for elective select from e offered in Education iversity. 84 credits 66 credits 2 credits 2(2-0-4) 45 credits 3(3-0-6) 2(2-0-4)	208212 208214 208215 208233 208262 208263 208264 208265 208272 208311 208312 208324	Writing II Speed Reading Oral Reading Thai Regional Dialects Niras Poetic Tales King Rama II's Works Didactic Literature Literary Works for Children Non-Fiction Writing Business Writing Khmer	2(2-0-4) 2(2-0-4) 2(1-2-3) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4) 3(3-0-6) 3(3-0-6) 2(2-0-4)

208326	Characteristics of the Thai		208463	Choapraya Praklanhol's Wo	orks
	Language	3(3-0-6)			2(2-0-4)
208331	Semantics	2(2-0-4)	208464	Prince Bidyalongkorn's Wo	orks
208332	Language and Culture	2(2-0-4)			2(2-0-4)
208333	Language and Society	2(2-0-4)	208471	Literature and Musical Art	2(2-0-4)
208334	Applied Linguistics	2(2-0-4)	208472	Political Literature	2(2-0-4)
208335	Historical Linguistics	3(3-0-6)		Minor Courses	18 credits
208353	Evolution of Prose and Poe	try		Students can select other mi	nor courses
		2(2-0-4)	from otl	her faculties in Burapha Ur	iversity on
208362	Historical Literature	2(2-0-4)	approva	l from the Head of Departme	nt.
208363	Drama	2(2-0-4)	3. Free	Elective Courses	6 credits
208364	Jataka Literature	3(3-0-6)		Students may take at least	6 credits as
208371	Soonthornpoo's Works	2(2-0-4)	free elec	ctive credits to complete the	graduation
208372	Regional Literature	2(2-0-4)	requiren	nent from courses provided	at Burapha
208373	Translated Literary Works	2(2-0-4)	Universi	ty or other universities both	in Thailand
208381	Research on Folklore	2(2-0-4)	and abro	oad.	
208411	Poetry Writing	3(3-0-6)			
208412	Fiction Writing	3(3-0-6)	Ba	achelor of Business Admir	nistration
208421	Logic of Language	2(2-0-4)	P	rogram in Human Reso	urce
208422	Khmer Orthography	2(2-0-4)		Management	
208423	Thai Inscription	3(3-0-6)	Courses	Structure	
208424	Language in Mass Media	3(3-0-6)		Students are required to tak	e a
208432	Etymology	2(2-0-4)	minimur	n of 135 credits from the foll	
208433	Languages in Southeast Asi		sections:	:	_
		2(2-0-4)		General Education Countries	rses
208434	Linguistics and Thai Literat				30 credits
		2(2-0-4)		Required Courses	26 credits
	Discourse Analysis	2(2-0-4)		- English Group	12 credits
•	Loanwords in Thai	2(2-0-4)		- Thai Group	2 credits
208462	Literature Based on	2/2 0 1)		- Information Technolog	gy
	Thai Customs	2(2-0-4)		Group	3 credits

Group 9 credits Elective Courses 4 credits 310101 Computer and the Internet 3(2-2-5)			- Interdisciplinary Inter	gration		Information Technology	
Elective Courses			•	_			3 credits
2. Area of Concentration Courses 99 credits - Basic Professional Courses 54 credits - Major Required Courses 999102 Interdisciplinary Integration I 3(3-0-6) - Major Elective Courses 999103 Interdisciplinary Integration II 3(3-0-6) - Major Elective Courses 9 credits - Major Elective Courses 9 credits - Major Elective Courses 9 credits - Major Elective Courses 9 credits - Major Elective Courses 9 credits - Major Elective Courses 9 credits - Major Elective Courses 9 credits - Major Elective Courses 9 credits - Major Elective Courses 9 credits - Major Elective Courses 9 credits - Major Elective Courses 9 credits - Major Elective Courses 9 credits - Major Elective Courses 9 credits - Ma minimum requirement for elective courses is 4 credits. Students can select from General Education Courses which are offered in other faculties from the General Education Courses which are offered in other faculties from the General Education Courses which are offered in other faculties from the General Education Courses Pop credits 1212102 English II 13(3-0-6) 2. Area of Concentration Courses 99 credits 1212104 English IV 13(3-0-6) 2. Area of Concentration Courses 99 credits 1212104 English IV 13(3-0-6) 2. Area of Concentration Courses 99 credits 13(3-0-6) 1212201 English for Humanities and 226211 Microeconomics I 13(3-0-6) 1212202 English for Humanities and 226211 Microeconomics I 13(3-0-6) 1212202 English for Humanities and 228211 Principles of Marketing 13(3-0-6) 1212203 English Communicative Speaking 13(3-0-6) 1212204 English Communicative Speaking 13(3-0-6)			•	4 credits	310101	Computer and the Internet	3(2-2-5)
Pasic Professional Courses 99 credits 999101 Interdisciplinary Integration I 3(3-0-6)		2				•	
Pasic Professional Courses 999101 Interdisciplinary Integration 1 3(3-0-6)		۷,	Area of Concentration				
Sq. 1-6			- Basic Professional		999101	Interdisciplinary Integratio	n I
- Major Required Courses 999102 Interdisciplinary Integration			- Dasie i fotessional				3(3-0-6)
36 credits			- Major Required Cours		999102	Interdisciplinary Integratio	n II
- Major Elective Courses 9 credits 3. Free Elective Courses 6 credits 1. General Education Courses 30 credits Required Courses 26 credits English Group 12 credits English Group 12 credits English I 3(3-0-6) 212101 English I 3(3-0-6) 212102 English II 3(3-0-6) 212103 English III 3(3-0-6) 212104 English IV 3(3-0-6) 212105 English IV 3(3-0-6) 212106 English For Humanities and Social Sciences I 3(2-2-5) 212207 English Gormunicative Speaking Social Sciences II 3(2-2-5) 212208 English Writing Skills 3(3-0-6) Thai Group 2 credits 999103 Interdisciplinary Integration III 3(3-0-6) Elective Courses			- Major Required Cours			. , ,	
3. Free Elective Courses 6 credits 1. General Education Courses 30 credits Required Courses 26 credits English Group 12 credits Basic English 6 credits Courses is 4 credits. Students can select from courses is 4 credits. Students can select from different in the General Education Courses which are offered in other faculties from the General Education Courses which are offered in other faculties from the General Education Courses which are offered in other faculties from the General Education Courses Manual (2002), Burapha University. 1212102 English III 3(3-0-6) Courses Manual (2002), Burapha University. 1212103 English III 3(3-0-6) 2. Area of Concentration Courses 99 credits 1212104 English IV 3(3-0-6) Basic Professional Courses 54 credits 1212105 English for Humanities and Social Sciences I 3(2-2-5) 227211 Business Finance 3(3-0-6) 1212202 English for Humanities and Social Sciences II 3(2-2-5) 229212 Financial Accounting 3(3-0-6) 1212203 English Communicative Speaking 22921 Accounting for Decision Making 3(3-0-6) 1212204 English Writing Skills 3(3-0-6) 230211 Business Law 3(3-0-6) 1212205 English Writing Skills 3(3-0-6) 230211 Business Law 3(3-0-6) 1212206 Thai Group 2 credits 230221 Principles of Management 3(3-0-6) 1208101 Thai Language Skills 2(2-0-4) 230231 Taxation 3(3-0-6)			Main Elective Course		999103	Interdisciplinary Integration	
1. General Education Courses 30 credits Required Courses 26 credits English Group 12 credits Courses is 4 credits. Students can select from General Education Courses which are offered in other faculties from the General Education Courses which are offered in other faculties from the General Education Courses which are offered in other faculties from the General Education Courses which are offered in other faculties from the General Education Courses Manual (2002), Burapha University. 212102 English III 3(3-0-6) Courses Manual (2002), Burapha University. 212103 English III 3(3-0-6) 2. Area of Concentration Courses 99 credits 212104 English IV 3(3-0-6) Basic Professional Courses 54 credits 2122104 English for Humanities and 226211 Microeconomics I 3(3-0-6) 212201 English for Humanities and 226212 Macroeconomics I 3(3-0-6) 212202 English for Humanities and 226212 Macroeconomics I 3(3-0-6) 212203 English for Humanities and 228211 Principles of Marketing 3(3-0-6) 212204 English Communicative Speaking 229212 Financial Accounting 3(2-2-5) 212207 English Communicative Speaking 229213 Accounting for Decision 229212 English Writing Skills 3(3-0-6) 230211 Business Law 3(3-0-6) 212208 English Writing Skills 3(3-0-6) 230211 Business Law 3(3-0-6) 212208 Thai Group 2 credits 230221 Principles of Management 3(3-0-6) 208101 Thai Language Skills 2(2-0-4) 230231 Taxation 3(3-0-6)		•	•			. , ,	
Required Courses English Group 12 credits Courses is 4 credits. Students can select from General Education Courses which are offered in other faculties from the General Education Courses which are offered in other faculties from the General Education Courses which are offered in other faculties from the General Education Courses Manual (2002), Burapha University. 121010 English III 3(3-0-6) 2. Area of Concentration Courses 99 credits 121010 English IV 3(3-0-6) 1212104 English IV 3(3-0-6) 1212201 English for Humanities and Social Sciences I Social Sciences I 3(2-2-5) 227211 Business Finance 3(3-0-6) 228211 Principles of Marketing 3(3-0-6) Social Sciences II 3(2-2-5) 229212 Financial Accounting 3(3-0-6) 212202 English Communicative Speaking 3(2-2-5) Accounting for Decision Making 3(3-0-6) 212208 English Writing Skills 3(3-0-6) 230221 Principles of Management 3(3-0-6) 230221 Principles of Management 3(3-0-6) 230231 Quantitative Analysis in	4.0	-		•	Elective	e Courses	
English Group 12 credits General Education Courses which are offered in							
Basic English 6 credits General Education Courses which are offered in 212101 English I 3(3-0-6) other faculties from the General Education 212102 English II 3(3-0-6) Courses Manual (2002), Burapha University. 212103 English III 3(3-0-6) 2. Area of Concentration Courses 99 credits 212104 English IV 3(3-0-6) Basic Professional Courses 54 credits 212204 English for Humanities and Social Sciences I 3(2-0-6) 226212 Macroeconomics I 3(3-0-6) 212202 English for Humanities and Social Sciences II 3(2-2-5) 227211 Business Finance 3(3-0-6) 212207 English Communicative Speaking 229212 Financial Accounting 3(2-2-5) 212208 English Writing Skills 3(3-0-6) 230211 Business Law 3(3-0-6) 212208 English Writing Skills 3(3-0-6) 230211 Business Law 3(3-0-6) 208101 Thai Group 2 credits 230221 Principles of Management 3(3-0-6) 208101 Thai Language Skills<	Require				oourcee.	•	
212101 English I 3(3-0-6) other faculties from the General Education 212102 English II 3(3-0-6) Courses Manual (2002), Burapha University. 212103 English III 3(3-0-6) 2. Area of Concentration Courses 99 credits 212104 English IV 3(3-0-6) Basic Professional Courses 54 credits 212105 English for Humanities and 226211 Microeconomics I 3(3-0-6) 212201 English for Humanities and 226212 Macroeconomics I 3(3-0-6) 212202 English for Humanities and 228211 Principles of Marketing 3(3-0-6) 212202 English Communicative Speaking 229212 Financial Accounting 3(2-2-5) 212207 English Communicative Speaking 229231 Accounting for Decision 212208 English Writing Skills 3(3-0-6) 212208 English Writing Skills 3(3-0-6) 212209 Thai Group 2 credits 230221 Principles of Management 3(3-0-6) 230321 Quantitative Analysis in							
212102 English II 3(3-0-6) Courses Manual (2002), Burapha University. 212103 English III 3(3-0-6) 2. Area of Concentration Courses 99 credits 212104 English IV 3(3-0-6) Basic Professional Courses 54 credits Professional English 6 credits 226211 Microeconomics I 3(3-0-6) 212201 English for Humanities and Social Sciences I 3(2-2-5) 227211 Business Finance 3(3-0-6) 212202 English for Humanities and Social Sciences II 3(2-2-5) 228211 Principles of Marketing 3(3-0-6) 212207 English Communicative Speaking 229212 Financial Accounting for Decision 212208 English Writing Skills 3(3-0-6) 230211 Business Law 3(3-0-6) 212208 English Writing Skills 3(3-0-6) 230221 Principles of Management 3(3-0-6) 208101 Thai Group 2 credits 230221 Principles of Management 3(3-0-6) 230321 Quantitative Analysis in 3(3-0-6)	Basic English			•			
212103 English III 3(3-0-6) 2. Area of Concentration Courses 99 credits 212104 English IV 3(3-0-6) Basic Professional Courses 54 credits Professional English 6 credits 226211 Microeconomics I 3(3-0-6) 212201 English for Humanities and 226212 Macroeconomics I 3(3-0-6) Social Sciences I 3(2-2-5) 227211 Business Finance 3(3-0-6) 212202 English for Humanities and 228211 Principles of Marketing 3(3-0-6) Social Sciences II 3(2-2-5) 229212 Financial Accounting 3(2-2-5) 212207 English Communicative Speaking 229231 Accounting for Decision 3(2-2-5) Making 3(3-0-6) 212208 English Writing Skills 3(3-0-6) 230211 Business Law 3(3-0-6) Thai Group 2 credits 230221 Principles of Management 3(3-0-6) 208101 Thai Language Skills 2(2-0-4) 230231 Taxation 3(3-0-6)	212101	En	iglish I	3(3-0-6)			
212104 English IV 3(3-0-6) Basic Professional Courses 54 credits	212102	En	glish II	3(3-0-6)		_	-
Professional English 6 eredits 226211 Microeconomics I 3(3-0-6) 212201 English for Humanities and Social Sciences I 3(2-2-5) 227211 Business Finance 3(3-0-6) 212202 English for Humanities and Social Sciences II 3(2-2-5) 228211 Principles of Marketing Principles of Marketing Principles of Marketing Principles of Marketing Social Sciences II 3(2-2-5) 229212 Financial Accounting For Decision Making 3(2-2-5) 229231 Accounting for Decision Making 3(3-0-6) 230211 Business Law 3(3-0-6) 230211 Business Law 3(3-0-6) 230221 Principles of Management 3(3-0-6) 230221 Principles of Management 3(3-0-6) 230231 Taxation 3(3-0-6) 230231 Quantitative Analysis in 230321 Quantitative Analysis in	212103	En	glish III	3(3-0-6)	2. Area	of Concentration Courses	99 credits
212201 English for Humanities and Social Sciences I 3(2-2-5) 227211 Business Finance 3(3-0-6) 212202 English for Humanities and Social Sciences II 3(2-2-5) 228211 Principles of Marketing 3(3-0-6) 212207 English Communicative Speaking Sending Financial Accounting Sending Sending Sending Financial Accounting For Decision Making Sending S	212104	En	glish IV	3(3-0-6)		Basic Professional Courses	54 credits
Social Sciences I 3(2-2-5) 227211 Business Finance 3(3-0-6)	Profession	nal)	English	6 credits	226211	Microeconomics I	3(3-0-6)
212202 English for Humanities and Social Sciences II 3(2-2-5) 228211 Principles of Marketing Principles of Marketing Principles of Marketing Sciences II 3(2-2-5) 212207 English Communicative Speaking Sciences II 229231 Accounting for Decision Making Sciences II 212208 English Writing Skills Sciences II 3(3-0-6) 230211 Business Law Busi	212201	En	glish for Humanities and	I	226212	Macroeconomics I	3(3-0-6)
Social Sciences II 3(2-2-5) 229212 Financial Accounting 3(2-2-5)		So	cial Sciences I	3(2-2-5)	227211	Business Finance	3(3-0-6)
212207 English Communicative Speaking 229231 Accounting for Decision 3(2-2-5) Making 3(3-0-6) 212208 English Writing Skills 3(3-0-6) 230211 Business Law 3(3-0-6) Thai Group 2 credits 230221 Principles of Management 3(3-0-6) 208101 Thai Language Skills 2(2-0-4) 230231 Taxation 3(3-0-6) 230321 Quantitative Analysis in	212202	En	glish for Humanities and	l	228211	Principles of Marketing	3(3-0-6)
3(2-2-5) Making 3(3-0-6)		So	cial Sciences II	3(2-2-5)	229212	Financial Accounting	3(2-2-5)
212208 English Writing Skills 3(3-0-6) 230211 Business Law 3(3-0-6) Thai Group 2 credits 230221 Principles of Management 3(3-0-6) 208101 Thai Language Skills 2(2-0-4) 230231 Taxation 3(3-0-6) 230321 Quantitative Analysis in	212207	En	glish Communicative Sp	eaking	229231	Accounting for Decision	
Thai Group 2 credits 230221 Principles of Management 3(3-0-6) 208101 Thai Language Skills 2(2-0-4) 230231 Taxation 3(3-0-6) 230321 Quantitative Analysis in				3(2-2-5)		Making	3(3-0-6)
208101 Thai Language Skills 2(2-0-4) 230231 Taxation 3(3-0-6) 230321 Quantitative Analysis in	212208	En	glish Writing Skills	3(3-0-6)	230211	Business Law	3(3-0-6)
230321 Quantitative Analysis in	•	Th	iai Group	2 credits	230221	Principles of Management	3(3-0-6)
	208101	Th	ai Language Skills	2(2-0-4)	230231	Taxation	3(3-0-6)
Management 3(3-0-6)					230321	Quantitative Analysis in	
						Management	3(3-0-6)

230322	Production and Operation			Major Elective Courses	9 credits
	Management	3(3-0-6)	212371	Business English	2(2-0-4)
230323	Management Information		214361	Communication in Organiza	ation
	System	3(3-0-6)			2(2-0-4)
230411	Business Research Methodo	ology	216322	Persuasive Communication	2(2-0-4)
		3(3-0-6)	216441	Presentation Techniques	3(3-0-6)
230421	Strategic Management	3(3-0-6)	216465	Conference Procedure	2(2-0-4)
244211	Human Resource Managem	ent	230324	Small and Medium Enterpri	se
		3(3-0-6)		Management	3(3-0-6)
302117	Calculus for Business	3(3-0-6)	230325	Entrepreneurship	3(3-0-6)
310381	Computer in Business	3(2-2-5)	244262	Principles of Industrial Rela	tions
312201	Elementary Statistics	3(3-0-6)			3(3-0-6)
	Major Elective Courses	36 credits	244332	Organization Development	3(3-0-6)
222231	Developmental Psychology	3(3-0-6)	244371	Public Relation in Organiza	tion
222251	Industrial and Organizationa	al			3(3-0-6)
	Psychology	3(3-0-6)	244372	Quality Control and Produc	tivity
244212	Organizational Behavior	3(3-0-6)			3(3-0-6)
244261	Labour Law	3(3-0-6)	244472	Leadership	3(3-0-6)
244321	Recruitment and Selection	3(3-0-6)	244474	Independent Study	3(0-0-9)
244331	Training and Development	3(3-0-6)	244475	Cooperation Education	9(0-0-27)
244333	Counseling and Career Plan	ning	3. Free l	Elective Courses	6 credits
		3(3-0-6)		Students may take at least	6 credits as
244351	[\] Performance Appraisal	3(3-0-6)	free elec	tive credits to complete the	graduation
244361	Labour Relation	3(3-0-6)	requirem	nent from courses provided	at Burapha
244441	Compensation Management	3(3-0-6)	Universi	ty or other universities both	in Thailand
244471	Human Resource Information	on	and abro	ad.	
	System	3(3-0-6)			
244473	Seminar in Human Resource	e			
	Management	3(3-0-6)			

Bachelor of Business Admi	inistration	21210
Program in Market	ing	212104
Courses Structure	3	Profess
Students are required to t	ake a	212201
minimum of 134 credits from the f		
sections:		212202
1. General Education Co	ourses	
	30 credits	212207
Required Courses	26 credits	01000
- English Group	12 credits	212208
- Thai Group	2 credits	200101
- Information Techno	logy	208101
Group	3 credits	
To a - di -		310101
- Interdisciplinary In	_	
Group	9 credits	
Elective Courses	4 credits	999101
2. Area of Concentration		
	98 credits	999102
- Basic Professional C	•	
Maior Borning Co.	53 credits	99910
- Major Required Cou		
- Major Elective Cour	30 credits	Electiv
- Major Elective Courses 3. Free Elective Courses		
1. General Education Courses	30 credits	courses
	26 credits	Genera
Required Courses	12 credits	other :
English Group	12 tieuns	Course

212103	English III	3(3-0-6)
212104	English IV	3(3-0-6)
Professio	nal English	6 credits
212201	English for Humanities and	
	Social Sciences I	3(2-2-5)
212202	English for Humanities and	
	Social Sciences II	3(2-2-5)
212207	English Communicative Sp	eaking
		3(2-2-5)
212208	English Writing Skills	3(3-0-6)
	Thai Group	2 credits
208101	Thai Language Skills	2(2-0-4)
	Information Technology	
	Group	3 credits
310101	Computer and the Internet	3(2-2-5)
	Interdisciplinary Integration	n
	Group	9 credits
999101	Interdisciplinary Integratio	n I
		3(3-0-6)
999102	Interdisciplinary Integratio	n II
		3(3-0-6)
999103	Interdisciplinary Integration	III
		3(3-0-6)
Elective	Courses	4 credits
	A minimum requirement	for elective

A minimum requirement for elective es is 4 credits. Students can select from al Education Courses which are offered in faculties from the General Education Courses Manual (2002), Burapha University.

credits .

3(3-0-6)

3(3-0-6)

Basic English

212101 English I

212102 English II

2. Area of Concentration Courses		102 credits	228351	51 Advertising and Sales Promotion		
	Basic Professional Courses	54 credits			3(3-0-6)	
212371	Business English	2(2-0-4)	228352	Sales Management	3(3-0-6)	
226211	Microeconomics I	3(3-0-6)	228361	International Marketing	3(3-0-6)	
226212	Macroeconomics I	3(3-0-6)	228441	Marketing Channels and Ph	ysical	
227221	Business Finance	3(3-0-6)		Distribution Management	3(3-0-6)	
229212	Financial Accounting	3(2-2-5)	228471	Marketing Research	3(3-0-6)	
229231	Accounting for Decision		228481	Seminar in Marketing	3(3-0-6)	
	Making	3(3-0-6)		Major Elective Courses	15 credits	
230211	Business Law	3(3-0-6)	228341	Wholesaling Management	3(3-0-6)	
230221	Principles of Management	3(3-0-6)	228342	Retailing Management	.3(3-0-6)	
230231	Taxation	3(3-0-6)	228343	Purchasing Management	3(3-0-6)	
230212	Business Economics	3(3-0-6)	228431	Industrial Marketing	3(3-0-6)	
230321	Quantitative Analysis in		228432	Agricultural Marketing	3(3-0-6)	
	Management	3(3-0-6)	228433	Packaging Management	3(3-0-6)	
230322	Production and Operation		228442	Electronic Marketing	3(3-0-6)	
	Management	3(3-0-6)	228461	Import and Export Manage	ment	
230323	Management Information				3(3-0-6)	
	System	3(3-0-6)	230324	Small and Medium Enterpr	rise	
230421	Strategic Management	3(3-0-6)		Management	3(3-0-6)	
244211	Human Resource Managen	nent	230422	Project Management	3(3-0-6)	
		3(3-0-6)	3. Free	Elective Courses	6 credits	
302117	Calculus for Business	3(3-0-6)		Students may take at least	6 credits as	
310381	Computer in Business	3(2-2-5)	free elec	ctive credits to complete the	graduation	
312201	Elementary Statistics	3(3-0-6)	requiren	nent from courses provided	at Burapha	
	Major Required Courses	30 credits	Univers	ity or other universities both	in Thailand	
228212	Marketing Management	3(3-0-6)	and abro	oad.		
228221	Consumer Behavior	3(3-0-6)				
228231	Service Marketing	3(3-0-6)				
228331	Product and Price Policies	3(3-0-6)				

Ba	che	elor of Communication	on Arts	Profession	onal English	6 credits
		Program		212207	English Communicative_Sp	eaking
Course	s St	ructure				3(2-2-5)
		tudents are required	to take a	212208	English Writing Skills	3(3-0-6)
minimu		of 139 credits from th			Thai Group	2 credits
sections		or 139 credits from the	ie tollowing	208101	Thai Language Skills	2(2-0-4)
sections	-	Constant Education C			Information Technology	
	1.	General Education Cor			Group	3 credits
			30 credits	310101	Computer and the Internet	3(2-2-5)
		Required Courses	26 credits		Interdisciplinary Integration	n
		- English Group	12 credits		Group	9 credits
		- Thai Group	2 credits	999101	Interdisciplinary Integratio	n I
		- Information Technolo	ogy			3(3-0-6)
		Group	3 credits	999102	Interdisciplinary Integratio	n II
		- Interdisciplinary Inte	gration		. , ,	3(3-0-6)
		Group	9 credits	999103	Interdisciplinary Integration	
		Elective Courses	4 credits		,	3(3-0-6)
	2.	Area of Concentration	Courses	Elective	e Courses	4 credits
			100 credits	Diotti	A minimum requirement f	
		- Core Courses	45 credits	COULCES	is 4 credits. Students can s	
		- Professional Courses	37 credits		Education Courses which are	
		- Minor Courses	18 credits		aculties from the General	
	3.	Free Elective Courses	9 credits		Manual (2002), Burapha Uni	
1. Gener	ral]	Education Courses	30 credits		of Concentration Courses	-
Require	d C	Courses	26 credits	2. Alta	Core Courses	45 credits
	En	glish Group	12 credits	214111	Introduction to Communicat	
Basic Eng	glish	i.	6 credits	214111		
212101	En	glish I	3(3-0-6)	21.4121	Arts	3(3-0-6)
212102	En	glish II	3(3-0-6)	214121	Language for Communication	
212103	En	glish III	3(3-0-6)		• · • • =-	3(3-0-6)
212104		glish IV	3(3-0-6)	214212	Introduction to Photography	
		_	,	214213	Introduction to Film	3(3-0-6)

214222	Language for Communication II		215462	Public Relations Planning	
		3(3-0-6)		and Evaluation	3(3-0-6)
214241	Communication and Inform	nation	215463	Public Relations Campaign	ıs 3(3-0-6)
•	Technology	3(3-0-6)		Major Elective Courses	17 credits
214351	Research Methodology in		214353	Statistics for Communicati	on
	Communication Arts	3(3-0-6)		Research	2(2-0-4)
214381	Laws and Ethics of Mass M	fedia –	214364	Communication in Organiz	zation
		3(3-0-6)			2(2-0-4)
214451	Internship	3(0-18-9)	214391	Creative Thinking	3(3-0-6)
215111	Introduction to Public Rela	tions	215341	Photography for Public	
		3(3-0-6)		Relations	2(1-2-3)
215261	Communication and Public	;	215365	Press Relations	2(2-0-4)
	Opinion	3(3-0-6)	215423	Advanced Writing for Pub	lic
216211	Introduction to Speech			Relations	2(2-0-4)
	Communication	3(3-0-6)	215424	Critical Thinking	2(2-0-4)
217111	Introduction to Advertising	3(3-0-6)	215442	New Media for Public Rela	ations
218111	Introduction to Broadcastin	g 3(3-0-6)			2(1-2-3)
219111	Introduction to Journalism	3(3-0-6)	215466	Public Relations Administr	ration
	Professional courses	37 credits			3(3-0-6)
1. Public	Relation		215467	Traditional Media for Publ	ic
	Major Required Courses	20 credits		Relations	2(2-0-4)
215221	Writing for Public Relation	s 3(3-0-6)	215468	Integrated Marketing	
				Communications	3(3-0-6)
215322	Comparative Public Relation	ons	215469	Issue Management and	
		2(2-0-4)		Public Affairs	2(2-0-4)
215351	Public Relations Research	1(1-4-4)	215471	Communication During Cr	isis
215361	Media and Activities for				2(2-0-4)
	Public Relations -	3(3-0-6)	215472	Community Relations	2(2-0-4)
251452	Seminar on Public Relation	ıs	215473	Investor Relations	2(2-0-4)
	Issues	3(3-0-6)	215474	Political Communication	2(2-0-4)
			215491	Independent Study	2(0-0-6)

				44	
216322	Persuasive Communication	2(2-0-4)	216362	Intercultural Communicatio	n .
216391	Personality and Manners	2(2-0-4)			2(2-0-4)
216441	Techniques and Technology	<i>!</i>	216363	Human Resource Developm	ient
	for Presentation	3(3-0-6)			2(2-0-4)
219221	Fundamentals of News		216391	Personality and Manners	2(2-0-4)
	Reporting	2(2-0-4)	216392	Speech for Business	2(2-0-4)
219364	Printed Media Production	3(2-2-5)	216431	Effective Speech	3(3-0-6)
2. Speech	1 Communication		216432	Announcers and Master of	
	Major Required Courses	19 credits		Ceremonies	2(1-2-3)
216221	Rhetorical Theory and Criti	cism	216441	Techniques and Technology	7
		3(3-0-6)		for Presentation	3(3-0-6)
216322	Persuasive Communication	2(2-0-4)	216451	Speech Communication	
216323	Interpersonal Communication	on		Research	3(1-4-4)
		3(3-0-6)	216452	Seminar on Speech	
216324	Psychology of Speech and			Communication Problem	3(3-0-6)
	Audience Analysis	3(3-0-6)	216464	Interviewing Techniques	2(2-0-4)
216325	Speech Composition	3(3-0-6)	216465	Conference Procedure	2(2-0-4)
216426	Argumentation and Debate	2(2-0-4)	216493	Speech for Specific Careers	3(3-0-6)
216461	Public Speaking	3(3-0-6)	216494	Independent Study	3(0-0-9)
	Major Elective Courses	18 credits	219364	Printed Media Production	3(2-2-5)
214353	Statistics for Communication	n	3. Adver	tising	
	Research	2(2-0-4)		Major Required Courses	20 credits
214364	Communication in Organiza	ation	217321	Creative Copy Writing	2(2-0-4)
		2(2-0-4)	217351	Advertising Research	3(1-4-4)
214391	Creative Thinking	3(3-0-6)	217361	Consumer Behavior	2(2-0-4)
215471	Political Communication	2(2-0-4)	217362	Advertising Creative Strate	gу
216327	Phonetics for Speech				3(3-0-6)
	Communication	2(2-0-4)	217463	Advertising Media Planning	₃ 3(3-0-6)
216328	Oral Interpretation	2(2-0-4)	217464	Advertising Management	3(3-0-6)
216329	Principle of Language Beha	avior	217465	Advertising Campaign Plan	ning
		2(2-0-4)			3(3-0-6)

220211	Principle of Marketing	3(3-0-6)	218462	Television News Presentation	n.
228211	•	17 credits	210402	101011310111101131110001111111	1(0-3-0)
	Major Elective Courses				
214391	Creative Thinking	3(3-0-6)		Major Elective Courses	16 credits
216322	Persuasive Communication	2(2-0-4)	214353	Statistics for Communicatio	
216391	Personality and Manners	2(2-0-4)		Research	2(2-0-4)
216441	Techniques and Technology	1	214391	Creative Thinking	3(3-0-6)
	for Presentation	3(3-0-6)	215471	Political Communication	2(2-0-4)
217322	Advanced Creative Copy W	riting	216322	Persuasive Communication	2(2-0-4)
		2(2-0-4)	216441	Techniques and Technology	,
217366	Management of Advertising	5		for Presentation	3(3-0-6)
	Production	3(3-0-6)	216432	Announcers and Master of	
217381	Advertising and Society	2(2-0-4)		Ceremonies	2(1-2-3)
217423	Case Analysis of Advertising	ng	216461	Interviewing Techniques	2(2-0-4)
	Problem	3(3-0-6)	218222	Translation in Mass Commi	inication
217451	Seminar on Advertising Issu	ues			3(3-0-6)
		3(3-0-6)	218352	Seminar in Mass Communic	cation
217467	International Advertising	2(2-0-4)			3(3-0-6)
219364	Printed Media Production	3(2-2-5)	218363	Mass Media for Social	
4. Mass	Communication			Development	3(3-0-6)
	Major Required Courses	21 credits	218364	Public Communication	3(3-0-6)
218211	Theories of Mass Communi	ication	218365	Political Use of Mass Media	a 2(2-0-4)
		2(2-0-4)	218391	Mass Communication and	
218321	Writing for Mass Communi	ication		Culture	2(2-0-4)
		3(3-0-6)	218423	Information Gathering and	
218341	Radio Production I	3(2-2-5)		Interpretation	3(3-0-6)
218342	Radio Production II	3(1-4-5)	218443	Documentary Program Prod	duction
218351	Research in Mass Commun	ication			2(1-2-3)
		3(1-4-4)	218465	Broadcasting Management	3(3-0-6)
218361	Radio News Presentation	1(0-3-0)	218466	Drama Communication for	
218443	Television Production I	3(1-4-4)		Broadcasting	2(1-2-3)
218444	Television Production II	3(0-9-0)	218467	Music for Communication	2(2-0-4)

218468	Mass Media Planning and		219364 Printed Media Production	3(2-2-5)	
	Evaluation	3(3-0-6)	219453 Seminar in Journalism	3(2-2-5)	
5. Journ	alism		219465 Book Publishing	3(3-0-6)	
	Major Required Courses	19 credits	219466 Printing Management	3(3-0-6)	
219221	Fundamentals of News Rep	oorting	219467 Magazine Production	3(2-2-5)	
		3(3-0-6)	219481 Information Technology La	ıw	
219322	Advanced News Reporting	3(3-0-6)		3(3-0-6)	
219323	Creative Writing in Journal	ism	Minor Courses	18 credits	
		3(3-0-6)	Students can select other	minor from	
219341	Printed Media Design	2(1-2-3)	other faculties in Burapha Uni	versity on	
219342	Information Systems for		approval from the Head of Departmen	nt.	
	Journalism	3(2-2-5)	3. Free Elective Courses	9 credits	
219361	Newspaper and Magazine		Students may take at least	9 credits as	
	Editing	3(3-0-6)	free elective credits to complete the	graduation	
219451	Journalism Practice	3(1-4-4)	requirement from courses provided	at Burapha	
	Major Elective Courses	18 credits	University or other universities both in Thailand		
214391	Creative Thinking	3(3-0-6)	and abroad.		
216322	Persuasive Communication	3(3-0-6)			
219324	Interpretation of Current		Bachelor of Economics Pro	gram	
	Affairs	2(2.0.6)			
210225		3(3-0-6)	Courses Structure		
219325	Editorial and Article Writin		Courses Structure Students are required to take	e a	
219323	Editorial and Article Writin				
	Editorial and Article Writin	g	Students are required to take		
219326		g 3(3-0-6) 3(3-0-6)	Students are required to take minimum of 130 credits from the following	owing	
219326	Feature Writing	g 3(3-0-6) 3(3-0-6)	Students are required to take minimum of 130 credits from the follosections:	owing	
219326 219327	Feature Writing News Translation and Engli	g 3(3-0-6) 3(3-0-6) sh	Students are required to take minimum of 130 credits from the follosections:	owing	
219326 219327 219343	Feature Writing News Translation and Engli News Writing	g 3(3-0-6) 3(3-0-6) sh 3(3-0-6)	Students are required to take minimum of 130 credits from the follosections: 1. General Education Cour	owing ses 30 credits	
219326 219327 219343 219344	Feature Writing News Translation and Engli News Writing Photojournalism	g 3(3-0-6) 3(3-0-6) 3sh 3(3-0-6) 3(1-4-4)	Students are required to take minimum of 130 credits from the follosections: 1. General Education Cour Required Courses	owing ses 30 credits 26 credits	
219326 219327 219343 219344 219345	Feature Writing News Translation and Engli News Writing Photojournalism Electronic Newspaper	g 3(3-0-6) 3(3-0-6) (sh 3(3-0-6) 3(1-4-4) 3(2-2-5)	Students are required to take minimum of 130 credits from the follosections: 1. General Education Cour Required Courses - English Group	ses 30 credits 26 credits 12 credits 2 credits	
219326 219327 219343 219344 219345 219352	Feature Writing News Translation and Engli News Writing Photojournalism Electronic Newspaper Printing Technology	g 3(3-0-6) 3(3-0-6) (sh 3(3-0-6) 3(1-4-4) 3(2-2-5) 3(3-0-6)	Students are required to take minimum of 130 credits from the follosections: 1. General Education Cour Required Courses - English Group - Thai Group	ses 30 credits 26 credits 12 credits 2 credits	

- Interdisciplinary Integration		999103 Interdisciplinary Integration III			
	Group	9 credits			3(3-0-6)
	Elective Courses	4 credits	Elective	Courses	4 credits
	2. Area of Concentration C	Courses		A minimum requirement f	or elective
		90 credits	courses	is 4 credits. Students can s	select from
	- Major Courses	72 credits	General	Education Courses which are	e offered in
	- Minor Courses	15 credits	other fa	culties from the General	Education
	3. Free Elective Courses	10 credits	Courses	Manual (2002), Burapha Uni	versity.
1. Gener	al Education Courses	30 credits	2. Area	of Concentration Courses	90 credits
Require	d Courses	26 credits		Major Courses	72 credits
_	English Group	12 credits	Major Re	quired Courses	42 credits
Basic Eng	dish	6 credits	226211	Microeconomics I	3(3-0-6)
212101	English I	3(3-0-6)	226212	Macroeconomics I	3(3-0-6)
212102	English II	3(3-0-6)	226271	Mathematics for Economist	s3(3-0-6)
212103	English III	3(3-0-6)	226272	Statistics for Economics	3(3-0-6)
212104	English IV	3(3-0-6)	226313	Microeconomic II	3(3-0-6)
Profession	nal English	6 credits	226314	Macroeconomics II	3(3-0-6)
212207	English Communicative Sp	eaking	226321	Agricultural Economics	3(3-0-6)
		3(2-2-5)	226331	Economics of Money	
212208	English Writing Skills	3(3-3-6)		and Banking	3(3-0-6)
	Thai Group	2 credits	226341	Industrial Economics	3(3-0-6)
208101	Thai Language Skills	2(2-0-4)	226351	Economic Development	3(3-0-6)
	Information Technology		226352	The Economy of Thailand	3(3-0-6)
	_Group	3 credits	226361	Public Development	3(3-0-6)
310101	Computer and the Internet		226381	International Economics	3(3-0-6)
	Interdisciplinary Integration		226415	Seminar in Economics	3(3-0-6)
	Group	9 credits	226473	Economics Research	
999101	Interdisciplinary Integratio			Methodology	3(3-0-6)
		3(3-0-6)	302115	Calculus for Economics I	3(3-0-6)
999102	Interdisciplinary Integratio		302116	Calculus for Economics II	3(3-0-6)
		3(3-0-6)	312201	Elementary Statistics	3(3-0-6)

321211	Statistical Method	3(3-0-6)	University or other universitie	s both in Thailand		
Major Elective Courses		15 credits	and abroad.			
226332	Monetary Theory and Police	у				
		3(3-0-6)	Bachelor of Science	Program in		
226333	Financial Market	3(3-0-6)		_		
226342	Industrial Operation	3(3-0-6)	Geo-Information T	echnology		
226343	Economics of Industrial Ma	arketing	Courses Structure			
		3(3-0-6)	Students are required			
226344	Economics of Technology	3(3-0-6)	minimum of 136 credits from	the following		
226353	Economics Development		sections:			
	Theory	3(3-0-6)	1. General Education	on Courses		
226354	Project Analysis	3(3-0-6)		30 credits		
226434	International Monetary Eco	nomics	Required Course	es 26 credits		
		3(3-0-6)	- English Group	12 credits		
226435	Monetary Institution		- Thai Group	2 credits		
	and Management	3(3-0-6)	- Information Te	chnology		
226436	Quantitative Analysis for		Group	3 credits		
	Monetary Economics	3(3-0-6)	- Interdisciplina	ry Integration		
226445	Economics for Transportati		Group	9 credits		
		3(3-0-6)	Elective Courses	4 credits		
226446	Economics for Environmen		2. Area of Concent	ration Courses		
	Economic Development in			100 credits		
	•	3(3-0-6)	- Basic Profession	on Courses		
	Minor Courses	18 credits		6 credits		
	Students can select other	minor from	- Major Courses	76 credits		
other f	aculties in Burapha Un	iversity on	- Minor Courses	18 credits		
approval from the Head of Department.			3. Free Elective Cou	rses 6 credits		

9 credits

Students may take at least 9 credits as.

free elective credits to complete the graduation requirement from courses provided at Burapha

3. Free Elective Courses

1. General Education Courses		30 credits	2. Area of Concentration Courses		100 credits
Require	d Courses	26 credits	Basic Pr	ofessional Courses	6 credits
	English Group	12 credits	310322	C Programming	3(2-2-5)
Basic Eng	llsh	6 credits	3.10371	Internet Technologies	3(3-0-6)
212101	English I	3(3-0-6)	Major (Courses	76 credits
212102	English II	3(3-0-6)		Major Required Courses	43 credits
212103	English III	3(3-0-6)	223102	Introduction to Geography	2(2-0-4)
212104	English IV	3(3-0-6)	223211	Map Reading and Aerial Ph	ioto
Profession	nal English	6 credits		Interpretation	3(2-2-5)
212205	English for Science and		223212	Introduction to Remote Ser	sing
	Technology I	3(2-2-5)		and Geographic Informatio	n System
212207	English Communicative Sp	eaking			3(2-2-5)
		3(2-2-5)	223214	Photogrammetry	3(2-2-5)
	Thai Group	2 credits	223215	Remote Sensing	3(2-2-5)
208101	Thai Language Skills	2(2-0-4)	223216	Geographic Information Sy	stem
	Information Technology				3(2-2-5)
	Group	3 credits	223251	Physical Geography I	3(2-2-5)
310101	Computer and the Internet	3(2-2-5)	223252	Physical Geography II	3(2-2-5)
	Interdisciplinary Integratio	n	223306	Research Methodology	
	Group	9 credits		in Geography	3(2-2-5)
999101	Interdisciplinary Integration		223422	Computer Mapping	3(2-2-5)
		3(3-0-6)	223424	Land Use Mapping Techni	quės
999102	Interdisciplinary Integration				3(2-2-5)
		3(3-0-6)	223427	Geography Database	
999103	Interdisciplinary Integratio			Management System	3(2-2-5)
		3(3-0-6)	223428	Seminar in Geo-Information	s ·
Elective	Courses	4 credits		System	3(2-2-5)
	A minimum requirement		223490	Practicum	2(0-6-12)
	is 4 credits. Students can		223492	Problems in Geography	
	Education Courses which a		٠	of Thailand	3(3-0-6)
other faculties from the General Education					ŝ

Courses Manual (2002), Burapha University.

	Major Elective Courses	33 credits	Minor Courses	18 credits
223213	Statistical Techniques in		Students can select other	r minor from
	Geography	3(3-0-6)	other faculties in Burapha U	Jniversity on
223231	Human Geography	3(3-0-6)	approval from the Head of Departs	ment.
223232	Human Ecology	3(3-0-6)	Free Elective Courses	6 credits
223254	Geomorphology	3(2-2-5)	Students may take at lea	st 6 credits as
223317	Topographic Survey	3(2-2-5)	free elective credits to complete	the graduation
223318	Plane Survey	3(2-2-5)	requirement from courses provide	ed at Burapha
223319	Cartography	3(2-2-5)	University or other universities bo	th in Thailand
223320	Global Positioning System	3(2-2-5)	and abroad.	
223321	Three Dimensions Mapping	3(2-2-5)		
223337	Urban Geography	3(3-0-6)	Bachelor of Science Pro	gram in
223338	Rural Geography	3(3-0-6)	Psychology	
223340	Industrial Geography	3(3-0-6)	Courses Structure	
223357	Coastal Geography	3(3-0-6)	Students are required to t	ake a
223376	Environmental Law and Po	licy	minimum of 138 credits from the f	
		2(2-0-4)	sections:	
223377	Environmental Impact Asse	ssment	1. General Education C	ourses
		3(2-2-5)		30 credits
223391	Regional Geography	3(3-0-6)	Required Courses	26 credits
223393	Geography of Eastern Thail	and	- English Group	12 credits
		3(3-0-6)	- Thai Group	2 credits
223394	Local Geography	3(3-0-6)	- Information Techno	logy
223395	Geography of Asia	3(3-0-6)	Group	3 credits
	World Geography	3(3-0-6)	- Interdisciplinary In	tegration
	Urban Geo-Informatics	3(2-2-5)	Group	9 credits
223426	Geo-Informatics System for		Elective Courses	4 credits
	Natural Resource Managem		2. Area of Concentration	n Courses
		3(2-2-5)		102 credits
	Political Geography	3(3-0-6)	- Major Courses	84 credits
223444	Geography of Tourism	3(3-0-6)	- Minor Courses	18 credits

3. Free Elective Courses	6 credits	other 'f	aculties from the Genera	l Education		
1. General Education Courses	30 credits	Courses	Courses Manual (2002), Burapha University.			
Required Courses	26 credits	2. Area	2. Area of Concentration Courses 102 cred			
English Group	12 credits		Major Courses	84 credits		
Basic English	6 credits	Core Co	urses	39 credits		
212101 English I	3(3-0-6)	222111	General Psychology	3(3-0-6)		
212102 English II	3(3-0-6)	222211	Physiological Psychology	3(3-0-6)		
212103 English III	3(3-0-6)	222212	Perception and Learning			
212104 English IV	3(3-0-6)		Psychology	3(3-0-6)		
Professional English	6 credits	222213	Motivation and Personality	<i>!</i>		
212201 English for Humanities an	d		Psychology	3(3-0-6)		
Social Sciences I	3(2-2-5)	222221	Measurement and Psychological	ogical		
212202 English for Humanities as	ıd		Testing	3(3-0-6)		
Social Sciences II	3(2-2-5)	222232	Child and Adolescent Psyc	hology		
Thai Group	2 credits			3(3-0-6)		
208101 Thai Language Skills	2(2-0-4)	222233	Adult and Aging Psycholog	gy		
Information Technology				3(3-0-6)		
Group	3 credits	222261	Introduction to Social	. **		
310101 Computer and the Internet	3(2-2-5)		Psychology	3(3-0-6)		
Interdisciplinary Integrati	on	222281	Health and Environmental			
Group	9 credits		Psychology	3(3-0-6)		
999101 Interdisciplinary Integrati	on I	222321	Research Method and Stati	stics		
	3(3-0-6)		in Psychology I	3(2-2-5)		
999102 Interdisciplinary Integrati		222322	Research Method and Stati	stics		
	3(3-0-6)		in Psychology II	3(2-2-5)		
999103 Interdisciplinary Integration		222421	Statistical Package for			
	3(3-0-6)		Psychological Research	3(1-4-4)		
Elective Courses	4 credits	222481	Moral Psychology	3(3-0-6)		
A minimum requirement for elective						
courses is 4 credits. Students can select from						

General Education Courses which are offered in

Major Professional Courses		45 credits	222356	Psychology of Problem Sol	ving
	1. Industrial and Organiz	zational		and Decision Making	3(3-0-6)
	Psychology Group		222357	Psychology of Conflict	
Major Re	quired Courses	30 credits		Management	3(3-0-6)
222251	Introduction to Industrial an	d	222358	Psychology of Career Plann	ing
	Organizational Psychology	3(3-0-6)		and Information Service	3(3-0-6)
222252	Personnel Psychology	3(3-0-6)	222455	Industrial Psychology and	
222253	Psychology at Work	3(3-0-6)		Modernization	3(3-0-6)
222351	Consumer and Advertising		222456	Psychology of Organization	ıal
	Psychology	3(3-0-6)		Development	3(3-0-6)
222352	Psychology of Human		222457	Individual Research in Indu	strial
	Resource Development	3(3-0-6)		and Organizational Psychol	ogy
222353	Psychology of Industrial Re	elations			3(3-0-6)
		3(3-0-6)	711406	Ergonomics	3(3-0-6)
222442	Psychology of Career Coun	seling		2. Social and Community	
		0(0 0 0)			
		3(3-0-6)		Psychology Group	
222451	Psychological Testing in	3(3-0-6)	Major Re	Psychology Group equired Courses	30 credits
222451	Psychological Testing in Organization	3(3-0-6)	_	·	
	-	•	222262	equired Courses	
	Organization	3(3-0-6)	222262 222263	equired Courses Advanced Social Psycholog	gy 3(3-0-6)
222452	Organization Seminar in Industrial and	3(3-0-6)	222262 222263	equired Courses Advanced Social Psychology Community Psychology	gy 3(3-0-6)
222452	Organization Seminar in Industrial and Organizational Psychology	3(3-0-6) 3(3-0-6)	222262 222263	Advanced Social Psychology Community Psychology Psychology of Family and Society	3(3-0-6) 3(3-0-6)
222452 222453	Organization Seminar in Industrial and Organizational Psychology Practicum in Industrial and	3(3-0-6) 3(3-0-6)	222262 222263 222264	Advanced Social Psychology Community Psychology Psychology of Family and Society	3(3-0-6) 3(3-0-6)
222452 222453 Major El	Organization Seminar in Industrial and Organizational Psychology Practicum in Industrial and Organizational Psychology	3(3-0-6) 3(3-0-6) 3(0-9-6)	222262 222263 222264 222361	Advanced Social Psychology Community Psychology Psychology of Family and Society Psychology of Communica	3(3-0-6) 3(3-0-6) tion 3(3-0-6)
222452 222453 Major El	Organization Seminar in Industrial and Organizational Psychology Practicum in Industrial and Organizational Psychology ective Courses	3(3-0-6) 3(3-0-6) 3(0-9-6)	222262 222263 222264 222361	Advanced Social Psychology Community Psychology Psychology of Family and Society Psychology of Communica and Persuasion	3(3-0-6) 3(3-0-6) tion 3(3-0-6)
222452 222453 Major El 222254	Organization Seminar in Industrial and Organizational Psychology Practicum in Industrial and Organizational Psychology ective Courses Organization Behavior	3(3-0-6) 3(3-0-6) 3(0-9-6) 15 credits	222262 222263 222264 222361 222362	Advanced Social Psychology Community Psychology Psychology of Family and Society Psychology of Communication and Persuasion Psychology of Interpersona	3(3-0-6) 3(3-0-6) tion 3(3-0-6)
222452 222453 Major El 222254	Organization Seminar in Industrial and Organizational Psychology Practicum in Industrial and Organizational Psychology ective Courses Organization Behavior Modification	3(3-0-6) 3(3-0-6) 3(0-9-6) 15 credits	222262 222263 222264 222361 222362	Advanced Social Psychology Community Psychology Psychology of Family and Society Psychology of Communica and Persuasion Psychology of Interpersona Relations	3(3-0-6) 3(3-0-6) tion 3(3-0-6)
222452 222453 Major El 222254 222341	Organization Seminar in Industrial and Organizational Psychology Practicum in Industrial and Organizational Psychology ective Courses Organization Behavior Modification Introduction to Counseling	3(3-0-6) 3(3-0-6) 3(0-9-6) 15 credits 3(3-0-6)	222262 222263 222264 222361 222362 222363	Advanced Social Psychology Community Psychology Psychology of Family and Society Psychology of Communica and Persuasion Psychology of Interpersona Relations Leadership and Group	3(3-0-6) 3(3-0-6) tion 3(3-0-6) 1 3(3-0-6)
222452 222453 Major El 222254 222341	Organization Seminar in Industrial and Organizational Psychology Practicum in Industrial and Organizational Psychology ective Courses Organization Behavior Modification Introduction to Counseling Psychology	3(3-0-6) 3(3-0-6) 3(0-9-6) 15 credits 3(3-0-6)	222262 222263 222264 222361 222362 222363 222461	Advanced Social Psychology Community Psychology Psychology of Family and Society Psychology of Communica and Persuasion Psychology of Interpersona Relations Leadership and Group Effectiveness	3(3-0-6) 3(3-0-6) tion 3(3-0-6) 1 3(3-0-6) 3(3-0-6)
222452 222453 Major El 222254 222341 222354	Organization Seminar in Industrial and Organizational Psychology Practicum in Industrial and Organizational Psychology ective Courses Organization Behavior Modification Introduction to Counseling Psychology Psychology of Design and	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)	222262 222263 222264 222361 222362 222363 222461	Advanced Social Psychology Community Psychology Psychology of Family and Society Psychology of Communicat and Persuasion Psychology of Interpersonat Relations Leadership and Group Effectiveness Attitude and Opinion	3(3-0-6) 3(3-0-6) tion 3(3-0-6) 1 3(3-0-6) 3(3-0-6)

222463	Seminar in Social and		3. Free Elective Co
	Community Psychology	3(3-0-6)	Students
222464	Practicum in Social and Co	ommunity	free elective credit
	Psychology	3(0-9-6)	requirement from
Major E	lective Courses	15 credits	University or other
222231	Developmental Psychology	y 3(3-0-6)	and abroad.
222271	Mental Hygiene	3(3-0-6)	
222341	Introduction to Counseling	;	Bachelor of A
	Psychology	3(3-0-6)	Accounting (
222342	Interview Skills	3(3-0-6)	Courses Structure
222364	Sex Role and Social Behav	/ior	Students
		3(3-0-6)	minimum of 76 cre
222365	Psychology of Cultural		sections:
	Disadvantaged Children	3(3-0-6)	1. Gene
222366	Psychology of Juvenial De	linquency	1. 00110
		3(3-0-6)	- Eng
222371	Abnormal Psychology	3(3-0-6)	- Info
222372	Psychology of Exceptiona	l	-Gro
	Children	3(3-0-6)	- Ele
222465	Psychology of Social Wor	k 3(3-0-6)	2. Area
222466	Psychology of Bargaining	and	Z. Alta
	Interest Groups	3(3-0-6)	- Bas
222467	Individual Research in Soc	cial	- Das
	and Community Psycholog	gy 3(3-0-6)	- Ma
	Minor Courses	18 credits	1114
	Students can select of	other minor	- Ma
courses	from other faculties	in Burapha	1714
Univers	sity on approval from th	ne Head of	3. Free
Departi	ment.		2. 1100

6 credits ourses

may take at least 6 credits as ts to complete the graduation courses provided at Burapha er universities both in Thailand

ecountancy Program in (Continuing program)

are required to take a edits from the following

eral Education Courses

13 credits

6 credits glish Group

formation Technology

3 credits oup

ective Courses 4 credits

a of Concentration Courses

57 credits

sic Professional course

30 credits

ajor Required Courses

21 credits

ajor Elective Courses

6 credits

6 credits Elective Courses

1. Gene	ral Education Courses	13 credits	229331	Cost Accounting	3(3-0-6)
	English Group	6 credits	229332	Managerial Accounting	3(3-0-6)
212207	English Communicative Sp	eaking	229341	Tax Accounting	3(3-0-6)
		3(2-2-5)	229351	Auditing	3(3-0-6)
212208	English Writing Skills	3(3-0-6)		Major Elective Courses	21 credits
	Information Technology		227421	Principles of Investment	3(3-0-6)
	Group	3 credits	229222	Governmental Accounting	3(3-0-6)
310101	Computer and the Internet	3(2-2-5)	229271	Accounting for Financial Ir	stitution
	Elective Courses	4 credits			3(3-0-6)
	A minimum requirement	for elective	229361	Software package for Acco	unting
courses	is 4 credits. Students can	select from			3(3-0-6)
General	Education Courses which ar	e offered in	229421	Accounting Theory	3(3-0-6)
other faculties from the General Education			229422	Corporate Financial Reporting	
Courses Manual (2002), Burapha University.				and Analysis	3(3-0-6)
2. Area	of Concentration Courses	57 credits	229423	Accounting Policy	3(3-0-6)
Basic Professional Courses		30 credits	229424	Seminar in Financial Accou	ınting
227211	Business Finance	3(3-0-6)			3(3-0-6)
228212	Marketing management	3(3-0-6)	229431	Profit Planning and Control	3(3-0-6)
229212	Financial Accounting	3(2-2-5)	229432	Seminar in Managerial Accounting	
230211	Business Law	3(3-0-6)			3(3-0-6)
230212	Business Economics	3(3-0-6)	229451	Internal Auditing and Contr	ol
230221	Principles of Management	3(3-0-6)			3(3-0-6)
230231	Taxation	3(3-0-6)	229452	Information System Control	l
230322	Production and Operations			and Audit	3(3-0-6)
	Management	3(3-0-6)	229453	Seminar in Auditing	3(3-0-6)
230323 Management Information Syst		ystem	229461	Accounting Information System	
		3(3-0-6)			3(3-0-6)
230421	Strategic Management	3(3-0-6)	229462	Seminar in Accounting	
	Major Required Courses	21 credits		Information System	3(3-0-6)
229221	Intermediate Accounting I	3(3-0-6)	229471	Institutional Accounting	3(3-0-6)
229321	Intermediate Accounting II	3(3-0-6)			
229322	Advanced Accounting	3(3-0-6)			

3. Free Elective Courses

6 credits

Students may take at least 6 credits as free elective credits to complete the graduation requirement from courses provided at Burapha University or other universities both in Thailand and abroad.

Bachelor of Business Administration Program in Human Resource

Management (Continuing Program)

Courses Structure

Students are required to take a minimum of 76 credits from the following sections:

1. General Education Courses

	00,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
		13 credits			
	- English Group	6 credits			
	- Information Technology				
	Group	3 credits			
	- Elective Courses	4 credits			
2.	Area of Concentration Courses				
		57 credits			
	- Basic Professional course				
		33 credits			
	- Major Required Courses				
		18 credits			
	- Major Elective Courses				
		6 credits			

3. Free Elective Courses

1. Gene	13 credits		
	English Group	6 credits	
212207	English Communicative Speaking		
		3(2-2-5)	
212208	English Writing Skills	3(3-0-6)	
	Information Technology		
	Group	3 credits	
310101	Computer and the Internet	3(2-2-5)	

A minimum requirement for elective courses is 4 credits. Students can select from General Education Courses which are offered in other faculties from the General Education Courses Manual (2002), Burapha University.

4 credits

3(3-0-6)

Elective Courses

2. Area of Concentration Courses 57 credits				
	Basic Professional Courses	33 credits		
227211	Business Finance	3(3-0-6)		
228212	Marketing Management	3(3-0-6)		
229212	Financial Accounting	3(2-2-5)		
229231	Accounting for Decision Making			
		3(3-0-6)		
230211	Business Law	3(3-0-6)		
230212	Business Economics	3(3-0-6)		
230231	Taxation	3(3-0-6)		
230322	Production and Operations			
	Management	3(3-0-6)		
230323	Management Information System			
		3(3-0-6)		

230421 Strategic Management

6 credits

	Major Required Courses	18 credits	244472	L	eadership	3(3-0-6)
244211	Human Resource Managem	ent	244473	S	eminar in Human Resourc	e ·
		3(3-0-6)		Ν	Management	3(3-0-6)
244212	Organization Behavior	3(3-0-6)	244474	Ir	ndependent Study	3(3-0-6)
244261	Labour Law	3(3-0-6)	244475	С	Cooperation Education	9(0-0-27)
244321	Recruitment and Placement	3(3-0-6)	3. Free	El	ective Courses	6 credits
224331	Training and Development	3(3-0-6)		S	tudents may take at least (of credits as
244441	Compensation Managemen	t 3(3-0-6)	free elec	ctiv	ve credits to complete the	graduation
	Major Required Courses	6 credits	requiren	nen	nt from courses provided	at Burapha
212371	Business English	2(2-0-4)	Universi	ity	or other universities both	in Thailand
214361	Communication in Organiza	ation	and abro	oad.		
		2-(2-0-4)				
216322	Persuasive Communication	2(2-0-4)	Bach	elc	or of Business Admini	stration
216441	Presentation Techniques	3(3-0-6)]	Program in Marketing	<u>.</u>
216464	Interviewing Techniques	2(2-0-4)			(Continuing Program	
216465	Conference procedure	2(2-0-4)	•			,
222251	Introduction to Industrial an	ıd	Courses		,	
	Organizational Psychology	3(3-0-6)			tudents are required to take	
230324	Small and Medium Enterpri	se			of 76 credits from the follo	wing
		3(3-0-6)	sections:		C	
230325	Entrepreneurship	3(3-0-6)		1.	. General Education Cour	
230411	Business Research Methodo	ology			- English Group	13 credits
		3(3-0-6)				6 credits
244262	Principles of Industrial Rela	itions			- Information Technolog Group	3 credits
	-	3(3-0-6)			- Elective Courses	
244332	Organization Development	3(3-0-6)		2		4 credits
244361	Labour Relation	3(3-0-6)		Z.	. Area of Concentration C	
244371	Public Relation in Organiza	tion			n i n Cada atau	57 credits
		3(3-0-6)			- Basic Professional cou	
244471	Human Resource Information	on			Maios Bernind Com	33 credits
	System	3(3-0-6)			- Major Required Cours	
						18 credits

- Major Elective Courses		230323	Management Information S	System	
		6 credits			3(3-0-6)
	3. Free Elective Courses	6 credits	230421	Strategic Management	3(3-0-6)
1. Gener	al Èducation Courses	13 credits		Major Required Courses	18 credits
	English Group	6 credits	228221	Consumer Behavior	3(3-0-6)
212207	English Communicative Spo	eaking	228331	Product and Price Policies	3(3-0-6)
		3(2-2-5)	228351	Advertising and Sales Pron	notion
212208	English Writing Skills	3(3-0-6)		-	3(3-0-6)
	Information Technology		228352	Sales Management	3(3-0-6)
	Group	3 credits	228471	Marketing Research	3(3-0-6)
310101	Computer and the Internet	3(2-2-5)	228481	Seminar in Marketing	3(3-0-6)
	Elective Courses	4 credits		Major Elective Courses	18 credits
	A minimum requirement	for elective	228231	Service Marketing	3(3-0-6)
courses is 4 credits. Students can select from		select from	228341	Wholesaling Management	3(3-0-6)
General Education Courses which are offere		e offered in	228343	purchasing Management	3(3-0-6)
other faculties from the General I		Education	228361	International Marketing	3(3-0-6)
Courses	Manual (2002), Burapha Un	iversity.	228371	Quantitative Analysis for Marketing	
2. Area	of Concentration Courses	57 credits			3(3-0-6)
	Basic Professional Courses	33 credits	228423	Packaging Management	3(3-0-6)
227211	Business Finance	3(3 ₁ 0 ₇ 6)	228431	Industrial Marketing	3(3-0-6)
228212	Marketing Management	3(3-0-6)	228432	Agricultural Marketing	3(3-0-6)
229212	Financial Accounting	3(2-2-5)	228441	Marketing Channels and Pl	nysical
229231	Accounting for Decision M			Distribution Management	3(3-0-6)
		3(3-0-6)	228442	Electronic Marketing	3(3-0-6)
230211	-	3(3-0-6)		Import and Export Manage	ment
230212	Business Economics	3(3-0-6)			3(3-0-6)
230221	Principles of Management	3(3-0-6)	230324	Small and Medium Enterp	rise
230231	Taxation	3(3-0-6)		Management	3(3-0-6)
230322	Production and Operations	3(3-0-6)	230422	Project Management	3(3-0-6)
	Management		244211	Human Resource Manage	ment
	•				3(3-0-6)

3. Free Elective Courses 6 credits

Students may take at least 6 credits as free elective credits to complete the graduation requirement from courses provided at Burapha University or other universities both in Thailand and abroad.

Bachelor of Science Program in Maps and Geographical Technology (Continuing Program)

Courses Structure

Students are required to take a minimum of 78 credits from the following sections:

1. General Education Courses

- English Group 6 credits
- Information Technology
Group 3 credits
- Elective Courses 6 credits

1. Area of Concentration Courses
57 credits
- Basic Professional course
21 credits
- Major Required Courses
24 credits
- Major Elective Courses

3. Free Elective Courses

1. Gener	15 credits	
	English Group	6 credits
212205	English for Science and	
	Technology I	3(2-2-5)
212207	English Communicative Sp	peaking
		3(2-2-5)

Information Technology

	Group	3 credits
310101	Computer and the Internet	3(2-2-5)
	Elective Courses	6 credits

A minimum requirement for elective courses is 6 credits. Students can select from General Education Courses which are offered in other faculties from the General Education Courses Manual (2002), Burapha University.

2. Area of Concentration Courses 57 credits

	Basic Professional Courses	21 credits
223211	Map Reading and Aerial Ph	ioto
	Interpretation	3(2-2-5)
223212	Introduction to Remote Sen	sing
	and Geographic Information	n
	System	3(2-2-5)
223251	Physical Geography I	3(2-2-5)
223252	Physical Geography II	3(2-2-5)
223306	Research Methodology	
	in Geography	3(2-2-5)
310322	C Programming	3(2-2-5)
310371	Internet Technologies	3(3-0-6)
	Major Required Courses	21 credits
223215	Remote Sensing	3(2-2-5)

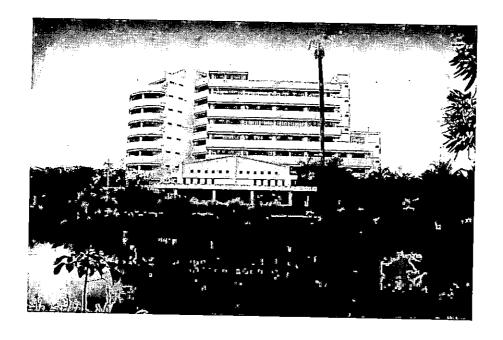
223216 Geographic Information System

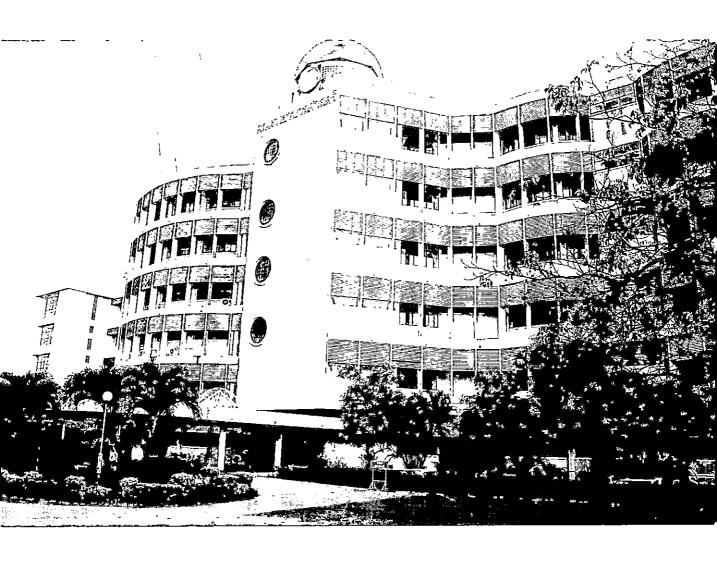
3(2-2-5)

12 credits

6 credits

223317	Topographic Survey	3(2-2-5)	223321	Three Dimensions Mapping	g 3(2-2-5)
223318	Plane Survey	3(2-2-5)	223422	Computer Mapping	3(2-2-5)
223319	Cartography	3(2-2-5)	223424	Land Use Mapping Technic	ques
223320	Global Positioning System	3(2-2-5)			3(2-2-5)
223427	Geography Database Manag	gement	223444	Geography of Tourism	3(3-0-6)
	System	3(2-2-5)	223492	Problems in Geography	
223428	Seminar in Geo-Informatics	i		of Thailand	3(3-0-6)
	System	3(2-2-5)	3. Free	Elective Courses	6 credits
	Major Elective Courses	21 credits		Students may take at least	6 credits as
223213	Statistical Techniques in		free elec	tive credits to complete the	graduation
	Geography	3(3-0-6)	requirem	ent from courses provided	at Burapha
223214	Photogrammetry	3(2-2-5)	Universi	ty or other universities both	in Thailand
223254	Geomorphology	3(2-2-5)	and abro	ad.	
223294	Geography of Eastern Thail	and			
		3(3-0-6)			





Faculty of Nursing

Faculty of Nursing

Background

Burapha University (formerly Srinakharinwirot University) recognized the importance of "Health for All by the Year 2000" and also a lack of nurses in Thailand, There fore, the University established the Faculty of Nursing on June 8, 1982 and began teaching nursing students at the undergraduate level in 1983. Since then, the Faculty of Nursing of Burapha University has graduated more than 2,000 nurses to serve Thai society in both the government and private sectors.

Departments

The Faculty of Nursing is composed of 6 departments. They are:

- 1.Department of Basic Science in Nursing
- 2.Department of Community Nursing
- 3.Department of Maternal and Child Health Nursing
- 4.Department of Medical and Surgical Nursing
- 5.Department of Mental Health and **Psychiatric Nursing**
- 6.Department of Research, Evaluation, and Nursing Administration

Degrees Offered

Bachelor of Nursing Science (B.N.S.)

Bachelor of Nursing Science Program Courses Structure

Students are required to take a minimum of 138 credits from the following sections:

1. General Education Courses

30 credits

Required Courses 26 credits

- English Group 12 credits

- Thai Group 2 credits

- Information Techhology Group

3 credits

- Interdisciplinary Integration

Group 9 credits

Elective Courses 4 credits

2. Area of Concentration Courses

102 credits

- Basic Professional Courses

28 credits

- Professional Courses 74 credits

3. Free Elective Courses 6 credits

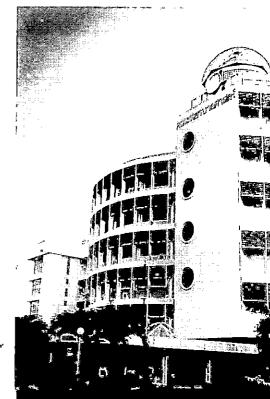
1. Gene	ral Education Courses	30 credits	2. Area	of Concentration Courses	102 credits
Require	ed Courses	26 credits		Basic Professional Courses	28 credits
	English Group	12 credits	101101	Basic Concepts in Nursing	3(3-0-6)
Basic En	glish	6 credits	104302	Nursing Inquiry and Inform	natics
212101	English I	3(3-0-6)			3(2-3-4)
212102	English II	3(3-0-6)	104403	Nursing professional Devel	opment
212103	English III	3(3-0-6)			3(3-0-6)
212304	English IV	3(3-0-6)	104404	Introduction to Business Co	oncepts
Professio	nal English	6 credits		in Health Care Services	2(2-0-4)
212203	English for Health Sciences	s I 3(2-2-5)	305101	Microbiology and Parasitol	ogy
212204	English for Health Sciences	s II 3(2-2-5)			3(2-3-4)
	Thai Group	2 credits	308105	Physics for Health Science	3(3-0-6)
208101	Thai Language Skills	2 (2-0-4).	316202	Biochemistry for Health	
	Information Technology Gr	oup		Science	2(2-0-4)
		3 credits	317103	Human Physiology	4(3-3-6)
310101	•	-	317108	Human Anatomy	3(2-3-4)
	Interdisciplinary Integration	•	317206	Principle of Pharmacology	2(2-0-4)
		9 credits		Required Professional Cour	ses
999101	Interdisciplinary Integratio				74 credits
		3 (3-0-6)	103201	Health Care for Wellness I	3(3-0-6)
999102	Interdisciplinary Integratio		101202	Health Care for Wellness II	3(2-2-5)
220102		3 (3-0-6)	102203	Practicum of Health Care	
999103	Interdisciplinary Integration			for Wellness	2(0-8-0)
7 71 41		3 (3-0-6)	101404	Health Care in Community	2(2-0-4)
Elective	Courses	4 credits	101405	Health Care in Community	II 2(2-0-4)
	A minimum requirement i		101406	Practicum of Health Care	
	is 4 credits. Students can s			in Community I	2(0-8-0)
	Education Courses which are		101407	Practicum of Health Care	
	culties from the General			in Community II	2(0-8-0)
Courses I	Manual (2002), Burapha Uni	versity.	102201-	Health Care for Well Matern	nal-
				Newborn and Family I	2(2-0-4)

102202	Health Care for Well Mate	mal-	106404	Practicum of Palliative	
	Newborn and Family II	2(2-0-4)		Health Care	2(0-8-0)
102203	Practicum of Health Care i	or	104409	Practicum in Nursing Profe	ession
	Well Maternal-Newborn a	nd			2(0-8-0)
	Family	3(0-12-0)	Elective	Courses for Nursing Student	ts
102304	Health Care for Maternal-l	Newborn	101408	Community Practice Expen	ience
	at Risk and in Health Devi	ation			2(1-4-1)
	-	3(0-12-0)	101409	Independent Study Related	to
102305	Practicum of health Care f	or		Community Nursing	2(0-0-6)
	Maternal-Newborn at Risk	in	101410	Nursing and Community	
	Health Deviation	2(0-8-0)		Health Promotion	2(2-0-4)
104201	Nursing Practice Technolo	gy I	101411	Occupational Health Nursi	ng I
		3(1-4-4)			2(2-0-4)
105211	Nursing Practice Technolo	gy II	101412	Occupational Health Nursi	ng II
		4(2-4-6)			2(2-0-4)
106201	Health Care for Acute Illne	ess I	102225	Family Education	2(2-0-4)
	•	4(3-2-7)	102318	Health Promotion and	
103202	Health Care for Acute Illne	ess II		Development in Children	2(2-0-4)
		5(4-2-9)	102419	Nursing Care for Critical II	1
103303	Health Care for Critical Ill	ness I		Children	2(0-8-0)
		4(3-2-7)	102420	Childbirth Education	2(1-4-1)
106302	Healthcare for Critical Illn	ess II	102421	Independent Study Related	to
		4(3-2-7)		Maternal-Newborn Nursing	g 2(0-0-6)
103304	Practicum of Health Care	for ,	102422	Independent Study Related	to
	Critical Illness	3(0-12-0)		Nursing for Children	2(0-0-6)
105312	, Health Care for Chronic II	Iness	103417	•	
		5(4-2-9)		Patients	3(1-8-0)
105413	Practicum of Health Care i		103418	• •	2(1-4-1)
•	Chronic Illness	3(0-12-0)	103419	Neoplastic and Oncologic	
106303	Palliative Health Care	4(3-2-7)		Nursing	2(1-4-1)

103420	Operating Room Nursing	3(1-8-0)
104212	Computer for Nurse	2(1-2-3)
104313	Nursing Informatics	2(1-2-3)
104414	Independent Study Related	to
	Research in Nursing	2(0-0-6)
104415	Independent Study Related	to
	Nursing Administration	2(0-0-6)
104416	Independent Study Related	to
	Evaluation in Nursing	2(0-0-6)
104417	International Health	2(2-0-4)
104419	Health Program Evaluation	2(2-0-4)
105205	Mental Health Promotion	
	for the Elderly	2(1-2-3)
105404	Independent Study Related	to
	Gerontological Nursing	2(2-0-4)
106224	The Relaxation and Stress	
	Reduction	1(1-0-2)
106419	Independent Study Related	to
	Mental Health and Psychiati	ric
	Nursing	2(0-0-6)
106420	Mental Health in Industry	2(0-0-6)
106423	Patterns of Knowing in Nurs	sing
		2(2-0-4)
Elective (Courses for General Students	
101222	AIDS Education	2(2-0-4)
101223	Primary Self Health Care	2(2-0-4)
102224	Holistic Health Care	2(2-0-4)
102225	Family Life Education	2(2-0-4)

103220	Family Health Care	2(2-0-4)
103221	Basic Nursing Care for	
	AIDS Patients	2(2-0-4)
103222	First Aid and Basic Life Su	pport
		2(1-2-3)
106221	Mental Health Promotion a	nd
	Prevention Techniques	2(1-2-3)
106222	Thai Wisdom and Health C	are
		2(1-2-3)
106223	The Sustainable Developme	ent
	for Heath Care System	2(1-2-3)
106405	Buddhism and Mental	
	Health Care	2(2-0-4)
106406	Reflective practice	2(1-2-3)
3. Free	Elective Courses	6 credits

Students may take at least 6 credits as free elective credits to complete the graduation requirement from courses provided at Burapha University or other universities both in Thailand and abroad.



Bachelor of Nursing Science Program (Continuing Program)

Courses Structure

Students are required to take a minimum of 76 credits from the following sections:

1. General Education Courses

Required Courses 17 credits
- English Group 6 credits
- Thai Group 2 credits
- Information Technology Group
3 credits
- Interdisciplinary Integration

Group 6 credits

Elective Courses 2 credits

2. Area of Concentration Courses

51 credits

- Basic Professional Courses

13 credits

- Professional Courses 38 credits

3. Free Elective Courses 6 credits

1. General Education Courses 19 credits

Required Courses 17 credits

English Group 6 credits

212203 English for Health Sciences I 3(2-2-5)

212204 English for Health Sciences II 3(2-2-5)

Thai Group 2 credits

208101 Thai Language Skills 2 (2-0-4)

Information Technology Group

3 credits

310101 Computer and the Internet 3 (2-2-5)

Interdisciplinary Integration Group

6 credits

999101 Interdisciplinary Integration I

3 (3-0-6)

999102 Interdisciplinary Integration II

3 (3-0-6)

999103 Interdisciplinary Integration III

3 (3-0-6)

Elective Courses 2 credits

A minimum requirement for elective courses is 2 credits. Students can select from General Education Courses which are offered in other faculties from the General Education Courses Manual (2002), Burapha University.

2. Area of Concentration Courses 50 credits

Basic Professional Courses 13 credits

101115 Basic Concepts in Nursing 2(2-0-4)

104308 Nursing Inquiry and Informatics

3(2-3-4)

104405 Laws and Nursing Professional

Development 2(2-0-4)

104409 Introduction for Business Concepts

in Health Care Services 2(2-0-4)

317206 Principle of Pharmacology 2(2-0-4)

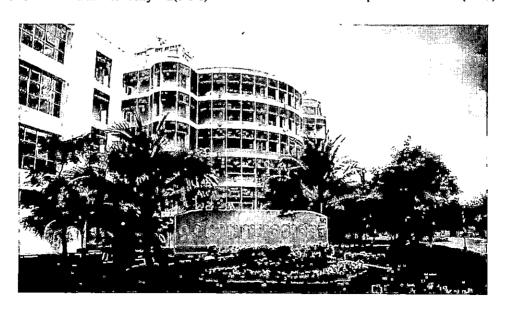
317309 Human Physiology 2(2-0-4)

Professional Courses 74 credits

101404 Health Care in Community I 2(2-0-4)

101405	Health Care in Community	II 2(2-0-4)		Elective Courses for Nursin	g Students
			101408	Community Practice Exper	rience
101406	Practicum of Health Care				2(1-4-1)
	in Community I	2(0-8-0)	101409	Independent Study Related	to
101407	Practicum of Health Care			Community Nursing	2(0-0-6)
	in Community II	2(0-8-0)	101410	Nursing and Community	
102304	Health Care for Maternal-N	lewborn		Health Promotion	2(2-0-4)
	at Risk and in Health Devia	ation	101411	Occupational Health Nursin	ng I
		3(0-12-0)			2(2-0-4)
102305	Practicum of health Care fo	or	101412	Occupational Health Nursin	ng II
	Maternal-Newborn at Risk	in			2(2-0-4)
	Health Deviation	2(0-8-0)	102225	Family Education	2(2-0-4)
103303	Health Care for Critical Illr	ness I	102318	Health Promotion and	
		4(3-2-7)		Development in Children	2(2-0-4)
103304	Practicum of Health Care fo	or	102419	Nursing Care for Critical II	1
	Critical Illness	3(0-12-0)		Children	2(0-8-0)
105312	Health Care for Chronic Illi	ness	102420	Childbirth Education	2(1-4-1)
		5(4-2-9)	102421	Independent Study Related	to
105413	Practicum of Health Care fo	ОГ		Maternal-Newborn Nursing 2(0-0-6	
	Chronic Illness	3(0-12-0)	102422	Independent Study Related	to
106303	Palliative Health Care	4(3-2-7)		Nursing for Children	2(0-0-6)
106404	Practicum of Palliative		103416	Critical Care in Adult Nurs	ing
	Health Care	2(0-8-0)			2(0-8-0)
3. Free	Elective Courses	6 credits	103417	Nursing Care for the Surgion	al
	Students may take at lea	st 6 credits		Patients	3(1-8-0)
as free	elective credits to con	mplete the	103418	Emergency Nursing	2(1-4-1)
graduatio	on requirement from cours	es provided	103419	Neoplastic and Oncologic	
at Burap	ha University or other unive	ersities both		Nursing	2(1-4-1)
in Thaila	and and abroad.		103420	Operating Room Nursing	3(1-8-0)

104212	Computer for Nurse	2(1-2-3)	106423	Patterns of Knowing in Nu	sing
104313	Nursing Informatics	2(1-2-3)			2(2-0-4)
104414	Independent Study Related	to		Elective Courses for Genera	l Students
	Research in Nursing	2(0-0-6)	101222	AIDS Education	2(2-0-4)
104415	Independent Study Related	to	101223	Primary Self Health Care	2(2-0-4)
	Nursing Administration	2(0-0-6)	102224	Holistic Health Care	2(2-0-4)
104416	Independent Study Related	to ·	103220	Family Health Care	2(2-0-4)
	Evaluation in Nursing	2(0-0-6)	103221	Basic Nursing Care for	
104417	International Health	2(2-0-4)		AIDS Patients	2(2-0-4)
104419	Health Program Evaluation	2(2-0-4)	103222	First Aid and Basic Life Support	
105205	Mental Health Promotion for			2(1-2-3)	
	the Elderly	2(1-2-3)	106221	Mental Health Promotion a	nd
105404	Independent Study Related	to		Prevention Techniques	2(1-2-3)
	Gerontological Nursing	2(2-0-4)	106222	Thai Wisdom and Health C	are
106224	The Relaxation and Stress				2(1-2-3)
	Reduction	1(1-0-2)	106223	The Sustainable Developme	ent
106419	Independent Study Related	to		for Heath Care System	2(1-2-3)
	Mental Health and Psychiat	ric	106405	Buddhism and Mental	
	Nursing	2(0-0-6)		Health Care	2(2-0-4)
106420	Mental Health in Industry	2(0-0-6)	106406	Reflective practice	2(1-2-3)





Faculty of Public Health

Background

The Faculty of Public Health was established in 1993 to produce public health graduates in three programs: Industrial Hygiene and Safety, Environmental Health, and Health Education and Health Behavior. In 1997 a continuing program in public health was initiated for human resource development for public health personnel.

Departments

The Faculty of Public Health is composed of 4 departments. They are:

- 1. Department of Industrial Hygiene and Safety
- 2. Department of Environmental Health
- 3. Department of Health Education
- 4. Department of Public Health Foundation

Degrees Offered

The Faculty of Public Health offers 3 Bachelor's level degrees:

- 1 Bachelor of Science (Industrial Hygiene and Safety)
- 2. Bachelor of Science (Environmental Health)
- 3. Bachelor of Science (Health Education)

Bachelor of Science Program in

Environmental Health

Courses Structure

Students are required to take a minimum of 131 credits from the following sections:

1. General Education Courses

30 credits

- Required Courses 26 credits

- English Group 12 credits

2 credits - Thai Group

- Information Technology Group

3 credits

- Interdisciplinary Integration Group

9 credits

Elective Courses 4 credits

2. Area Concentration Courses

95 credits

- Basic Professional Courses

49 credits

- Basic Sciences 27 credits

- Basic Public Health 16 credits

- Basic Other Public Health

6 credits

- Professional Course 46 credits -

42 credits - Required Course

- Elective Course 4 credits

3. Free Elective Courses 6 credits

1. General Education Courses	30 credits	2. Profe	2. Professional Courses	
Required Course	26 credits		Basic Professional Course	49 credits
English Group	12 credits	Basic Sci	ences	27 credits
Basic English	6 credits	302113	Calculus I	3(3-0-6)
212101 English I	3(3-0-6)	303101	Chemistry I	3(3-0-6)
212102 English II	3(3-0-6)	303103	Chemistry Laboratory	1(0-3-0)
212103 English III	3(3-0-6)	303220	Organic Chemistry	3(3-0-6)
212104 English IV	3(3-0-6)	303221	Organic Chemistry Laborate	огу
Professional English	6 credits			1(0-3-0)
212203 English for Health Science	es I	305201	Introductory Microbiology	4(3-3-6)
	3(2-2-5)	306101	General Biology I	3(3-0-6)
212204 English for Health Sciences	s II	306102	General Biology Laboratory	1(0-3-0)
	3(2-2-5)	308105	Physics for Health Science	3(3-0-6)
Thai Group	2 credits	308106	Physics Laboratory for Heal	th
208101 Thai Language Skills	2(2-0-4)		Science	1(0-3-0)
Information Technology Gr	oup	316202	Biochemistry for Health Sci	ence
	3 credits			2(2-0-4)
310101 Computer and the Internet	3(2-2-5)	703201	Parasitology	2(1-2-3)
Interdisciplinary Integratio	п Стеир	Basic Pul	blic Health	16 credits
	9 credits	317101	Human Anatomy	2(2-0-4)
999101 Interdisciplinary Integratio	n I	317204	Human Physiology	3(2-3-4)
	3(3-0-6)	701 101	Health and Development	2(1-3-2)
999102 Interdisciplinary Integration	on II	701303	Introduction to Sesearch Me	thods in
	3(3-0-6)		Health Sciences	2(2-0-4)
999103 Interdisciplinary Integratio	n III	701304	Integrated Public Health Fie	eld
	3(3-0-6)		Practice.	1(0-4-0)
Elective Courses	4 credits	702302	Public Health Administration	on 2(2-0-4)
A minimum requirement	for elective	703302	Principles of Edidemiology	and
courses is 4 credits. Students car	a select from		Diseases Control	2(2-0-4)
General Education Courses which	are offered in	705201	Statistics and Population	2(1-3-2)
other faculties from the Gener	al Education			
Courses Manual (2002), Burapha Ur	niversity.			

Basic Oth	er Public Health	6 credits	721408	Insects Vectors and Rodent	
711201	Introduction to Occupationa	l Health		Control	2(2-0-4)
		2(2-0-4)	721409	Air Pollution Control	3(3-0-6)
720201	Introduction to Environmen	t Health	721410	Industrial Sanitation	2(2-0-4)
		2(2-0-4)	721411	Wastewater Management	3(3-0-6)
730304	Health Education and Behav	vioral	722409	Environment Impact Assess	ment
	Science	2(2-0-4)			3(3-0-6)
	Professional Courses	46 credits		Elective Course	4 credits
7203 05	Environmental Pollution Co	ontrol	720306	Food Safety and Consumer	
		2(2-0-4)		Protection	2(2-0-4)
720412	Chemistry of Water and Wa	stewater	720307	Soil Pollution Management	2(2-0-4)
	Analysis	3(1-8-0)	720308	Introduction to Environmen	tal
720413	Field Observation in			Engineering and Sanitation	
	Environmental Health	1(0-4-0)		Engineering Design	2(2-0-4)
720414	Special Study in Environme	ental	720309	Microorganisms and Polluti	on
	Health	2(0-6-0)			2(2-0-4)
720417	Measures for Environmenta	1	720415	Environmental Toxicology	in
	Management	2(2-0-4)		Relation to Health	2(2-0-4)
720418	Seminar in Environmental I	Health	720416	Air Toxics and Health Effect	ets
		1(0-2-1)			2(2-0-4)
720419	Practicum in Environmenta	l Health	722304	Rural Environmental Planni	ing
		3(0-12-0)		and Management	2(2-0-4)
721302	House and Public Building		722407	Urban Environmental Plann	ing
	Sanitation Development	2(2-0-4)		and Management	2(2-0-4)
721303	Food Sanitation	3(2-3-4)	722408	Industrial Environmental Pl	anning
721304	Water Supply and Sanitatio	n 3(2-3-4)		and Management	2(2-0-4)
721305			3. Free l	Elective Course	6 credits
	Management	3(2-3-4)		Students may take at least	6 credits as
721306	_	2(2-0-4)	free ele	ctive credits from courses	provided at
721307	Hazardous Waste Managen		Burapha	University or other univ	ersities both
		2(2-0-4)			

Thailand and abroad to complete the graduation requirement.

Bachelor of Science Program in Health Education and Health Behavior

Courses Structure

Students are required to take a minimum of 129 credits from the following sections:

redus from the following sections:					
1. General Education Cou	1. General Education Courses				
	30 credits				
- Required Courses	26 credits				
- English Group	12 credits				
- Thai Group	2 credits				
- Information Technolo	gy Group				
	3 credits				
- Interdisciplinary Integ	gration Group				
¢.	9 credits				
Elective Courses	4 credits				
2. Area Concentration Cou	ırses				
	93 credits				
- Basic Professional Co	urses				
	43 credits				
- Basic Sciences	21 credits				
- Basic Public Health	18 credits				
- Basic Other Public He	ealth				
	4 credits				
- Professional Course	50 credits				
3. Free Elective Courses	6 credits				

1. Gene	eral Education Courses	30 credits
Require	ed Course	26 credits
	English Group	12 credits
Basic En	glish	6 credits
212101	English I	3(3-0-6)
212102	English II	3(3-0-6)
212103	English III	3(3-0-6)
212104	English IV	3(3-0-6)
Profession	nal English	6 credits
212203	English for Health Sciences	I
		3(2-2-5)
212204	English for Health Sciences	II
		3(2-2-5)
	Thai Group	2 credits
208101	Thai Language Skills	2(2-0-4)
	Information Technology Gro	oup
		3 credits
310101	Computer and the Internet	3(2-2-5)
	Interdisciplinary Integration	Group
		9 credits
999101	Interdisciplinary Integration	I 3(3-0-6)
999102	Interdisciplinary Integration	II 3(3-0-6)
999103	Interdisciplinary Integration	III 3(3-0-6)
Elective	Courses	4 credits
	A minimum requirement	for elective
courses	is 4 credits. Students can	select from
General	Education Courses which ar	e offered in
other fa	eculties from the General	Education
Courses 1	Manual (2002), Burapha Uni	versity.

2. Profe	ssional Courses	93 credits	•	Professional Course	50 credits
	Basic Professional Course	43 credits	730101	Introduction to Health Educ	ation
Basic Sci	ences	21 credits		Profession	2(2-0-4)
302113	Calculus I	3(3-0-6)	730303	Health Education and Beha	vioral
303101	Chemistry I	3(3-0-6)		Science	3(3-0-6)
306101	General Biology I	3(3-0-6)	730205	Health Education and Healt	h
306102	General Biology Laboratory	1(0-3-0)		Behavior of Special Childre	n 2(2-0-4)
306103	General Biology II	3(3-0-6)	730306	Health Education and Healt	h
308105	Physics for Health Science	3(3-0-6)	i.	Behavior in the Workplace	2(2-0-4)
316202	Biochemistry for Health Sci	ience	730408	Research in Health Education	on and
		2(2-0-4)		Behavioral Science	2(1-2-3)
703303	Microbiology and Parasitolo	ogy	730409	Independent Study in Health	h
	in Public Health	3(2-2-5)		Education and Behavioral Science	
Basic Pul	blic Health	18 credits			2(0-6-0)
317101	Human Anatomy	2(2-0-4)	731201	Health and Wellness	2(2-0-4)
317204	Human Physiology	3(2-3-4)	731202	Life and Safe Living	2(2-0-4)
701101	Health and Development	2(1-3-2)	731203	Current Major Health Problems	
701303	Introduction to Research Mo	ethods		in Thai Society 2(2-0-4)	
	in Health Sciences	2(2-0-4)	731204	Sex Education	2(2-0-4)
701304	Integrated Public Health Fie	eld	731205	Consumer Health	2(2-0-4)
	Practice	1(0-4-0)	731306	Health and Family Relation	ship
702302	Public Health Administration	n			2(2-0-4)
		2(2-0-4)	731312	AIDS and Health	2(2-0-4)
703302	Principles of Epidemiology		731407	Emergency Public Health S	ervices
	and Diseases Control	2(2-0-4)			3(2-2-5)
704201	Nutrition and Drugs	2(2-0-4)	731408	Health Psychology	2(2-0-4)
705201	Statistics and Population	2(1-3-2)	731411	Practicum in Health Educati	ion and
	ner Public Health	4 credits		Health Behavior	6(0-24-0)
711201	Introduction to Occupationa		732301	Teaching Techiques in Heal	th
#807 55	Health	2(2-0-4)		Education and Health Behav	vior
720201	Introduction to Environmen				2(2-0-4)
	Health	2(2-0-4)			

732302	Public Health Media Production and		
	Development	3(2-2-5)	
732303	Health Education and Health	h Behavior	
	Program Planning and Eval	uation	
		2(2-0-4)	
732304	Inservice Training for Healt	h Sciences	
		2(1-3-2)	
732405	Communication and Public	Relation in	
	Public Health	2(2-0-4)	
732406	Seminar in Health Educatio	n	
	and Behavioral Science	1(0-3-0)	

Students may take at least 6 credits as free elective credits from courses provided at Burapha University or other universities both Thailand and abroad to complete the graduation requirement.

3. Free Elective Course

6 credits

Bachelor of Science Program in Industrial Hygiene and Safety Program

Courses Structure

Students are required to take a minimum of 130 credits from the following sections:

1. General Education Courses

30 credits

Required Courses 26 credits

- English Group 12 credits

- Thai Group 2 credits

- Information Technology Group

3 credits

- Interdisciplinary Integration Group

9 credits

4 credits Elective Courses

2. Area of Concentration Courses

94 credits

- Basic Professional Courses

50 credits

- Basic Sciences 26 credits

- Basic Public Health 18 credits

- Basic Other Public Health

6 credits

- Professional Course 44 credits

38 credits - Required Course

- Elective Course 6 credits

3. Free Elective Courses 6 credits

1. Gene	ral Education Courses	30 credits	2. Area	of Concentration Courses	94 credits
Require	d Course	26 credits		Basic Professional Course	50 credits
	English Group	12 credits	Basic Sci	ences	26 credits
Basic Eng	glish	6 credits	302113	Calculus I	3(3-0-6)
212101	English I	3(3-0-6)	303101	Chemistry I	3(3-0-6)
212102	English II	3(3-0-6)	303103	Chemistry Laboratory	1(0-3-0)
212103	English III	3(3-0-6)	303220	Organic Chemistry	3(3-0-6)
212104	English IV	3(3-0-6)	303221	Organic Chemistry Laborat	ory
Professio	nal English	6 credits			1(0-3-0)
212203	English for Health Sciences	I	306101	General Biology	3(3-0-6)
		3(2-2-5)	308101	Introductory Physics I	3(3-0-6)
212204	English for Health Sciences	II	308103	Introductory Physics Labor	atory I
		3(2-2-5)			1(0-3-0)
	Thai Group	2 credits	308102	Introductory Physics II	3(3-0-6)
208101	Thai Language Skills	2(2-0-4)	316202	Biochemistry for Health Sc	ience
	Information Technology Gr	oup			2(2-0-4)
		3 credits	703303	Microbiology and Parasitol	ogy
310101	Computer and the Internet	3(2-2-5)		in Public Health	3(2-2-5)
	Interdisciplinary Integration	n Group	Basic Pu	iblic Health	18 credits
		9 credits	317101	Human Anatomy	2(2-0-4)
999101	Interdisciplinary Integration	ı I	317204	Human Physiology	3(2-3-4)
		3(3-0-6)	701101	Health and Development	2(1-3-2)
999102	Interdisciplinary Integration	ıII	701303	Introduction to Research M	ethods
		3(3-0-6)		in Health Sciences	2(2-0-4)
999103	Interdisciplinary Integration	ı III	701304	Integrated Public Health Fi	eld
		3(3-0-6)		Practice	1(0-4-0)
Elective	e Courses	4 credits	702302	Public Health Administration	on 2(2-0-4)
	A minimum requirement	for elective	703302	Principles of Epidemiology	,
courses	is 4 credits. Students can	select from		and Disease Control	2(2-0-4)
General	Education Courses which a	are offered in	704201	Nutrition and Drugs	2(2-0-4)
other f	aculties from the Genera	al Education	705201	Statistics and Population	2(1-3-2)
Courses	Manual (2002), Burapha Un	iversity.			

Basic Ot	her Public Health	6 credits	711407	Occupational Health and Sa	fety
711201	Introduction to Occupations	al		Management	2(2-0-4)
	Health	2(2-0-4)	711413	Independent Study in Occup	oational
720201	Introduction to Environmen	ntal		Health	1(0-2-1)
	Health	2(2-0-4)	712303	Principles of Industrial Engi	ineering
730304	Health Education and Beha	vioral			2(2-0-4)
	Science	2(2-0-4)	712305	Industrial Safety	2(2-0-4)
	Professional Course	44 credits	712306	Industrial Ventilation	2(2-0-4)
Major Re	equired Courses	38 credits.	712407	Safety Engineering	2(2-0-4)
710302	Principles of Industrial Hyg	iene	712409	Risk Assessment	2(2-0-4)
		3(3-0-6)		Elective Course	6 credits
710303	Industrial Toxicology	3(3-0-6)	710408	Indoor Air Quality	2(2-0-4)
710304	Industrial Hygiene Samplin	g and	711408	Quality System	2(2-0-4)
	Analysis I	3(1-6-2)	711409	Total Quality Management	2(2-0-4)
710307	Seminar in Industrial Hygie	ne and	711410	Health Service and Welfare	
	Safety	1(0-2-1)		Facilities in Enterprises	2(2-0-4)
710405	Industrial Hygiene Sampling	g and	711411	Industrial Psychology	2(2-0-4)
	Analysis II	2(1-4-1)	711412	Improvement of Industrial V	Vorking
710406	Industrial Hygiene Control			Conditions	2(2-0-4)
	Technique	2(2-0-4)	712201	Introduction to Accident Ma	magement
710409	Industrial Hygiene and Safe	ty			2(2-0-4)
	Professional Internship	2(0-8-0)	712408	Fire Prevention and Control	2(2-0-4)
711303	Work Physiology	2(2-0-4)	3. Free I	Elective Course 6 credits	.
711304	Occupational Medicine	2(2-0-4)		Students may take at least 6	credits as
711305	Occupational Health and		free elec	tive credits from courses prov	rided at
	Safety Law	2(2-0-4)	Burapha	University or other universiti	es both in
711406	Ergonomics	3(3-0-6)	Thailand	and abroad to complete the g	graduation
	301		requirem	nent.	

I	Bachelor of Science Prog	gram	2. Profes	ssional Courses	52 credits
	in Public Health Progr	am		Basic Professional Course	29 credits
	(Continuing Program		701307	Philosophy of Public Health	2(2-0-4)
		.,	701414	Community Diagnosis	2(1-2-3)
Courses	Structure		703308	Parasitology in Public Healt	h
	Students are required to tak				2(2-0-4)
	dits from the following secti		703413	Principle of Epidemiology	2(2-0-4)
1. Gene	ral Education Courses	16 credits	703414	Disease Control	2(2-0-4)
	- English Group	5 credits	704302	Community Nutrition	2(2-0-4)
	- Humanities Group	2 credits	705302	Demography	2(2-0-4)
	- Interdisciplinary Group	9 credits	705403	Public Health Statistics	2(1-2-3)
2. Area	Concentration Courses	52 credits	711302	Occupational Health	3(3-0-6)
	- Basic Professional Course	s 29 credits	712304	Safety at Work	2(2-0-4)
	- Professional Course	23 credits	720304	Environmental Health	3(3-0-6)
	- Required Course	20 credits	730302	Introduction to Health Beha	vior
	- Elective Course	3 credits			2(2-0-4)
3. Free	Elective Courses 6 credi	ts	732302	Public Health Media Produc	ction and
1. Gene	ral Education Courses	16 credits		Development	3(2-2-5)
	English Group	5 credits		Professional Course	23 credits
212203	English for Health Sciences	I 3(2-2-5)	Require	Course	20 credits
212231	Oral English Practice	2(1-2-3)	701415	Special Study in Public Hea	ılth
	Humanity Group	2 credits			2(0-6-0)
216101	Speech for Effective Comm	nunication	701416	Seminar in Public Health	2(1-2-3)
		2(2-0-4)	702407	Health Economics	2(2-0-4)
	Interdisciplinary Integratio	n Group	702408	Principle of Public Health	
		9 credits		Administration	2(2-0-4)
999101	Interdisciplinary Integration		702409	Public Health Law	1(1-0-2)
		3(3-0-6)	702410	Public Health Administration	on
999102	Interdisciplinary Integration			Research	3(2-2-5)
		3(3-0-6)	702411	Human Resource Administr	ration
999103	Interdisciplinary Integration				2(2-0-4)
		3(3-0-6)		'	• •

702412	Organization Behavior	2(2-0-4)	703312	Emerging and Reemerging	
702413	Supervision and Evaluation	2(1-2-3)		Diseases	3(3-0-6)
711407	Occupational Health and Sa	fety	710303	Industrial Toxicology	3(3-0-6)
	Management	2(2-0-4)	712202	Disaster Management	3(3-0-6)
Elective	Course	3 credits	720303	Environmental Chemistry	
701308	Social Sciences and Anthrop	pology of		and Daily life	3(3-0-6)
	Health	3(3-0-6)	721409	Air Pollution Control	3(3-0-6)
701309	Alternative Health in Public	Health	721412	Solid and Hazardous Waste	
	System	3(3-0-6)		Management	3(3-0-6)
701310	Reproductive Health and Po	pulation	722303	Environmental Health Mana	agement
	Planning	3(3-0-6)		for Tourism	3(3-0-6)
701311	Professional Experiences for	r Health	722409	Environmental Impact Asse	ssment
	Personnel	3(3-0-6)			3(3-0-6)
701312	Health Future Research	3(3-0-6)	730307	Cross Cultural Health	3(2-3-4)
701313	International Public Health	3(2-3-4)	731409	Health Promotion in the Wo	rkplace
702303	Health Economics Research	3(3-0-6)			3(3-0-6)
702304	Health Financing	3(3-0-6)	731410	Behavioral Problem of Drug	g Utilization
702305	Strategic Health Managemen	nt		and Medication for Health	3(3-0-6)
		3(3-0-6)	3. Free E	Elective Course	6 credits
702306	Health Participatory Facilita	tor		Students may take at least	6 credits as
	Technique	3(3-0-6)	free elec	ctive credits from courses	provided at
703309	Basic Epidemiology in		Burapha	University or other unive	ersities both
	Environmental Work	3(3-0-6)	Thailand	and abroad to complete th	e graduation
703311	Epidemiology of Health Eco	nomics	requirem	ent.	
		3(3-0-6)			



9. Bachelor of Science (I	3.Sc., Material		2. Area of Concentrat	ion Courses
Science and	Gemological		•	99 çredits
Technology)			- Core Courses	29 credits
10. Bachelor of Scie	ence (B.Sc.,		- Professional Cour	rses 28 credits
Mathematics)			- Major Courses	42 credits
11. Bachelor of Science (l	B.Sc., Medical		3. Free Elective Course	s 6 credits
Science)		1. Gene	ral Education Courses	30 credits
12. Bachelor of Scientific	ence (B.Sc.,	Require	ed Courses	26 credits
Microbiology)			English Group	12 credits
13. Bachelor of Science (E	3.Sc., Physics)	Basic En	glish	6 credits
14. Bachelor of Scientific	ence (B.Sc.,	212101	English I	3(3-0-6)
Statistics)		212102	English II	3(3-0-6)
		212103	English III	3(3-0-6)
Bachelor of Science Program in Aquatic Science		212104	English IV	3(3-0-6)
		Profession	nal English	6 credits
		212205	English for Science and	i
Courses Structure			Technology I	3(2-2-5)
Students are required to		212206	English for Science and	i
minimum of 135 credits from the	following		Technology II	3(2-2-5)
sections:			Thai Group	2 credits
1. General Education Cou		208101	Thai Language Skills	2(2-0-4)
	30 credits		Information Technology	Group
Required Courses	26 credits			3 credits
- English Group	12 credits	310101	Computer and the Inter	net 3(2-2-5)
- Thai Group	2 credits		Interdisciplinary Integra	tion Group
- Information Tech				9 credits
Group	3 credits	999101	Interdisciplinary Integra	
- Interdisciplinary			•	3(3-0-6)
Group	9 credits	999102	Interdisciplinary Integra	tion II
Elective Courses	4 credits			3(3-0-6)
		999103	Interdisciplinary Integra	tion III
				3(3-0-6)

Elective	Courses	4 credits	303250	Analytical Chemistry	3(3-0-6)
203103	Contemporary World Affair	rs	3,03251	Analytical Chemistry Laboratory	oratory
		2(2-0-4)			1(0-3-0)
216101	Speech for Effective Comm	nunication	305201	Introductory Microbiology	4(3-3-6)
		2(2-0-4)	306211	Ecology	3(2-3-4)
222102	Personality and Self Deve	elopment	306321	Genetics	3(2-3-4)
		2(2-0-4)	306331	Animal Physiology	3(2-3-4)
226101	General Economics	2(2-0-4)	312202	Biostatistics	3(3-0-6)
230101	General Knowledge on B	usiness	316201	General Biochemistry	3(3-0-6)
		2(2-0-4)	316221	General Biochemistry Lab	oratory
501102	Safety in Everyday Life	2(2-0-4)			1(0-3-0)
2. Area	of Concentration Courses	98 credits		Major Courses	42 credits
	Core Courses	9 credits	Major R	equired Courses ·	31 credits
301301	Quality Management	2(2-0-4)	309201	Marine Biology	3(2-3-4)
302111	Calculus I	3(3-0-6)	309241	Introduction to Oceanograp	ohy
302112	Calculus II	3(3-0-6)			3(3-0-6)
303101	Chemistry I	3(3-0-6)	309251	Introduction to Fisheries	
303102	Chemistry II	3(3-0-6)		Technology	3(3-0-6)
303103	Chemistry Laboratory	1(0-3-0)	309321	Aquatic Invertebrates	4(3-3-6)
306101	General Biology I	3(3-0-6)	309323	Ichthyology	3(2-3-4)
306102	General Biology Laborato	ory I	309342	Limnology	3(3-0-6)
		1(0-3-0)	309361	Marine Ecology	3(2-3-4)
308101	Introductory Physics I	3(3-0-6)	309371	Aquaculture	3(3-0-6)
308102	Introductory Physics II	3(3-0-6)	309431	Water Quality Analysis	3(2-3-4)
308103	Introductory Physics Labo	ratory I	309491	Seminar in Aquatic Science	1(1-0-2)
		1(0-3-0)	309492	Special Problems in	
312201	Elementary Statistics	3(3-0-6)		Aquatic Science	2(0-6-0)
	Professional Courses	28 credits	Major 1	Elective Courses	11 credits
303220	Organic Chemistry	3(3-0-6)		Fishing and Aquaculture	
303221	Organic Chemistry Labor	atory	309325	Diseases and Pathology of	of
		1(0-3-0)		Aquatic Animal	3(2-3-4)

309352	Fisheries Gears	2(1-3-2)	309494	Selected Topics in Aquat	ic
309353	Fisheries Products Techno	logy		Science II	3(3-0-6)
		3(2-3-4)		Biology and Ecology	
309372	Food of Aquatic Animal	3(2-3-4)	309302	Planktonology	3(2-3-4)
309373	Coastal Aquaculture	3(3-0-6)	309303	Marine Microbiology	3(2-3-4)
309374	Laboratory in Coastal Aq	uaculture	309311	Aquatic Plants	3(2-3-4)
		2(0-6-0)	309312	Phycology	3(2-3-4)
309375	Aquatic Animal Breeding	3(3-0-6)	309401	Taxidermy	2(1-3-2)
309376	Laboratory in Aquatic An	imal	309402	Marine Biotoxins	3(3-0-6)
	Breeding	2(0-6-0)	309421	Carcinology	3(2-3-4)
309377	Ornamental Fish and Aqu	arium	309422	Malacology	3(2-3-4)
	Plants	3(2-3-4)	309423	Physiology of Aquatic Anii	mals
309378	Aquatic Animal Farm				3(2-3-4)
	Management	2(2-0-4)	309424	Aquatic Vertebrates	3(2-3-4)
309379	Aquaculture Business	3(3-0-6)	309425	Embryology of Aquatic A	Animals
309434	Natural Products from Aq	uaculture			3(2-3-4)
		3(3-0-6)	309426	Fish and Crustacean Ende	ocrinology
309471	Aquatic Animal Nutrition	3(3-0-6)			3(3-0-6)
309472	Aquaculture Genetics	3(3-0-6)	309464	Mangrove Ecology	3(3-0-6)
309473	Algae and Aquatic Plant		309465	Coral Reef Ecology	3(3-0-6)
	Aquaculture	3(2-3-4)	309466	Benthic Ecology	3(3-0-6)
309474	Mollusk Aquaculture	3(2-3-4)	309467	Fish Ecology	3(3-0-6)
309475	Crustacean Aquaculture	3(2-3-4)	309468	Aquatic Microbial Ecolog	y3(2-3-4)
309476	Pisciculture	3(2-3-4)	309469	Aquatic Invertebrate	
309477	Aquaculture Engineering	3(3-0-6)		Ecophysiology	3(2-3-4)
309478	Aquaculture Biotechnology	y 3(3-0 - 6)	309493	Selected Topics in Aquat	ic
309479	Gamete and Embryo Cryop	reservation		Science I	3(3-0-6)
	of Aquatic Animals	3(2-3-4)	309494	Selected Topics in Aquat	ic
309493	Selected Topics in Aquati	ic		Science II	3(3-0-6)
	Science I	3(3-0-6)			

	Oceanography and Environ	nmental	309463	Coastal Environment and	Impact
309343	Introduction to Chemical			Assessment	3(3-0-6)
	Oceanography	3(3-0-6)	309464	Aquatic Resources Conser	vation
309344	Introduction to Physical			•	3(3-0-6)
	Oceanography	3(3-0-6)	309481	Introduction to Navigation	1 3(2-3-4)
309345	Introduction to Geological		309482	Laws of the Sea	2(2-0-4)
	Oceanography	3(3-0-6)	309483	Scuba Diving	2(1-3-2)
309346	Aquatic Toxic Assessmen	t 3(3-0-6)	309493	Selected Topics in Aquat	ic
309368	Geographic Information S	ystems		Science I	3(3-0-6)
	for Aquatic Resources	3(2-3-4)	309494	Selected Topics in Aquat	ic .
309369	Remote Sensing for Aqua	tic		Science II	3(3-0-6)
	Resources Management	3(2-3-4)	3. Free	Elective Courses	6 credits
309432	Chemistry and Treatment	of		Students may take at lea	st 6 credits
	Wastewater	3(2-3-4)	as free	elective credits from cour	ses provided
309433	Introduction to Aquatic		at Bura	apha University or other	universities
	Geochemistry	3(3-0-6)	both in	Thailand and abroad to d	omplete the
309435	Introduction to Aquatic		graduati	on requirement.	••
	Biochemistry	3(3-0-6)			
309436	Introduction to Aquatic		Ba	chelor of Science Prog	ram in
	Biogeochemistry	3(3-0-6)		Biochemistry	
309437	Marine Environmental An	alysis	Courses	s Structure	
	Techniques	3(3-0-6)		Students are required to	take a
309438	Environmental Toxicology	3(3-0-6)	•	m of 130 credits from the	
309441	Marine Natural Resources	2(2-0-4)	sections		
309442	Oceanography Data Analys	ris	2201012	General Education Co	3(2-3-4) ourses
309443	Aquatic Pollution	3(3-0-6)		• • • • • • • • • • • • • • • • • • • •	30 credits
309461	Aquatic Resources Manag	ement		Required Courses	26 credits
		3(3-0-6)		•	12 credits
309462	Integrated Coastal Zone	1		- Thai Group	2 credits
	Management	3(3-0-6)	•	- Information Techn	
				Group	3 credits
				Civap	5 5.54.60

	- Interdisciplinary In	ntegration	999102	Interdisciplinary Integration	n II
	Group	9 credits			3(3-0-6)
	Elective Courses	4 credits	999103	Interdisciplinary Integratio	n III
	2. Area of Concentrati	on Courses			3(3-0-6)
		94 credits	Elective	Courses	4 credits
	- Core Courses	29 credits	203103	Contemporary World Affa	airs
	- Professional Cours	es			2(2-0-4)
		26 credits	216101	Speech for Effective	
	- Major Courses	39 credits		Communication	2(2-0-4)
	3. Free Elective Courses	6 credits	222102	Personality and Self	
1. Gene	eral Education Courses	30 credits		Development	2(2-0-4)
Requir	ed Courses	26 credits	226101	General Economics	2(2-0-4)
	English Group	12 credits	230101	General Knowledge on Bus	siness
Basie En	glish	6 credits			2(2-0-4)
212101	English I	3(3-0-6)	501102	Safety in Everyday Life	2(2-0-4)
212102	English II	3(3-0-6)	2. Area	of Concentration Course	s 94 credits
212103	English III	3(3-0-6)		Core Courses	29 credits
212104	English IV	3(3-0-6)	301301	Quality Management	2(2-0-4)
Professio	nal English	6 credits	302111	Calculus I	3(3-0-6)
212205	English for Science and		302112	Calculus II	3(3-0-6)
	Technology I	3(2-2-5)	303101	Chemistry I	3(3-0-6)
212206	English for Science and		303102	Chemistry II	3(3-0-6)
	Technology II	3(2-2-5)	303103	Chemistry Laboratory	1(0-3-0)
	Thai Group	2 credits	306101	General Biology I	3(3-0-6)
208101		2(2-0-4)	306102	General Biology Laborato	ту I
	Information Technology G				1(0-3-0)
		3 credits	308101	Introductory Physics I	3(3-0-6)
310101	•		308102	Introductory Physics II	3(3-0-6)
	Interdisciplinary Integrati	on Group 9 credits	308103	Introductory Physics Labo	ratory I
000101	Intendigainlinen: Internetic				1(0-3-0)
וטועעע	Interdisciplinary Integration	3(3-0-6)	312201	Elementary Statistics	3(3-0-6)

	Professional Courses	26 credits	316316	Analytical Biochemistry	2(2-0-4)
303222	Organic Chemistry I	3(3-0-6)	316331	Isotopic Methods in Bioch	nemistry
303224	Organic Chemistry II	3(3-0-6)			2(2-0-4)
303225	Fundamental Organic Che	mistry	316332	Techniques in Cell and	
	Laboratory I	1(0-3-0)		Tissue Culture	3(2-3-4)
303226	Fundamental Organic Che	mistry	316341	Nutritional Biochemistry	3(3-0-6)
	Laboratory II	1(0-3-0)	316342	Nutritional Biochemistry	1(0-3-0)
303230	Physical Chemistry	3(3-0-6)	316351	Biochemical Water Treatme	ent
303231	Physical Chemistry Labora	atory			3(3-0-6)
		1(0-3-0)	316361	Principles of Genetic Engin	eering
303250	Analytical Chemistry	3(3-0-6)			3(3-0-6)
303251	Analytical Chemistry Labor	ratory	316371	Introduction to Biotechnol	ogy
		1(0-3-0)			3(3-0-6)
305201	Introductory Microbiology	4(3-3-6)	316381	Research Method in Bioche	mistry
305331	Immunology	3(2-3-4)			1(1-0-2)
306321	Genetics	3(2-3-4)	316382	Computer for Biochemica	1
	Major Courses	39 credits		Research	2(1-2-3)
Major R	lequired Courses	20 credits			
	•	ZU CICUILS	316417	Enzymology	3(3-0-6)
316201	General Biochemistry	3(3-0-6)		Enzymology Experiments in Metabolism	
316201 316221	General Biochemistry	3(3-0-6)		,	
	General Biochemistry	3(3-0-6)	316424 316433	Experiments in Metabolism	2(0-6-0)
	General Biochemistry	3(3-0-6) oratory	316424 316433 316443	Experiments in Metabolism Bioseparation	2(0-6-0) 3(3-0-6) 3(3-0-6)
316221 316311	General Biochemistry General Biochemistry Lab	3(3-0-6) coratory 1(0-3-0)	316424 316433 316443 316444	Experiments in Metabolism Bioseparation Food Biochemistry	2(0-6-0) 3(3-0-6) 3(3-0-6)
316221 316311 316312	General Biochemistry Lab Biochemistry I	3(3-0-6) foratory 1(0-3-0) 3(3-0-6) 3(3-0-6)	316424 316433 316443 316444 316452	Experiments in Metabolism Bioseparation Food Biochemistry Biochemistry of Exercise	2(0-6-0) 3(3-0-6) 3(3-0-6) 2(2-0-4)
316221 316311 316312	General Biochemistry General Biochemistry Lab Biochemistry I Biochemistry II Biochemistry Techniques I	3(3-0-6) oratory 1(0-3-0) 3(3-0-6) 3(3-0-6)	316424 316433 316443 316444 316452	Experiments in Metabolism Bioseparation Food Biochemistry Biochemistry of Exercise Marine Biochemistry	2(0-6-0) 3(3-0-6) 3(3-0-6) 2(2-0-4)
316221 316311 316312 316322	General Biochemistry General Biochemistry Lab Biochemistry I Biochemistry II Biochemistry Techniques I Biochemistry Techniques I	3(3-0-6) oratory 1(0-3-0) 3(3-0-6) 3(3-0-6)	316424 316433 316443 316444 316452 316453	Experiments in Metabolism Bioseparation Food Biochemistry Biochemistry of Exercise Marine Biochemistry Biochemistry of Natural	3(3-0-6) 3(3-0-6) 2(2-0-4) 2(2-0-4)
316221 316311 316312 316322 316323	General Biochemistry General Biochemistry Lab Biochemistry I Biochemistry II Biochemistry Techniques I Biochemistry Techniques I Biochemistry Techniques I	3(3-0-6) oratory 1(0-3-0) 3(3-0-6) 3(3-0-6) 3(1-6-2) I3(1-6-2)	316424 316433 316443 316444 316452 316453	Experiments in Metabolism Bioseparation Food Biochemistry Biochemistry of Exercise Marine Biochemistry Biochemistry of Natural Pigments Biopolymer	2(0-6-0) 3(3-0-6) 3(3-0-6) 2(2-0-4) 2(2-0-4)
316221 316311 316312 316322 316323 316491 316492	General Biochemistry General Biochemistry Lab Biochemistry I Biochemistry II Biochemistry Techniques I Biochemistry Techniques I Biochemistry Techniques I	3(3-0-6) soratory 1(0-3-0) 3(3-0-6) 3(3-0-6) 3(1-6-2) 13(1-6-2)	316424 316433 316443 316444 316452 316453	Experiments in Metabolism Bioseparation Food Biochemistry Biochemistry of Exercise Marine Biochemistry Biochemistry of Natural Pigments Biopolymer	2(0-6-0) 3(3-0-6) 3(3-0-6) 2(2-0-4) 2(2-0-4) 2(2-0-4)
316221 316311 316312 316322 316323 316491 316492 316493	General Biochemistry General Biochemistry Lab Biochemistry I Biochemistry II Biochemistry Techniques I Biochemistry Techniques I Biochemical Seminar I Biochemical Seminar II	3(3-0-6) soratory 1(0-3-0) 3(3-0-6) 3(3-0-6) 3(1-6-2) 13(1-6-2) 1(1-0-2)	316424 316433 316443 316444 316452 316453 316454 316462 316463	Experiments in Metabolism Bioseparation Food Biochemistry Biochemistry of Exercise Marine Biochemistry Biochemistry of Natural Pigments Biopolymer Biochemical Genetics	2(0-6-0) 3(3-0-6) 3(3-0-6) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4)
316221 316311 316312 316322 316323 316491 316492 316493 Major E	General Biochemistry General Biochemistry Lab Biochemistry I Biochemistry II Biochemistry Techniques I Biochemistry Techniques I Biochemical Seminar I Biochemical Seminar II Research Projects	3(3-0-6) soratory 1(0-3-0) 3(3-0-6) 3(3-0-6) 3(1-6-2) 13(1-6-2) 1(1-0-2) 1(1-0-2) 2(0-6-0)	316424 316433 316443 316444 316452 316453 316454 316462 316463	Experiments in Metabolism Bioseparation Food Biochemistry Biochemistry of Exercise Marine Biochemistry Biochemistry of Natural Pigments Biopolymer Biochemical Genetics Molecular Genetics Principles of Protein	2(0-6-0) 3(3-0-6) 3(3-0-6) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4)
316221 316311 316312 316322 316323 316491 316492 316493 Major E	General Biochemistry General Biochemistry Lab Biochemistry I Biochemistry II Biochemistry Techniques I Biochemistry Techniques I Biochemical Seminar I Biochemical Seminar II Research Projects	3(3-0-6) oratory 1(0-3-0) 3(3-0-6) 3(3-0-6) 3(1-6-2) 13(1-6-2) 1(1-0-2) 1(1-0-2) 2(0-6-0) 19 credits	316424 316433 316443 316444 316452 316453 316454 316462 316463 316464	Experiments in Metabolism Bioseparation Food Biochemistry Biochemistry of Exercise Marine Biochemistry Biochemistry of Natural Pigments Biopolymer Biochemical Genetics Molecular Genetics	2(0-6-0) 3(3-0-6) 3(3-0-6) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4)

316473	Industrial Biochemistry	3(3-0-6)	309434	Natural Products from Aqu	aculture
316474	Biotechnology of Fermenta	tion			3(3-0-6)
		3(2-3-4)	311301	Introductory Food Science	e and
316483	Selected Topics in Biochem	istry		Technology	2(2-0-4)
		2(2-0-4)	311302	General Food Chemistry	2(2-0-4)
303422	Natural Products	2(1-3-2)	312202	Biostatistics	3(3-0-6)
303426	Forensic Science	2(1-3-2)	317206	Principles of Pharmacolog	gy
303474	Polymer Chemistry	2(2-0-4)			2(2-0-4)
303475	Environmental Chemistry	2(2-0-4)	317446	Medicinal Plants	2(2-0-4)
303476	Pharmaceutical Chemistry	2(2-0-4)	3. Free	Elective Courses	
303477	Cosmetic Chemistry	2(2-0-4)		Students may take at lea	st 6 credits
303478	Polymer Technology	2(2-0-4)	as free	elective credits from cour	ses provided
303479	Rubber Technology	2(2-0-4)	at Bura	pha University or other	universities
303483	Petroleum Chemistry	2(2-0-4)	both in	Thailand and abroad to o	complete the
305311	Microbial Genetics	3(3-0-6)	graduati	on requirement.	
305351	Microbial Enzyme	3(2-3-4)			
202021	•	- ()			
	Genetic Engineering	3(2-3-4)	Вас	helor of Science Prog	ram in
305412	-	3(2-3-4)	Вас	chelor of Science Prog	ram in
305412	Genetic Engineering	3(2-3-4)		-	ram in
305412 305435	Genetic Engineering Bioactive Compounds from	3(2-3-4) n		Biology	
305412 305435 306311	Genetic Engineering Bioactive Compounds from Microorganisms	3(2-3-4) n 2(2-0-4)	Courses	Biology Structure	take a
305412 305435 306311	Genetic Engineering Bioactive Compounds from Microorganisms General Physiology	3(2-3-4) n 2(2-0-4)	Courses	Biology Structure Students are required to m of 130 credits from the	take a
305412 305435 306311 306418	Genetic Engineering Bioactive Compounds from Microorganisms General Physiology Fundamental Bioprocess	3(2-3-4) n 2(2-0-4) 3(3-0-6)	Courses	Biology Structure Students are required to m of 130 credits from the	take a ne following
305412 305435 306311 306418	Genetic Engineering Bioactive Compounds from Microorganisms General Physiology Fundamental Bioprocess Engineering	3(2-3-4) m 2(2-0-4) 3(3-0-6) 3(2-3-4)	Courses	Biology Structure Students are required to m of 130 credits from the control of	take a ne following
305412 305435 306311 306418 309201 309402	Genetic Engineering Bioactive Compounds from Microorganisms General Physiology Fundamental Bioprocess Engineering Marine Biology	3(2-3-4) m 2(2-0-4) 3(3-0-6) 3(2-3-4) 3(2-3-4) 3(3-0-6)	Courses	Biology Structure Students are required to m of 130 credits from the control of	take a ne following urses
305412 305435 306311 306418 309201 309402 309431	Genetic Engineering Bioactive Compounds from Microorganisms General Physiology Fundamental Bioprocess Engineering Marine Biology Marine Biotoxins	3(2-3-4) m 2(2-0-4) 3(3-0-6) 3(2-3-4) 3(2-3-4) 3(3-0-6) 3(2-3-4)	Courses	Biology Structure Students are required to m of 130 credits from the control of	take a ne following nrses 30 credits
305412 305435 306311 306418 309201 309402 309431 309438	Genetic Engineering Bioactive Compounds from Microorganisms General Physiology Fundamental Bioprocess Engineering Marine Biology Marine Biotoxins Water Quality Analysis	3(2-3-4) m 2(2-0-4) 3(3-0-6) 3(2-3-4) 3(2-3-4) 3(2-3-4) 3(3-0-6)	Courses	Biology Structure Students are required to m of 130 credits from the control of	take a ne following urses 30 credits 26 credits
305412 305435 306311 306418 309201 309402 309431 309438 309353	Genetic Engineering Bioactive Compounds from Microorganisms General Physiology Fundamental Bioprocess Engineering Marine Biology Marine Biotoxins Water Quality Analysis Environmental Toxicology Fisheries Products Technol	3(2-3-4) m 2(2-0-4) 3(3-0-6) 3(2-3-4) 3(2-3-4) 3(2-3-4) 3(3-0-6)	Courses	Biology Structure Students are required to m of 130 credits from the contract of the contrac	take a ne following arses 30 credits 26 credits 12 credits 2 credits
305412 305435 306311 306418 309201 309402 309431 309438 309353	Genetic Engineering Bioactive Compounds from Microorganisms General Physiology Fundamental Bioprocess Engineering Marine Biology Marine Biotoxins Water Quality Analysis Environmental Toxicology Fisheries Products Technol	3(2-3-4) m 2(2-0-4) 3(3-0-6) 3(2-3-4) 3(3-0-6) 3(2-3-4) 3(3-0-6) ogy 3(2-3-4) 3(3-0-6)	Courses	Biology Structure Students are required to m of 130 credits from the control of	take a ne following arses 30 credits 26 credits 12 credits 2 credits
305412 305435 306311 306418 309201 309402 309431 309438 309353	Genetic Engineering Bioactive Compounds from Microorganisms General Physiology Fundamental Bioprocess Engineering Marine Biology Marine Biotoxins Water Quality Analysis Environmental Toxicology Fisheries Products Technol	3(2-3-4) m 2(2-0-4) 3(3-0-6) 3(2-3-4) 3(3-0-6) 3(2-3-4) 3(3-0-6) ogy 3(2-3-4) 3(3-0-6)	Courses	Biology Structure Students are required to m of 130 credits from the state of the	take a ne following arses 30 credits 26 credits 12 credits 2 credits 30 credits

	Elective Courses	4 credits	999102	Interdisciplinary Integration	n II
	2. Area of Concentration (Courses			3(3-0-6)
		94 credits	999103	Interdisciplinary Integration	n III
	- Core Courses	29 credits			3(3-0-6)
	- Professional Courses	19 credits	Elective	Courses	4 credits
	- Major Courses	46 credits	203103	Contemporary World Affair	rs
- Major Required Courses 28 credits		28 credits			2(2-0-4)
	- Major Elective Courses	18 credits	216101	Speech for Effective	
	3. Free Elective Courses	6 credits		Communication	2(2-0-4)
1. Gene	ral Education Courses	30 credits	222102	Personality and Self	
Required Courses		26 credits		Development	2(2-0-4)
	English Group	12 credits	226101	General Economics	2(2-0-4)
Basic English		6 credits	230101	General Knowledge on Bus	siness
212101	English I	3(3-0-6)			2(2-0-4)
212102	English II	3(3-0-6)	501102	Safety in Everyday Life	2(2-0-4)
212103	English III	3(3-0-6)	2. Area	of Concentration Courses	94 credits
	English IV	3(3-0-6) 3(3-0-6)	2. Area	of Concentration Courses Core Courses	94 credits 29 credits
212104	•				
212104 Professio	English IV	3(3-0-6)	301301	Core Courses	29 credits
212104 Professio	English IV	3(3-0-6)	301301 302111	Core Courses Quality Management	29 credits 2(2-0-4)
212104 Professio	English IV nal English English for Science and Technology I	3(3-0-6) 6 credits	301301 302111 302112	Core Courses Quality Management Calculus I	29 credits 2(2-0-4) 3(3-0-6)
212104 Professio 212205	English IV nal English English for Science and Technology I	3(3-0-6) 6 credits	301301 302111 302112 303101	Core Courses Quality Management Calculus I Calculus II	29 credits 2(2-0-4) 3(3-0-6) 3(3-0-6)
212104 Professio 212205	English IV nal English English for Science and Technology I English for Science and Technology II Thai Group	3(3-0-6) 6 credits 3(2-2-5) 3(2-2-5) 2 credits	301301 302111 302112 303101 303102	Core Courses Quality Management Calculus I Calculus II Chemistry I	29 credits 2(2-0-4) 3(3-0-6) 3(3-0-6) 3(3-0-6)
212104 Professio 212205	English IV nal English English for Science and Technology I English for Science and Technology II Thai Group Thai Language Skills	3(3-0-6) 6 credits 3(2-2-5) 3(2-2-5) 2 credits 2(2-0-4)	301301 302111 302112 303101 303102 303103	Core Courses Quality Management Calculus I Calculus II Chemistry I Chemistry II	29 credits 2(2-0-4) 3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)
212104 Professio 212205 212206	English IV nal English English for Science and Technology I English for Science and Technology II Thai Group	3(3-0-6) 6 credits 3(2-2-5) 3(2-2-5) 2 credits 2(2-0-4) roup	301301 302111 302112 303101 303102 303103 306101	Core Courses Quality Management Calculus I Calculus II Chemistry I Chemistry II Chemistry Laboratory	29 credits 2(2-0-4) 3(3-0-6) 3(3-0-6) 3(3-0-6) 1(0-3-0) 3(3-0-6)
212104 Professio 212205 212206 208101	English IV nal English English for Science and Technology I English for Science and Technology II Thai Group Thai Language Skills Information Technology Group	3(3-0-6) 6 credits 3(2-2-5) 3(2-2-5) 2 credits 2(2-0-4) roup 3 credits	301301 302111 302112 303101 303102 303103 306101	Core Courses Quality Management Calculus I Calculus II Chemistry I Chemistry II Chemistry Laboratory General Biology I	29 credits 2(2-0-4) 3(3-0-6) 3(3-0-6) 3(3-0-6) 1(0-3-0) 3(3-0-6)
212104 Professio 212205 212206	English IV nal English English for Science and Technology I English for Science and Technology II Thai Group Thai Language Skills Information Technology Generated	3(3-0-6) 6 credits 3(2-2-5) 3(2-2-5) 2 credits 2(2-0-4) roup 3 credits et 3(2-2-5)	301301 302111 302112 303101 303102 303103 306101 306102	Core Courses Quality Management Calculus I Calculus II Chemistry I Chemistry II Chemistry Laboratory General Biology I	29 credits 2(2-0-4) 3(3-0-6) 3(3-0-6) 3(3-0-6) 1(0-3-0) 3(3-0-6)
212104 Professio 212205 212206 208101	English IV nal English English for Science and Technology I English for Science and Technology II Thai Group Thai Language Skills Information Technology Group	3(3-0-6) 6 credits 3(2-2-5) 3(2-2-5) 2 credits 2(2-0-4) roup 3 credits et 3(2-2-5) on Group	301301 302111 302112 303101 303102 303103 306101 306102	Core Courses Quality Management Calculus I Calculus II Chemistry I Chemistry II Chemistry Laboratory General Biology I General Biology Laborator	29 credits 2(2-0-4) 3(3-0-6) 3(3-0-6) 3(3-0-6) 1(0-3-0) 3(3-0-6) ory I 1(0-3-0)
212104 Professio 212205 212206 208101 310101	English IV nat English English for Science and Technology I English for Science and Technology II That Group That Language Skills Information Technology Generated the Internation Interdisciplinary Integration	3(3-0-6) 6 credits 3(2-2-5) 3(2-2-5) 2 credits 2(2-0-4) roup 3 credits et 3(2-2-5) on Group 9 credits	301301 302111 302112 303101 303102 303103 306101 306102 308101 308102	Core Courses Quality Management Calculus I Calculus II Chemistry I Chemistry II Chemistry Laboratory General Biology I General Biology Laborator Introductory Physics I	29 credits 2(2-0-4) 3(3-0-6) 3(3-0-6) 3(3-0-6) 1(0-3-0) 3(3-0-6) ory I 1(0-3-0) 3(3-0-6) 3(3-0-6)
212104 Professio 212205 212206 208101 310101	English IV nal English English for Science and Technology I English for Science and Technology II Thai Group Thai Language Skills Information Technology Generated	3(3-0-6) 6 credits 3(2-2-5) 3(2-2-5) 2 credits 2(2-0-4) roup 3 credits et 3(2-2-5) on Group 9 credits	301301 302111 302112 303101 303102 303103 306101 306102 308101 308102	Core Courses Quality Management Calculus I Calculus II Chemistry I Chemistry II Chemistry Laboratory General Biology I General Biology Laborator Introductory Physics I Introductory Physics II	29 credits 2(2-0-4) 3(3-0-6) 3(3-0-6) 3(3-0-6) 1(0-3-0) 3(3-0-6) ory I 1(0-3-0) 3(3-0-6) 3(3-0-6)

Professional Courses	19 credits	306322	Genetic Engineering	3(2-3-4)
Organic Chemistry	3(3-0-6)	306323	Cytogenetics	3(2-3-4)
Organic Chemistry Labora	tory	306332	Invertebrate Zoology	3(2-3-4)
	1(0-3-0)	306333	Vertebrate Zoology	3(2-3-4)
Analytical Chemistry	3(3-0-6)	306334	Histology	3(2-3-4)
Analytical Chemistry Labor	atory	306335	Animal Taxonomy	3(2-3-4)
	1(0-3-0)	306336	Animal Behavior	3(3-0-6)
Introductory Microbiology	4(3-3-6)	306337	Embryology	3(2-3-4)
Biostatistics	3(3-0-6)	306338	General Parasitology	3(2-3-4)
General Biochemistry	3(3-0-6)	306339	Entomology	3(2-3-4)
General Biochemistry Lab	oratory	306342	Morphology of Plants	3(2-3-4)
	1(0-3-0)	306343	Plant Anatomy	3(2-3-4)
Major Courses	46 credits	306344	Plant Taxonomy	3(2-3-4)
equired Courses	28 credits	306345	Horticulture	3(2-3-4)
Ecology	3(2-3-4)	306346	Plant Pathology	3(2-3-4)
Cell Biology	3(3-0-6)	306347	Weeds and Weed Control	3(2-3-4)
Zoology	3(2-3-4)	306348	Ornamental Plant and Lands	scape
Botany	3(2-3-4)			3(2-3-4)
Developmental Biology	3(2-3-4)	306349	Economic Crops	3(3-0-6)
Genetics	3(2-3-4)	306361	Principles of Biological Con	ntrol
Animal Physiology	3(2-3-4)			3(3-0-6)
Plant Physiology	3(2-3-4)	306411	Molecular Biology	3(3-0-6)
Seminar in Biology I	1(0-2-1)	306412	Biotechnology	3(2-3-4)
Seminar in Biology II	1(0-2-1)	306416	Selected Topics in Biology	2(2-0-4)
Biology Projects	2(0-4-2)	306417	Plant Propagation	3(2-3-4)
lective Courses	18 credits	306418	Fundamental Bioprocess	
Biotechniques	3(2-3-4)		Engineering	3(2-3-4)
Microtechniques	3(2-3-4)	306419	Advanced Practical Micro	scopy
Planktonology	3(2-3-4)			3(2-3-4)
Tropical Pests	3(2-3-4)	306422	Principles of Evolution	3(3-0-6)
Medical Entomology	3(2-3-4)			
Scientific Picture	2(1-3-2)			
	Organic Chemistry Organic Chemistry Labora Analytical Chemistry Labora Introductory Microbiology Biostatistics General Biochemistry General Biochemistry Lab Major Courses Lequired Courses Ecology Cell Biology Zoology Botany Developmental Biology Genetics Animal Physiology Plant Physiology Seminar in Biology I Seminar in Biology II Biology Projects Elective Courses Biotechniques Microtechniques Planktonology Tropical Pests Medical Entomology	Organic Chemistry 3(3-0-6) Organic Chemistry Laboratory 1(0-3-0) Analytical Chemistry Laboratory 1(0-3-0) Introductory Microbiology 4(3-3-6) Biostatistics 3(3-0-6) General Biochemistry Jaboratory 1(0-3-0) General Biochemistry Laboratory 1(0-3-0) Major Courses 46 credits equired Courses 28 credits Ecology 3(2-3-4) Cell Biology 3(3-0-6) Zoology 3(2-3-4) Botany 3(2-3-4) Botany 3(2-3-4) Genetics 3(2-3-4) Animal Physiology 3(2-3-4) Plant Physiology I 1(0-2-1) Seminar in Biology II 1(0-2-1) Biology Projects 2(0-4-2) Elective Courses 18 credits Biotechniques 3(2-3-4) Planktonology 3(2-3-4) Planktonology 3(2-3-4) Planktonology 3(2-3-4) Tropical Pests 3(2-3-4) Medical Entomology 3(2-3-4)	Organic Chemistry 3(3-0-6) 306323 Organic Chemistry Laboratory 306332	Organic Chemistry 3(3-0-6) 306323 Cytogenetics Organic Chemistry Laboratory 306332 Invertebrate Zoology 1(0-3-0) 306333 Vertebrate Zoology Analytical Chemistry 3(3-0-6) 306334 Histology Analytical Chemistry Laboratory 306335 Animal Taxonomy 1(0-3-0) 306336 Animal Behavior Introductory Microbiology 4(3-3-6) 306337 Embryology Biostatistics 3(3-0-6) 306338 General Parasitology General Biochemistry 3(3-0-6) 306339 Entomology General Biochemistry Laboratory 306342 Morphology of Plants 1(0-3-0) 306343 Plant Anatomy Major Courses 46 credits 306344 Plant Taxonomy equired Courses 28 credits 306345 Horticulture Ecology 3(2-3-4) 306346 Plant Pathology Cell Biology 3(3-0-6) 306347 Weeds and Weed Control Zoology 3(2-3-4) 306348 Ornamental Plant and Lands Botany 3(2-3-4) 306349 Economic Crops Genetics 3(2-3-4) 306349 Economic Crops Genetics 3(2-3-4) 306341 Molecular Biology Genetics 3(2-3-4) 306412 Biotechnology Seminar in Biology II 1(0-2-1) 306412 Biotechnology Seminar in Biology II 1(0-2-1) 306416 Selected Topics in Biology Biology Projects 2(0-4-2) 306417 Plant Propagation Exercise Courses 18 credits 306418 Fundamental Bioprocess Biotechniques 3(2-3-4) 306419 Advanced Practical Micro Planktonology 3(2-3-4) 306420 Principles of Evolution Medical Entomology 3(2-3-4)

306423	Basic Techniques in Mol	ecular	Bac	chelor of Science Prog	ram in
	Biology	3(2-3-4)		Chemistry	,
306431	Economic Entomology	3(2-3-4)	Courses	Structure	
306432	Endocrinology	3(2-3-4)	Courses		4 - 4 -1
306433	Ornithology	3(2-3-4)		Students are required	
306434	Protozoology	3(2-3-4)	sections	m of 130 credits from the	ne ionowing
306435	Malacology	3(2-3-4)	Sections	General Education Co	
306436	Ichthyology	3(2-3-4)		1. General Education Co	
306437	Comparative Anatomy	3(2-3-4)		Required Courses	30 credits 26 credits
306438	Acarology	3(2-3-4)		·	
306441	Plant Ecology	3(2-3-4)		English GroupThai Group	12 credits 2 credits
306442	Aquatic Plants	3(2-3-4)		- Information Techn	
306443	Phycology	3(2-3-4)		Group	3 credits
306444	General Mycology	3(2-3-4)		- Interdisciplinary	
306445	Principles of Plants Breeding	ng		Group	9 credits
		3(2-3-4)		Elective Courses	4 credits
306446	Plant Growth and Develop	nent		2. Area of Concentrati	
		3(2-3-4)		2. Area of Concentrati	94 credits
306447	Plants Tissue Culture	3(2-3-4)		- Core Courses	29 credits
306448	General Medicinal Plants	3(2-3-4)		- Major Required	
306449	Plants Hormones	3(2-3-4)		•	50 credits
306450	Plant Response to Physica	al		- Major Elective C	
	Environment	3(2-3-4)		Major Elective C	15 credits
3. Free	Elective Courses	6 credits		3. Free Elective Courses	6 credits
	Students may take at lea	st 6 credits	1. Gene	ral Education Courses	30 credits
as free	elective credits from cour	ses provided	Require	ed Courses	26 credits
at Bura	pha University or other	universities	-	English Group	12 credits
both in	Thailand and abroad to o	complete the	Basic En	glish	6 credits
graduatio	on requirement.		212101	English I	3(3-0-6)
			212102	English II	3(3-0-6)
			212103	English III	3(3-0-6)

				·	
212104	English IV	3(3-0-6)	2. Area	of Concentration Courses	94 credits
Profession	nal English	6 credits		Core Courses	29 credits
212205	English for Science and		301301	Quality Management	2(2-0-4)
	Technology I	3(2-2-5)	302111	Calculus I	3(3-0-6)
212206	English for Science and		302112	Calculus II	3(3-0-6)
	Technology II	3(2-2-5)	303101	Chemistry I	3(3-0-6)
	Thai Group	2 credits	303102	Chemistry II	3(3-0-6)
208101	Thai Language Skills	2(2-0-4)	303103	Chemistry Laboratory	1(0-3-0)
	Information Technology Gr	oup	306101	General Biology I	3(3-0-6)
		3 credits	306102	General Biology Laborator	ry I
310101	Computer and the Interne	t 3(2-2-5)			1(0-3-0)
	Interdisciplinary Integration	on Group	308101	Introductory Physics I	3(3-0-6)
		9 credits	308102	Introductory Physics II	3(3-0-6)
999101	Interdisciplinary Integration	n I	308103	Introductory Physics Labora	atory I
	•	3(3-0-6)			1(0-3-0)
999102	Interdisciplinary Integration	n II	312201	Elementary Statistics	3(3-0-6)
		3(3-0-6)		Professional Courses	50 credits
999103	Interdisciplinary Integration	n III	302222	Organic Chemistry I	3(3-0-6)
		3(3-0-6)	303223	Organic Chemistry Laborat	огу I
Elective	Courses	4 credits			1(0-3-0)
203103	Contemporary World Affa	airs	303224	Organic Chemistry II	3(3-0-6)
		2(2-0-4)	303232	Physical Chemistry I	3(3-0-6)
216101	Speech for Effective Comm	nunication	303233	Physical Chemistry Labora	tory I
		2(2-0-4)			1(0-3-0)
222102	Personality and Self Dev	elopment	303240	Qualitative Inorganic Ana	lysis
		2(2-0-4)		Laboratory	1(0-3-0)
226101	General Economics	2(2-0-4)	303241	Inorganic Chemistry I	3(3-0-6)
230101	General Knowledge on Bu	siness	303252	Analytical Chemistry I	3(3-0-6)
		2(2-0-4)	303253	Analytical Chemistry Lab	oratory I
501102	Safety in Everyday Life	2(2-0-4)			2(0-6-0)

303321	Spectroscopy of Organic		303429	Selected Topics in Organi	c
	Compounds	3(3-0-6)		Chemistry	2(2-0-4)
303322-	Organic Chemistry III	3(3-0-6)	303431	Quantum Chemistry	2(2-0-4)
303323	Organic Chemistry Laborate	ory II	303432	Surface Chemistry	2(2-0-4)
		2(0-6-0)	303439	Selected Topics in Physics	al
303331	Physical Chemistry II	3(3-0-6)		Chemistry	2(2-0-4)
303332	Physical Chemistry Laborat	tory II	303441	Organometallic Chemistry	2(2-0-4)
		1(0-3-0)	303442	Spectroscopy of Inorganic	
303333	Physical Chemistry III	3(3-0-6)		Compounds	2(2-0-4)
303341	Inorganic Chemistry II	3(3-0-6)	303443	Bioinorganic Chemistry	2(2-0-4)
303342	Inorganic Chemistry III	3(3-0-6)	303449	Selected Topics in Inorga	nic
303343	Inorganic Chemistry Labora	atory		Chemistry	2(2-0-4)
		1(0-3-0)	303451	Chemical Separations	2(2-0-4)
303351	Analytical Chemistry II	3(3-0-6)	303452	Chemical Analysis on	
303352	Analytical Chemistry			Microchip	2(2-0-4)
	Laboratory II	2(0-6-0)	303459	Selected Topics in Analyt	ical
303491	Chemistry Seminar	1(0-2-1)		Chemistry	2(2-0-4)
303492	Chemistry Projects	2(0-6-0)	303471	Chemical Literature	2(2-0-4)
	Major Required Courses	15 credits	303472	Nuclear Chemistry	2(2-0-4)
302217	Calculus III and Different	ial	303473	Applied Electrochemistry	2(2-0-4)
	Equations	3 (3-0-6)	303474	Polymer Chemistry	2(2-0-4)
303391	Computer for Chemistry	1(0-3-0)	303476	Pharmaceutical Chemistry	2(2-0-4)
303392	Computational Chemistry	2(1-2-3)	303477	Cosmetic Chemistry	2(2-0-4)
303421	Stereochemistry	2(2-0-4)	303478	Polymer Technology	2(2-0-4)
303422	Natural Products	2(1-3-2)	303479	Rubber Technology	2(2-0-4)
303423	Organic Synthesis	2(2-0-4)	303481	Industrial Chemistry	2(2-0-4)
303424	Organic Chemistry Laborat	ory III	303482	Special Topics in Industri	al
		2(0-6-0)		Chemistry	2(2-0-4)
303425	Photochemistry	2(2-0-4)	303483	Petroleum Chemistry	2(2-0-4)
303426	Forensic Science	2(1-3-2)	303484	Industrial Catalysis	2(2-0-4)
			310221	FORTRAN Programming	3(2-2-5)

311302 General Food Chemistry	2(2-0-4)		- Professional Course	es 3 credits
316201 General Biochemistry	3(3-0-6)		- Major Courses	67 credits
316221 General Biochemistry Lab	ooratory		3. Free Elective Courses	6 credits
	1(0-3-0)	1. Gene	eral Education Courses	30 credits
316454 Biopolymer	2(2-0-4)	Requir	ed Courses	26 credits
3. Free Elective Courses	6 credits		English Group	12 credits
Students may take at lea	ast 6 credits	Basic Er	nglish	6 credits
as free elective credits from cour	rses provided	212101	English I	3(3-0-6)
at Burapha University or other	universities	212102	English II	3(3-0-6)
both in Thailand and abroad to o	complete the	212103	English III	3(3-0-6)
graduation requirement.		212104	English IV	3(3-0-6)
		Professio	nal English	6 credits
Bachelor of Science Prog	ram in	212205	English for Science and	
Computer Science			Technology I	3(2-2-5)
-		212206	English for Science and	
Courses Structure	ales a		Technology II	3(2-2-5)
Students are required to t			Thai Group	2 credits
minimum of 135 credits from the	ioliowing	208101	Thai Language Skills	2(2-0-4)
sections:			Information Technology Gr	oup
1. General Education Cou				3 credits
	30 credits	310101	Computer and the Interne	t 3(2-2-5)
Required Courses	26 credits		Interdisciplinary Integration	n
.	12 credits		Group	9 credits
- Thai Group	2 credits	999101	Interdisciplinary Integratio	n I
- Information Technolog				3(3-0-6)
Group	3 credits	999102	Interdisciplinary Integratio	n II
- Interdisciplinary Integ				3(3-0-6)
Group	9 credits	999103	Interdisciplinary Integratio	n III
Elective Courses	4 credits			3(3-0-6)
2. Area of Concentration		Elective	Courses	4 credits
	99 credits	203103	Contemporary World Affa	irs
- Core Courses	29 credits			2(2-0-4)

216101	Speech for Effective		310214	Data Structures and Algorith	ms
	Communication	2(2-0-4)			3(3-0-6)
222102	Personality and Self		310231	Computer Organization	3(2-2-5)
	Development	2(2-0-4)	310232	Unix Tools and Programm	ing
226101	General Economics	2(2-0-4)			3(2-2-5)
230101	General Knowledge on Bus	iness	310312	System Analysis and Design	3(3-0-6)
		2(2-0-4)	310313	Software Engineering	3(3-0-6)
501102	Safety in Everyday Life	2(2-0-4)	310323	Principles of Programming	
2. Area	of Concentration Courses	s 99 credits		Languages	3(3-0-6)
	Core Courses	29 credits	310324	Object-Oriented Programm	ing
301301	Quality Management	2(2-0-4)			3(2-3-4)
302111	Calculus I	3(3-0-6)	310341	Database Systems	3(3-0-6)
302112	Calculus II	3(3-0-6)	310351	Theory of Computation	3(3-0-6)
303101	Chemistry I	3(3-0-6)	310352	Introduction to Artificial	
303102	Chemistry II	3(3-0-6)		Intelligence	3(3-0-6)
303103	Chemistry Laboratory	1(0-3-0)	310491	Computer Science Seminar	1(0-3-0)
306101	General Biology I	3(3-0-6)	310492	Computer Projects	2(0-6-0)
306102	General Biology Laborato	ory I		Major Elective Courses	24 credits
		1(0-3-0)	302221	Caiculus III	3(3-0-6)
308101	Introductory Physics I	3(3-0-6)	310311	Information Storage and Re	trieval
308102	Introductory Physics II	3(3-0-6)			3(3-0-6)
308103	Introductory Physics Labo	ratory I	310331	Operating Systems	3(3-0-6)
		1(0-3-0)	310332	Introduction to System	
312201	Elementary Statistics	3(3-0-6)		Programming	3(3-0-6)
	Professional Courses	3 credits	310333	Microcomputer and	
302232	Linear Algebra I	3(2-3-4)		Microprocessors	3(2-2-5)
	Major Courses	67 credits	310353	Knowledge-Base Systems	3(3-0-6)
Major l	Required Courses	43 credits	310354	Graphics Programming	3(2-2-5)
310211	Computer Programming	3(2-2-5)	310361	Data Communications and	i
310212	Introduction to Computer	Science		Computer Networks I	3(2-2-5)
		4(4-0-8)	310371	Internet Technology	3(3-0-6)
310213	Discrete Structure	3(3-0-6)			

310372	Internet Information Serv	ices	321412	The Human Computer	
		3(3-0-6)		Interaction	3(3-0-6)
310411	Object-Oriented Analysis		321442	Office Information Systems	S
	and Design	3(3-0-6)			3(3-0-6)
310431	Computer Logic Design	3(2-2-5)	321483	Multimedia Technology	
310432	Microcomputer Interfacing	g 3(2-2-5)		Presentation	3(2-2-5)
310433	Compiler Construction	3(3-0-6)	321446	Decision Support Systems	3(3-0-6)
310434	System Administration	3(3-0-6)	321483	Multimedia Technology	
310435	Introduction to Distributed	d		Presentation	3(2-2-5)
	Systems	3(3-0-6)	3. Free	Elective Courses	6 credits
310451	Numerical Computing	3(3-0-6)		Students may take at lea	st 6 credits
310452	Introduction to Artificial	Neural	as free	elective credits from cour	ses provided
	Networks	3(3-0-6)	at Bura	pha University or other	universities
310453	Introduction to Digital Im	nage	both in	Thailand and abroad to c	omplete the
	Processing	3(3-0-6)	graduatio	on requirement.	
310454	Systems Simulation and				
	Modeling	3(3-0-6)	Bac	helor of Science Prog	ram in
310455	Modeling Expert Systems	3(3-0-6) 3(3-0-6)	Bac	helor of Science Progr	ram in
	_	3(3-0-6)		J	ram in
	Expert Systems	3(3-0-6)		Food Science Structure	
310461	Expert Systems Data Communications and	3(3-0-6)	Courses	Food Science Structure Students are required to t	ake a
310461 310462	Expert Systems Data Communications and Computer Networks II	3(3-0-6) i 3(3-0-6)	Courses	Food Science Structure Students are required to to of 135 credits from the	ake a
310461 310462 310471 310482	Expert Systems Data Communications and Computer Networks II Network Management Electronic Commerce Client-Server Computing	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)	Courses	Food Science Structure Students are required to to of 135 credits from the	ake a following
310461 310462 310471 310482	Expert Systems Data Communications and Computer Networks II Network Management Electronic Commerce Client-Server Computing Selected Topics in Comput	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)	Courses	Food Science Structure Students are required to to of 135 credits from the	ake a following
310461 310462 310471 310482	Expert Systems Data Communications and Computer Networks II Network Management Electronic Commerce Client-Server Computing	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)	Courses	Food Science Structure Students are required to to of 135 credits from the	ake a following rrses
310461 310462 310471 310482 310493	Expert Systems Data Communications and Computer Networks II Network Management Electronic Commerce Client-Server Computing Selected Topics in Computations Science I Selected Topics in Computations	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6) atter 3(3-0-6)	Courses	Food Science Structure Students are required to to no of 135 credits from the	ake a following rses 30 credits
310461 310462 310471 310482 310493	Expert Systems Data Communications and Computer Networks II Network Management Electronic Commerce Client-Server Computing Selected Topics in Computation Science I Selected Topics in Computation Science II	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6) atter 3(3-0-6)	Courses	Food Science Structure Students are required to to no of 135 credits from the 1. General Education Courses	ake a following rses 30 credits 26 credits
310461 310462 310471 310482 310493	Expert Systems Data Communications and Computer Networks II Network Management Electronic Commerce Client-Server Computing Selected Topics in Computations Science I Selected Topics in Computations	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6) atter 3(3-0-6)	Courses	Food Science Structure Students are required to to a first of 135 credits from the first of 1. General Education Courses - English Group	ake a following arses 30 credits 26 credits 12 credits 2 credits
310461 310462 310471 310482 310493 310494	Expert Systems Data Communications and Computer Networks II Network Management Electronic Commerce Client-Server Computing Selected Topics in Computation Science I Selected Topics in Computation Science II	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6) atter 3(3-0-6) atter 3(2-2-5) 3(3-0-6) Systems	Courses	Food Science Structure Students are required to to a of 135 credits from the 1. General Education Courses Required Courses - English Group - Thai Group	ake a following arses 30 credits 26 credits 12 credits 2 credits
310461 310462 310471 310482 310493 310494	Expert Systems Data Communications and Computer Networks II Network Management Electronic Commerce Client-Server Computing Selected Topics in Computation Science I Selected Topics in Computation Science II Operation Research	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6) atter 3(3-0-6) atter 3(2-2-5) 3(3-0-6)	Courses	Food Science Structure Students are required to to a of 135 credits from the 1. General Education Courses Required Courses - English Group - Thai Group - Information Techn	ake a following rses 30 credits 26 credits 12 credits 2 credits ology 3 credits
310461 310462 310471 310482 310493 310494	Expert Systems Data Communications and Computer Networks II Network Management Electronic Commerce Client-Server Computing Selected Topics in Computation Science I Selected Topics in Computation Science II Operation Research	3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6) atter 3(3-0-6) atter 3(2-2-5) 3(3-0-6) Systems	Courses	Food Science Structure Students are required to to no of 135 credits from the 1. General Education Courses Required Courses - English Group - Thai Group - Information Technologoup	ake a following rses 30 credits 26 credits 12 credits 2 credits ology 3 credits

	Elective Courses	4 credits	999103	Interdisciplinary Integration	n III
	2. Area of Concentration	Courses			3(3-0-6)
		99 credits	Elective	Courses	4 credits
	- Core Courses	29 credits	203103	Contemporary World Affai	rs
	- Professional Course	es 26 credits			2(2-0-4)
	- Major Courses	44 credits	216101	Speech for Effective	
	3. Free Elective Courses	6 credits		Communication	2(2-0-4)
1. Gene	eral Education Courses	30 credits	222102	Personality and Self	
Requir	ed Courses	26 credits		Development	2(2-0-4)
	English Group	12 credits	226101	General Economics	2(2-0-4)
Basic En	glish	6 credits	230101	General Knowledge on	•
212101	English I	3(3-0-6)		Business	2(2-0-4)
212102	English II	3(3-0-6)	501102	Safety in Everyday Life	2(2-0-4)
212103	English III	3(3-0-6)	2. Area	of Concentration Course	s 99 credits
212104	English IV	3(3-0-6)		Core Courses	29 credits
Professio	nal English	6 credits	301301	Quality Management	2(2-0-4)
212205	English for Science and		302111	Calculus I	3(3-0-6)
	Technology I	3(2-2-5)	302112	Calculus II	3(3-0-6)
212206	English for Science and		303101	Chemistry I	3(3-0-6)
	Technology II	3(2-2-5)	303102	Chemistry II	3(3-0-6)
	Thai Group	2 credits	303103	Chemistry Laboratory	3(3-0-6)
208101	2 0	2(2-0-4)	306101	General Biology I	3(3-0-6)
	Information Technology Gr	_	306102	General Biology Laborato	ory I
• • • • • • • • • • • • • • • • • • • •		3 credits			1(0-3-0)
310101	•		308101	Introductory Physics I	3(3-0-6)
	Interdisciplinary Integratio	n Group 9 credits	308102	Introductory Physics II	3(3-0-6)
999101	Interdisciplinary Integratio		308103	Introductory Physics	
<i>555</i> 101	merdiscipiniary megrano	3(3-0-6)		Laboratory I	1(0-3-0)
999102	Interdisciplinary Integratio		312201	Elementary Statistics	3(3-0-6)
JJJ102	interdisciplinary integratio	3(3-0-6)			
		2(2-0-0)			

	Professional Courses	26 credits	311491	Seminar	1(1-0-2)
303220	Organic Chemistry	3(3-0-6)	311492	Research Techniques	1(1-0-2)
303221	Organic Chemistry Labora	tory	311493	Special Problems	2(0-6-0)
		1(0-3-0)	Major E	Elective Courses	6 credits
303230	Physical Chemistry	3(0-3-6)	311471	Bakery Technology	3(2-3-4)
303231	Physical Chemistry Labora	itory	311472	Technology of Meat, Poul	itry
		1(0-3-0)		and Products	3(2-3-4)
303250	Analytical Chemistry	3(3-0-6)	311473	Fruit and Vegetable Techn	nology
303251	Analytical Chemistry				3(2-3-4)
	·Laboratory	1(0-3-0)	311474	Dairy Technology	3(2-3-4)
316201	General Biochemistry	3(3-0-6)	311475	Fishery Product Technolog	зу
316221	General Biochemistry		311476	Technology of Edible Fat	
	Laboratory	1(0-3-0)		and Oil	3(2-3-4)
316311	Biochemistry I	3(3-0-6)	311477	Non-Alcoholic Beverage	
305201	Introductory Microbiology	4(3-3-6)		Technology	3(2-3-4)
312202	Biostatistics	3(3-0-6)	311478	Alcoholic Beverage Techn	ology
	Major Courses	77 credits			3(2-3-4)
Major I	Required Courses	38 credits	311479	Confectionery Technology	3(2-3-4)
311311	Food and Nutrition	3(3-0-6)	311481	Cereal Technology	3(2-3-4)
311321	Food Processing I	3(2-3-4)	311482	Egg Science and Technological	ogy
311322	Food Processing II	3(2-3-4)	311483	Food Packaging	3(2-3-4)
311331	Food Engineering I	3(2-3-4)	311484	Food Product Developmen	nt
311341	Food Analysis	3(2-3-4)	311485	Selected Topics in Food	Science
311342	Food Chemistry	4(3-3-6)		and Technology	3(3-0-6)
311362	Food Plant Sanitation	2(2-0-4)	311486	Ethics of Food Scientist	2(2-0-4)
611363	Food Quality Assurance	3(2-3-4)	3. Free	Elective Courses	6 credits
311423	Food Processing III	2(2-0-4)		Students may take at lea	st 6 credits
311432	Food Engineering II	3(2-3-4)	as free	elective credits from cour	rses provided
311451	Food Microbiology	4(3-3-6)	at Bur	apha University or other	universities
311461	Food Legislation and		both in	Thailand and abroad to	complete the
	Standardization	1(1-0-2)	graduati	ion requirement.	

Bachelor of Science Pro	oram in	Professio	onal English	6 credits
•	P	212205	English for Science and	
Mathematics			Technology I	3(2-2-5)
Courses Structure		212206	English for Science and	
Students are required to			Technology II	3(2-2-5)
minimum of 130 credits from the	e following		Thai Group	2 credits
sections:		208101	Thai Language Skills	2(2-0-4)
1.General Education Co	urses		Information Technology G	roup
	30 credits		<u></u>	3 credits
Required Courses	26 credits	310101	Computer and the Interne	et 3(2-2-5)
- English Group	12 credits		Interdisciplinary Integration	on Group
- Thai Group	2 credits		•	9 credits
- Information Technol	ogy	999101	Interdisciplinary Integration	on I
Group	3 credits			3(3-0-6)
- Interdisciplinary Inte	gration	999102	Interdisciplinary Integration	n II
Group	9 credits			3(3-0-6)
Elective Courses	4 credits	999103	Interdisciplinary Integration	
2. Area of Concentration	tion Courses		. , ,	3(3-0-6)
	94 credits	Elective	: Courses	4 credits
- Core Courses	29 credits		Contemporary World Affai	
- Professional Courses	6 credits	216101	• •	
- Major Courses	59 credits		Communication	2(2-0-4)
3. Free Elective Courses	6 credits	222102	Personality and Self	_(= 0 .)
1. General Education Courses	30 credits		Development	2(2-0-4)
Required Courses	26 credits	226101	General Economics	2(2-0-4)
English Group	12 credits	230101	General Knowledge on	
Basic English	6 credits		Business	2(2-0-4)
212101 English I	3(3-0-6)	501102	Safety in Everyday Life	•
212102 English II	3(3-0-6)		of Concentration Cours	
212103 English III	3(3-0-6)		Core Courses	29 credits
212104 English IV	3(3-0-6)	301301	Quality Management	2(2-0-4)
		302111	Calculus I	3(3-0-6)

302112	Calculus II	3(3-0-6)	Major E	lective Courses	29 credits
303101	Chemistry I	3(3-0-6)	302319	Introduction to Complex	Variables
303102	Chemistry II	3(3-0-6)			3(3-0-6)
303103	Chemistry Laboratory	1(0-3-0)	302324	Advanced Calculus	3(3-0-6)
306101	General Biology I	3(3-0-6)	302336	Survey of Geometry	3(3-0-6)
306102	General Biology Laborato	ry I	302342	Theory of Numbers	3(3-0-6)
		1(0-3-0)	302343	Set Theory	3(3-0-6)
308101	Introductory Physics I	3(3-0-6)	302434	Linear Algebra II	3(3-0-6)
308102	Introductory Physics II	3(3-0-6)	302435	Abstract Algebra II	3(3-0-6)
308103	Introductory Physics Labor	atory I	302437	Non-Euclidean Geometry	3(3-0-6)
		1(0-3-0)	302438	Projective Geometry	3(3-0-6)
312201	Elementary Statistics	3(3-0-6)	302444	Introduction to Mathemati	cal
	Professional Courses	6 credits		Logics	3(3-0-6)
310222	C Programming	3(2-3-4)	302445	History of Mathematics	3(3-0-6)
312211	Statistical Methods	3(3-0-6)	302446	Introduction of Topology	3(3-0-6)
	Major Courses	59 credits	302452	Probability Theory	3(3-0-6)
Major R	Major Courses equired Courses	59 credits 30 credits	302452 302474	·	•
-	_				•
-	equired Courses	30 credits	302474		3(3-0-6)
302202 302221	equired Courses Mathematical Computing	30 credits 2(1-2-3)	302474	Introduction to Real Analys	3(3-0-6)
302202 302221 302232	equired Courses Mathematical Computing Calculus III	30 credits 2(1-2-3) 3(3-0-6) 3(3-0-6)	302474	Introduction to Real Analys	3(3-0-6) ns 3(3-0-6)
302202 302221 302232 302241	equired Courses Mathematical Computing Calculus III Linear Algebra I	30 credits 2(1-2-3) 3(3-0-6) 3(3-0-6) 3(3-0-6)	302474 302484	Introduction to Real Analys Partial Differential Equation	3(3-0-6) ns 3(3-0-6)
302202 302221 302232 302241	equired Courses Mathematical Computing Calculus III Linear Algebra I Principles of Mathematics	30 credits 2(1-2-3) 3(3-0-6) 3(3-0-6) 3(3-0-6)	302474 302484	Introduction to Real Analys Partial Differential Equation Special Topics in Mathematic	3(3-0-6) ons 3(3-0-6) tics
302202 302221 302232 302241 302251	equired Courses Mathematical Computing Calculus III Linear Algebra I Principles of Mathematics Elementary Probability and	30 credits 2(1-2-3) 3(3-0-6) 3(3-0-6) d 3(3-0-6)	302474 302484 302491	Introduction to Real Analys Partial Differential Equation Special Topics in Mathematics Mathematics of Finance	3(3-0-6) ons 3(3-0-6) tics 3(3-0-6) 3(3-0-6)
302202 302221 302232 302241 302251	equired Courses Mathematical Computing Calculus III Linear Algebra I Principles of Mathematics Elementary Probability and Applications	30 credits 2(1-2-3) 3(3-0-6) 3(3-0-6) d 3(3-0-6)	302474 302484 302491 302382 302383	Introduction to Real Analys Partial Differential Equation Special Topics in Mathemat Mathematics of Finance	3(3-0-6) ons 3(3-0-6) tics 3(3-0-6) 3(3-0-6)
302202 302221 302232 302241 302251 302281	equired Courses Mathematical Computing Calculus III Linear Algebra I Principles of Mathematics Elementary Probability and Applications	30 credits 2(1-2-3) 3(3-0-6) 3(3-0-6) d 3(3-0-6) ations	302474 302484 302491 302382 302383 302475	Introduction to Real Analys Partial Differential Equation Special Topics in Mathemat Mathematics of Finance Mathematics of Insurance	is 3(3-0-6) ins 3(3-0-6) tics 3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)
302202 302221 302232 302241 302251 302281	equired Courses Mathematical Computing Calculus III Linear Algebra I Principles of Mathematics Elementary Probability and Applications Ordinary Differential Equa	30 credits 2(1-2-3) 3(3-0-6) 3(3-0-6) d 3(3-0-6) ations 3(3-0-6)	302474 302484 302491 302382 302383 302475	Introduction to Real Analysis Partial Differential Equation Special Topics in Mathematics Mathematics of Finance Mathematics of Insurance Numerical Analysis II	is 3(3-0-6) ins 3(3-0-6) tics 3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)
302202 302221 302232 302241 302251 302281	Mathematical Computing Calculus III Linear Algebra I Principles of Mathematics Elementary Probability and Applications Ordinary Differential Equal	30 credits 2(1-2-3) 3(3-0-6) 3(3-0-6) d 3(3-0-6) ations 3(3-0-6) 3(3-0-6)	302474 302484 302491 302382 302383 302475 302485	Introduction to Real Analysis Partial Differential Equation Special Topics in Mathematics Mathematics of Finance Mathematics of Insurance Numerical Analysis II	3(3-0-6) ms 3(3-0-6) tics 3(3-0-6) 3(3-0-6) 3(3-0-6) ions 3(3-0-6)
302202 302221 302232 302241 302251 302281 302333 302371	Mathematical Computing Calculus III Linear Algebra I Principles of Mathematics Elementary Probability and Applications Ordinary Differential Equal Abstract Algebra I Vector Analysis Mathematical Analysis	30 credits 2(1-2-3) 3(3-0-6) 3(3-0-6) d 3(3-0-6) ations 3(3-0-6) 3(3-0-6) 3(3-0-6)	302474 302484 302491 302382 302383 302475 302485	Introduction to Real Analysis Partial Differential Equation Special Topics in Mathematics Mathematics of Finance Mathematics of Insurance Numerical Analysis II Graph Theory and Applicate	3(3-0-6) ms 3(3-0-6) tics 3(3-0-6) 3(3-0-6) 3(3-0-6) ions 3(3-0-6)
302202 302221 302232 302241 302251 302281 302333 302371 302372	equired Courses Mathematical Computing Calculus III Linear Algebra I Principles of Mathematics Elementary Probability and Applications Ordinary Differential Equal Abstract Algebra I Vector Analysis Mathematical Analysis	30 credits 2(1-2-3) 3(3-0-6) 3(3-0-6) d 3(3-0-6) ations 3(3-0-6) 3(3-0-6) 3(3-0-6) 3(3-0-6)	302474 302484 302491 302382 302383 302475 302485	Introduction to Real Analysis Partial Differential Equation Special Topics in Mathematics Mathematics of Finance Mathematics of Insurance Numerical Analysis II Graph Theory and Applicate Introduction to Combinate	3(3-0-6) sis 3(3-0-6) stics 3(3-0-6) 3(3-0-6) 3(3-0-6) sions 3(3-0-6) orics 3(3-0-6)

310211	Computer Programming	3(2-2-5)	both in Thailand and abroad to co	omplete the
310213	Discrete Structures	3(3-0-6)	graduation requirement.	
310214	Data Structures and Algorit	hms		
		3(3-0-6)	Bachelor of Science Progr	am in
310312	Systems Analysis and De	sign	Medical Science	
		3(3-0-6)	Courses Structure	
310321	Visual BASIC Programmi	ng		-1
		3(2-2-5)	Students are required to ta	
310351	Theory of Computation	3(3-0-6)	minimum of 135 credits from the i	ollowing
3.10371	Internet Technology	3(3-0-6)	sections:	
312321	Mathematical Statistics I	3(3-0-6)	1.General Education Cours	
312322	Mathematical Statistics II	3(3-0-6)		30 credits
312341	Sampling Techniques	3(3-0-6)	Required Courses	26 credits
312342	Experimental Designs	3(3-0-6)	- English Group	12 credits
312343	Regression Analysis	3(3-0-6)	- Thai Group	2 credits
312344	Quality Control	3(3-0-6)	- Information Technolog	
312345	Non-Parametric Statistics	3(3-0-6)		3 credits
312346	Decision Theory	3(3-0-6)	- Interdisciplinary Integr	
312347	Time Series and Index N	umbers	Group	9 credits
		3(3-0-6)	Elective Courses	4 credits
312351	Operation Research I	3(3-0-6)	2. Area of Concentratio	n Courses
312352	Operation Research II	3(3-0-6)		99 credits
312353	Applied Stochastic Proces	ses	- Core Courses	29 credits
		3(3-0-6)	- Professional Courses	15 credits
312354	Linear Programming	3(3-0-6)	- Major Courses	55 credits
312355	Non-Linear Programming	3(3-0-6)	3. Free Elective Courses	6 credits
312456	Simulation	3(3-0-6)	1. General Education Courses	30 credits
3. Free	Elective Courses	6 credits	Required Courses	26 credits
	Students may take at lea	st 6 credits	English Group	12 credits
as free	elective credits from cour	ses provided	Basic English	6 credits
at Bura	pha University or other	universities	212101 English I	3(3-0-6)
			212102 English II	3(3-0-6)

212103	English III	3(3-0-6)	2. Area	of Concentration Cours	ses
212104	English IV	3(3-0-6)		Core Courses	29 credits
Professio	nal English	6 credits	301301	Quality Management	2(2-0-4)
212205	English for Science and		302111	Calculus I	3(3-0-6)
Tech	nnològy I	3(2-2-5)	302112	Calculus II	3(3-0-6)
212206	English for Science and		303101	Chemistry I	3(3-0-6)
Tecl	nnology II	3(2-2-5)	303102	Chemistry II	3(3-0-6)
	Thai Group	2 credits	303103	Chemistry Laboratory	1(0-3-0)
208101	Thai Language Skills	2(2-0-4)	306101	General Biology I	3(3-0-6)
	Information Technology Gr	oup	306102	General Biology Laborato	ry I
		3 credits			1(0-3-0)
310101	Computer and the Internet	3(2-2-5)	308101	Introductory Physics I	3(3-0-6)
	Interdisciplinary Integration	n	308102	Introductory Physics II	3(3-0-6)
	Group	9 credits	308103	Introductory Physics Labor	atory I
999101	Interdisciplinary Integratio	n I			1(0-3-0)
		3(3-0-6)	312201	Elementary Statistics	3(3-0-6)
999102	Interdisciplinary Integratio	n II		Professional Courses	15 credits
		3(3-0-6)	302220	Organic Chemistry	3(3-0-6)
999103	Interdisciplinary Integration	n III	303221	Organic Chemistry Laborat	cory •
		3(3-0-6)			1(0-3-0)
Elective	Courses	4 credits	305103	Medical Microbiology	4(3-3-6)
203103	Contemporary World Affa		306213	Cell and Molecular Biolo	gy
		2(2-0-4)			3(3-0-6)
216101	Speech for Effective		316201	General Biochemistry	3(3-0-6)
	Communication	2(2-0-4)	316221	General Biochemistry Lab	oratory
222102	Personality and Self				1(0-3-0)
	Development	2(2-0-4)		Major Courses	55 credits
226101	General Economics	2(2-0-4)	Major R	lequired Courses	40 credits
230101	General Knowledge on		317221	Organic Chemistry Labora	tory
	Business	2(2-0-4)			4(3-3-6)
501102	Safety in Everyday Life	2(2-0-4)	317222	Human Gross Anatomy I	I 3(2-3-4)
			317231	Medical Physiology I	4(3-3-6)

		•		
317325	Human Microanatomy	4(3-3-6)	317423 Developmental Anatomy	3(3-0-6)
317332	Medical Physiology	4(3-3-6)	317424 Neuroanatomy	4(3-3-6)
317341	Medical Pharmacology I	4(3-3-6)	317426 Human Genetics and Gen	etic
317351	General Pathology	4(3-3-6)	Engineering	4(3-3-6)
317361	Medical Parasitology	3(2-3-4)	317427 Techniques of Electron	
317442	Medical Pharmacology II	3(2-3-4)	Microscopy	2(1-3-2)
317452	Systemic Pathology	4(3-3-6)	317431 Selected Topics in Physiolo	ogy
317491	Seminar	1(0-2-1)		2(2-0-4)
317493	Research Projects in Med	lical	317446 Medicinal Plants	2(2-0-4)
	Science	2(0-6-0)	3. Free Elective Courses	6 credits
Major E	lective Courses	15 credits	Students may take at lea	est 6 credits
	Required Courses	13 credits	as free elective credits from cour	rses provided
305331	Immunology	3(2-3-4)	at Burapha University or other	universities
311311	Food and Nutrition	3(2-3-4)	both in Thailand and abroad to c	complete the
317423	Developmental Anatomy	3(3-0-6)	graduation requirement.	
317424	Neuroanatomy	4(3-3-6)	•	
	Elective Courses	2 credits	,	
317412	Elective Courses Medical Bacteriology	2 credits 2(1-3-2)	Bachelor of Science Prog	ram in
			Bachelor of Science Prog Microbiology	ram in
317413	Medical Bacteriology	2(1-3-2)	_	ram in
317413 317414	Medical Bacteriology Clinical Mycology	2(1-3-2) 2(1-3-2)	Microbiology Courses Structure	ram in to take a
317413 317414 317415	Medical Bacteriology Clinical Mycology Clinical Virology	2(1-3-2) 2(1-3-2) 2(1-3-2)	Microbiology -Courses Structure	to take a
317413 317414 317415	Medical Bacteriology Clinical Mycology Clinical Virology Clinical Correlation	2(1-3-2) 2(1-3-2) 2(1-3-2)	Microbiology Courses Structure Students are required	to take a
317413 317414 317415 317427	Medical Bacteriology Clinical Mycology Clinical Virology Clinical Correlation Techniques of Electron	2(1-3-2) 2(1-3-2) 2(1-3-2) 1(1-0-2) 2(1-3-2)	Microbiology Courses Structure Students are required minimum of 135 credits from the	to take a ne following
317413 317414 317415 317427	Medical Bacteriology Clinical Mycology Clinical Virology Clinical Correlation Techniques of Electron Microscopy	2(1-3-2) 2(1-3-2) 2(1-3-2) 1(1-0-2) 2(1-3-2)	Microbiology Courses Structure Students are required minimum of 135 credits from the sections:	to take a ne following
317413 317414 317415 317427 317431	Medical Bacteriology Clinical Mycology Clinical Virology Clinical Correlation Techniques of Electron Microscopy	2(1-3-2) 2(1-3-2) 2(1-3-2) 1(1-0-2) 2(1-3-2)	Microbiology Courses Structure Students are required minimum of 135 credits from the sections:	to take a ne following purses
317413 317414 317415 317427 317431 317446	Medical Bacteriology Clinical Mycology Clinical Virology Clinical Correlation Techniques of Electron Microscopy Selected Topics in Physiology	2(1-3-2) 2(1-3-2) 2(1-3-2) 1(1-0-2) 2(1-3-2) ogy 2(2-0-4)	Microbiology Courses Structure Students are required minimum of 135 credits from the sections: 1. General Education Con	to take a ne following curses 30 credits
317413 317414 317415 317427 317431 317446 305331	Medical Bacteriology Clinical Mycology Clinical Virology Clinical Correlation Techniques of Electron Microscopy Selected Topics in Physiology Medicinal Plants	2(1-3-2) 2(1-3-2) 2(1-3-2) 1(1-0-2) 2(1-3-2) Degy 2(2-0-4) 2(2-0-4)	Microbiology Courses Structure Students are required minimum of 135 credits from the sections: 1. General Education Courses	to take a ne following curses 30 credits 26 credits
317413 317414 317415 317427 317431 317446 305331 311311	Medical Bacteriology Clinical Mycology Clinical Virology Clinical Correlation Techniques of Electron Microscopy Selected Topics in Physiology Medicinal Plants Immunology	2(1-3-2) 2(1-3-2) 2(1-3-2) 1(1-0-2) 2(1-3-2) ogy 2(2-0-4) 2(2-0-4) 3(2-3-4)	Microbiology Courses Structure Students are required minimum of 135 credits from the sections: 1. General Education Courses Required Courses - English Group	to take a ne following curses 30 credits 26 credits 12 credits 2 credits
317413 317414 317415 317427 317431 317446 305331 311311 317412	Medical Bacteriology Clinical Mycology Clinical Virology Clinical Correlation Techniques of Electron Microscopy Selected Topics in Physiology Medicinal Plants Immunology Food and Nutrition	2(1-3-2) 2(1-3-2) 2(1-3-2) 1(1-0-2) 2(1-3-2) 2(2-0-4) 2(2-0-4) 3(2-3-4) 3(3-0-6)	Microbiology Courses Structure Students are required minimum of 135 credits from the sections: 1. General Education Courses Required Courses - English Group - Thai Group	to take a ne following curses 30 credits 26 credits 12 credits 2 credits 2 credits
317413 317414 317415 317427 317431 317446 305331 311311 317412 317413	Medical Bacteriology Clinical Mycology Clinical Virology Clinical Correlation Techniques of Electron Microscopy Selected Topics in Physiology Medicinal Plants Immunology Food and Nutrition Medical Bacteriology	2(1-3-2) 2(1-3-2) 2(1-3-2) 1(1-0-2) 2(1-3-2) Dgy 2(2-0-4) 2(2-0-4) 3(2-3-4) 3(3-0-6) 2(1-3-2)	Microbiology Courses Structure Students are required minimum of 135 credits from the sections: 1. General Education Courses Required Courses - English Group - Thai Group - Information Technology	to take a ne following curses 30 credits 26 credits 12 credits 2 credits 2 credits
317413 317414 317415 317427 317431 317446 305331 311311 317412 317413 317414	Medical Bacteriology Clinical Mycology Clinical Virology Clinical Correlation Techniques of Electron Microscopy Selected Topics in Physiology Medicinal Plants Immunology Food and Nutrition Medical Bacteriology Clinical Mycology	2(1-3-2) 2(1-3-2) 2(1-3-2) 1(1-0-2) 2(1-3-2) 2(2-0-4) 2(2-0-4) 3(2-3-4) 3(3-0-6) 2(1-3-2) 2(1-3-2)	Microbiology Courses Structure Students are required minimum of 135 credits from the sections: 1. General Education Courses Required Courses - English Group - Thai Group - Information Technology - Interdisciplinary Integral	to take a ne following curses 30 credits 26 credits 12 credits 2 credits gy 3 credits ration

	2. Area of Concentration Courses		Elective	Courses	4 credits
		99 credits	203103	Contemporary World Affa	airs
	- Core Courses	29 credits			2(2-0-4)
	- Professional Courses	24 credits	216101	Speech for Effective	
	- Major Courses	46 credits		Communication	2(2-0-4)
	3. Free Elective Courses	6 credits	222102	Personality and Self	
1. Gene	ral Education Courses	30 credits		Development	2(2-0-4)
Require	d Courses	26 credits	226101	General Economics	2(2-0-4)
	English Group	12 credits	230101	General Knowledge on B	usiness
Basic En	glish	6 credits			2(2-0-4)
212101	English I	3(3-0-6)	501102	Safety in Everyday Life	2(2-0-4)
212102	English II	3(3-0-6)	2. Area	of Concentration Course	s 99 credits
212103	English III	3(3-0-6)		Core Courses	29 credits
212104	English IV	3(3-0-6)	301301	Quality Management	2(2-0-4)
Profession	nal English	6 credits	302111	Calculus I	3(3-0-6)
212205	English for Science and		302112	Calculus II	3(3-0-6)
	Technology I	3(2-2-5)	303101	Chemistry I	3(3-0-6)
212206	English for Science and		303102	Chemistry II	3(3-0-6)
	Technology II	3(2-2-5)	303103	Chemistry Laboratory	1(0-3-0)
	Thai Group	2 credits	306101	General Biology I	3(3-0-6)
208101	2 3	2(2-0-4)	306102	General Biology Laborate	ory I
	Information Technology				1(0-3-0)
	Group	3 credits	308101	Introductory Physics I	3(3-0-6)
310101	Computer and the Interne		308102	Introductory Physics II	3(3-0-6)
	Interdisciplinary Integrati	on Group 9 credits	308103	Introductory Physics Labo	oratory I
000101	Înterdisciplinary Integration				3(3-0-6)
999101	interdiscipiniary integrand	3(3-0-6)	312201	Elementary Statistics	3(3-0-6)
000100	Interdical linear Internation	•		Professional Courses	24 credits
999102	Interdisciplinary Integration	3(3-0-6)	303220	Organic Chemistry	3(3-0-6)
000103	Interdigainlinem: Internetic	, ,	303221	Organic Chemistry Labor	ratory
999103	Interdisciplinary Integration				1(0-3-0)
		3(3-0-6)			

303250 303251		3(3-0-6)	305322	Microbiological Food Ana	lysis
303251					
	Analytical Chemistry Labo	oratory			2(1-3-2)
		1(0-3-0)	305333	Medical Bacteriology	3(2-3-4)
306103	General Biology II	3(3-0-6)	305341	Environmental Microbiolo	gy
306321	Genetics	3(2-3-4)			3(2-3-4)
312202	Biostatistics	3(3-0-6)	305351	Microbial Enzymes	3(2-3-4)
316201	General Biochemistry	3(3-0-6)	305352	Industrial Microbiology	3(2-3-4)
316221	General Biochemistry Lab	oratory	305412	Genetic Engineering	3(2-3-4)
		1(0-3-0)	305423	Microbial Food Quality	
316311	Biochemistry I	3(3-0-6)		Assurance	2(2-0-4)
	Major Courses	46 credits	305424	Seafood Microbiology	3(2-3-4)
Major	Required Courses	29 credits	305434	Medical Mycology	3(2-3-4)
305201	Introductory Microbiology	4(3-3-6)	305435	Bioactive Compounds from	n
305202	Instrumental Methods in			Microorganisms	2(2-0-4)
	Microbiology	2(1-3-2)	305442	Aquatic Microbiology	3(2-3-4)
305303	Determinative Bacteriology	3(2-3-4)	305443	Wastewater Microbiology	3(2-3-4)
305304	Mycology	3(2-3-4)	305444	Soil Microbiology	3(2-3-4)
305311	Microbial Genetics	3(3-0-6)	305445	Hazardous Waste Microbia	ology
305331	Immunology	3(2-3-4)			3(2-3-4)
305361	Ethics for Scientist	1(1-0-2)	305446	Agricultural Microbiology	3(2-3-4)
305391	Seminar in Microbiology I	1(0-2-1)	305447	Biology of Mushroom	3(2-3-4)
305405	Microbial Physiology	3(2-3-4)	305448	Microbiology of Plant Disea	ises
305432	Virology	3(2-3-4)			3(2-3-4)
305492	Seminar in Microbiology II	1(0-2-1)	305453	Fundamentals of Fermenta	tion
305493	Special Problems in		,	Technology	3(2-3-4)
	Microbiology	2(0-4-2)	305454	Yeast and Yeast Technology	у
Major 1	Elective Courses	17 credits			3(2-3-4)
305306	Determinative Mycology	2(1-3-2).	305455	Fermented Food Industry	3(2-3-4)
305321	Food Microbiology	3(2-3-4)	305456	Alcoholic Beverage Microb	iology
					3(2-3-4)

3. Free Elective Courses 6 credits

Students may take at least 6 credits as free elective credits from courses provided at Burapha University or other universities both in Thailand and abroad to complete the graduation requirement.

Bachelor of Science Program in **Physics**

Courses Structure

Students are required to take a minimum of 130 credits from the following sections:

				That Group	2 CI CUIC
1.	General Education Cour	rses	208101	Thai Language Skills	2(2-0-4)
		30 credits		Information Technology Gr	oup
	Required Courses	26 credits			3 credits
	- English Group	12 credits	310101	Computer and the Internet	3(2-2-5)
	- Thai Group	2 credits	-	Interdisciplinary Integratio	n Group
	- Information Techno	ology			9 credits
	Group	3 credits	999101	Interdisciplinary Integration	n I
	- Interdisciplinary In	tegration			3(3-0-6)
	Group	9 credits	999102	Interdisciplinary Integration	n II
	Elective Courses	4 credits			3(3-0-6)
2.	Area of Concentration	Courses	999103	Interdisciplinary Integration	n III
		94 credits			3(3-0-6)
	- Core Courses	29 credits	Elective	Courses	4 credits
	- Professional Cours	es 3 credits	203103	Contemporary World Affai	rs
	- Major Courses	62 credits			2(2-0-4)
3.	Free Elective Courses	6 credits	216101	Speech for Effective	
	-			Communication	2(2-0-4)

1. General Education Courses

English Group

212205 English for Science and

212206 English for Science and

Technology II

Thai Group

Technology I

Required Courses

212101 English I

212102 English II

212103 English III

212104 English IV

Professional English

Basic English

30 credits

12 credits

6 credits

3(3-0-6)

3(3-0-6)

3(3-0-6)

3(3-0-6)

6 credits

3(2-2-5)

3(2-2-5)

2 credits

	222102	Personality and Self Deve	elopment	308221	Thermodynamic	3(3-0-6)
			2(2-0-4)	308231	Optics	3(3-0-6)
	226101	General Economics	2(2-0-4)	308241	Electricity and Magnetism	3(3-0-6)
	230101	General Knowledge on B	usiness	308342	Introduction to Electromag	netic
			2(2-0-4)		Theory	3(3-0-6)
	501102	Safety in Everyday Life	2(2-0-4)	308351	Nuclear Physics I	3(3-0-6)
	2. Area	of Concentration Courses	s 94 credits	308361	Modern Physics	3(3-0-6)
		Core Courses	29 credits	308362	Quantum Mechanics I	3(3-0-6)
	301301	Quality Management	2(2-0-4)	308371	Elementary Electronics	3(3-0-6)
	302111	Calculus I	3(3-0-6)	308372	Elementary Electronics	
	302112	Calculus II	3(3-0-6)		Laboratory	1(0-3-0)
	303101	Chemistry I	3(3-0-6)	308391	Physics Laboratory I	2(0-6-0)
	303102	Chemistry II	3(3-0-6)	308441	Solid State Physics I	3(3-0-6)
	303103	Chemistry Laboratory	1(0-3-0)	308492	Physics Laboratory II	2(0-6-0)
	306101	General Biology I	3(3-0-6)	308494	Seminar	1(0-2-1)
	306102	General Biology Laborato	гу I	308495	Physics Projects	2(2-0-4)
			1(0-3-0)	Elective	Courses	14 credits
	308101	Introductory Physics I	3(3-0-6)	308312	Mechanics II	3(3-0-6)
	308102	Introductory Physics II	3(3-0-6)	308313	Fluid Mechanics	3(3-0-6)
	308103	Introductory Physics		308343	Basic Electrical Circuit	
		Laboratory I	1(3-3-0)		Analysis	3(3-0-6)
	312201	Elementary Statistics	3(3-0-6)	308373	Digital Electronics	3(3-0-6)
		Professional Courses	3 credits	308374	Microcontroller and Applic	eations
	310222	C Programming	3(2-2-5)			3(3-0-6)
		Main Comme				
	Major Re	Major Courses	62 credits	308375	Microcontroller and Applic	cations
,		equired Courses	62 credits 48 credits	308375	Microcontroller and Applied Laboratory	eations 1(0-3-0)
,	308204	_				
	308204	equired Courses		308376	Laboratory	1(0-3-0) 3(3-0-6)
	308204 308205	equired Courses Introductory Physics	48 credits	308376	Laboratory Industrial Electronics	1(0-3-0) 3(3-0-6) ratory
	308205	equired Courses Introductory Physics Laboratory II	48 credits 1(0-3-0)	308376 308377	Laboratory Industrial Electronics Industrial Electronics Labo	1(0-3-0) 3(3-0-6) ratory 1(0-3-0)
	308205	Introductory Physics Laboratory II Mathematical Physics I	48 credits 1(0-3-0) 3(3-0-6)	308376 308377 308414	Laboratory Industrial Electronics Industrial Electronics Labo Introduction to Astrophysics	1(0-3-0) 3(3-0-6) ratory 1(0-3-0) 3(3-0-6)
	308205 308206	Introductory Physics Laboratory II Mathematical Physics I Mathematical Physics II	48 credits 1(0-3-0) 3(3-0-6) 3(3-0-6)	308376 308377 308414	Laboratory Industrial Electronics Industrial Electronics Labo	1(0-3-0) 3(3-0-6) ratory 1(0-3-0)

308416	Introduction to Celestial Me	echanic	308385	Environmental Measureme	ent and
		3(3-0-6)		Instrumentation	3(3-0-6)
308422	Applied Thermodynamics	3(3-0-6)	308387	Energy and Environment	2(2-0-4)
308423	Statistical Physics	3(3-0-6)	308388	Energy and Environment	
308432	Applied Optics	3(3-0-6)		Laboratory	1(0-3-0)
308433	Introduction to Laser Phy	sics	308407	Introduction to Computati	onal
		3(3-0-6)		Physics	3(3-0-6)
308434	Acoustics and Applications	3(3-0-6)	308408	Computer Simulations of	
308442	Solid State Physics II	3(3-0-6)		Physics Phenomena	3(3-0-6)
308443	Introduction to Semicondu	ector	308424	Vacuum Technology	3(3-0-6)
		3(3-0-6)	308435	Environmental Noise Poll	ution
308444	Introduction to Physics of	•			3(3-0-6)
	Microwave	3(3-0-6)	308447	Thin Film Technology	3(3-0-6)
308445	X-ray Crystallography	3(3-0-6)	308448	Physics of Solar Cell Sys	tem
308446	Atomic and Molecular Sp	ectra			3(3-0-6)
		3(3-0-6)	308455	Health Physics	3(3-0-6)
308452	Nuclear Physics II	3(3-0-6)	308472	Computer Control and Indu	strial
308453	Elementary Particle Physics	3(3-0-6)		Applications	3(3-0-6)
308454	Radiological Physics	3(3-0-6)	308473	Computer Control and Inc	lustrial
308463	Quantum Mechanics II	3(3-0-6)		Applications Laboratory	1(0-3-0)
308471	Communications Electronic	es	308474	Measuring Instruments and	d Process
		3(3-0-6)		Control	3(3-0-6)
308483	Atmospheric Physics	3(3-0-6)	308475	Computer-Assisted Instruc	tion for
308381	Introduction to Environmen	ntal		Physics	3(3-0-6)
	Sciences	3(3-0-6)	308481	Pollution Detection and Con	ntrol
308382	Environmental Physics	3(3-0-6)			3(3-0-6)
308383	Introduction to Air Polluti	on	308482	Biophysics	3(3-0-6)
		3(3-0-6)	308485	Solar Energy	3(3-0-6)
308384	Introduction to Remote Ser	ising	308486	Scientific Measurement an	d
		3(3-0-6)		Instrumentation	3(3-0-6)

308487 Scientific Measurement a	nd		- Core Courses	29 credits
Instrumentation Laborator	y 1(0-3-0)	1(0-3-0) - Professional Courses		15 credits
308488 Energy Technology	3(3-0-6)		- Major Courses	50 credits
308489 Energy Conservation Tec	hnology	3. Free	Elective Courses	6 credits
	3(3-0-6)	1. Gene	ral Education Courses	30 credits
308496 Selected Topics in Physic	cs3(3-0-6)	Require	d Courses	26 credits
3. Free Elective Courses	6 credits		English Group	12 credits
Students may take at lea	st 6 credits	Basic En	glish	6 credits
as free elective credits from cou	rses provided	212101	English I	3(3-0-6)
at Burapha University or other un	iversities	212102	English II	3(3-0-6)
both in Thailand And abroad to c		212103	English III	3(3-0-6)
the graduation requirement.		212104	English IV	3(3-0-6)
me Brananou redunomen		Profession	nal English	6 credits
D. I. I. of Colones Dune	!	212205	English for Science and	
Bachelor of Science Prog	gram m		Technology I	3(2-2-5)
Statistics		212206	English for Science and	
Courses Structure			Technology II	3(2-2-5)
Students are required to take a			Thai Group	2 credits
minimum of 130 credits from the	following	208101	Thai Language Skills	2(2-0-4)
sections:		Information Technology Group		
1.General Education Cou	irses	310101	Computer and the Interne	et 3(2-2-5)
	30 credits		Interdisciplinary Integration	on Group
Required Courses	26 credits			9 credits
- English Group	12 credits	999101	Interdisciplinary Integration	on I
- Thai Group	2 credits			3(3-0-6)
- Information Technolo	gy	999102	Interdisciplinary Integration	on II
Group	3 credits			3(3-0-6)
- Interdisciplinary Inter	gration	999103	Interdisciplinary Integration	on III
Group	9 credits			3(3-0-6)
Elective Courses	4 credits	Elective	Courses	4 credits
2. Area of Concentrat	ion Course	203103	Contemporary World Aff	airs
	94 credits			2(2-0-4)

216101	Speech for Effective			Major Courses	50 credits
	Communication	2(2-0-4)	Major R	equired Courses	22 credits
222102	Personality and Self		312211	Statistical Methods	3(3-0-6)
	Development	2(2-0-4)	312321	Mathematical Statistics I	3(3-0-6)
226101	General Economics	2(2-0-4)	312322	Mathematical Statistics II	3(3-0-6)
230101	General Knowledge on		312341	Sampling Techniques	3(3-0-6)
	Business	2(2-0-4)	312342	Experimental Designs	3(3-0-6)
501102	Safety in Everyday Life	2(2-0-4)	312343	Regression Analysis	3(3-0-6)
2. Area	of Concentration Courses	94 credits	312351	Operation Research I	3(3-0-6)
	Core Courses	29 credits	312491	Seminar in Statistics	1(0-2-1)
301301	Quality Management	2(2-0-4)	Major El	ective Courses	28 credits
302111	Calculus I	3(3-0-6)	312331	Probability and Its Applicat	ions
302112	Calculus II	3(3-0-6)	312344	Quality Control	3(3-0-6)
303101	Chemistry I	3(3-0-6)	312345	Non-Parametric Statistics	3(3-0-6)
303102	Chemistry II	3(3-0-6)	312346	Decision Theory	3(3-0-6)
303103	Chemistry Laboratory	1(0-3-0)	312347	Time Series and Index Num	bers
306101	General Biology I	3(3-0-6)			3(3-0-6)
306102	General Biology Laboratory	·I	312348	Applied Stochastic Processe	:s
		1(0-3-0)			3(3-0-6)
308101	Introductory Physics I	3(3-0-6)	312352	Operation Research II	3(3-0-6)
308102	Introductory Physics II	3(3-0-6)	312353	Applied Stochastic Process	ies
308103	Introductory Physics Labora	itory I			3(3-0-6)
		1(0-3-0)	312354	Linear Programming	3(3-0-6)
312201	Elementary Statistics	3(3-0-6)	312355	Non-Linear Programming	3(3-0-6)
	Professional Courses	15 credits	312361	Statistical Information	
302221	Calculus III	3(3-0-6)		Technology	3(2-2-5)
302241	Principles of Mathematics	3(3-0-6)	312371	Data Analysis Techniques	3(2-2-5)
302362	Applied Mathematics	3(3-0-6)	312372	Statistical Computing	3(2-2-5)
	Linear Algebra I	3(3-0-6)	312456	Simulation	3(3-0-6)
	Fortran Programming	3(2-2-5)	312457	Forecasting Techniques	3(3-0-6)
	- -		312462	Statistics of Insurance	3(3-0-6)

312373	Research Methodology	3(3-0-6)	3. Free I	Elective Courses	6 credits
312492	Selected Topics in Statistics	Ι		Students may take at least	6 credits
		3(3-0-6)	as free e	lective credits from course	s provided
312493	Selected Topics in Statistics	II	at Burapl	ha University or other univ	ersities
		3(3-0-6)	both in	Thailand and abroad to con	plete the
312494	Special Problems	2(0-6-0)	graduatio	n requirement.	
302202	Mathematical Computing	2(1-2-3)			
302372	Mathematical Analysis	3(3-0-6)	Back	helor of Science Progr	am in
302382	Mathematics of Finance	3(3-0-6)	Aqua	culture (Continuing Pr	ogram)
302383	Mathematics of Insurance	3(3-0-6)	_	Structure	
302452	Probability Theory	3(3-0-6)		Students are required to ta	ike a
302473	Numerical Analysis I	3(3-0-6)	minimun	of 74 credits from the fo	
310211	Computer Programming	3(2-2-5)	sections:		
310214	Data Structure and Algorith	ıms		1. General Education Cours	es 10 credits
		3(3-0-6)		- Languages Group	6 credits
310222	C Programming	3(2-2-5)		- Humanities Group	2 credits
310281	Application Software in Of	fice		- Sociology Group	2 credits
		3(2-2-5)		2. Area of Concentration Co	ourses
310312	System Analysis and Des	sign			58 credits
		3(3-0-6)		- Professional Course	s 13 credits
310321	Visual BASIC Programmir	ng		- Major Courses	47 credits
		3(2-2-5)		3. Free Elective Courses	6 credits
310341	Database System	3(3-0-6)	1. Gene	ral Education Courses	10 credits
310371	Internet Technology	3(3-0-6)		Language Group	6 credits
	Electronics Commerce	3(3-0-6)	212205	English for Science and	
321342	Management Information S			Technology I	3(2-2-5)
		3(3-0-6)	212206	English for Science and	
321442	Office Information System			Technology II	3(2-2-5)
		3(3-0-6)		Humanities Group	2 credits
			204100	Ethics in Everyday Life	2(2-0-4)

	Sociology Group	2 credits	Major 1	Elective Courses	8 credits
230101	General Knowledge on Bu	siness	322302	Planktonology	3(2-3-4)
		2(2-0-4)	322303	Marine Microbiology	3(2-3-4)
2. Area	of Concentration Course	s 58 credits	322311	Aquatic Plants	3(2-3-4)
	Professional Courses	13 credits	322312	Phycology	3(2-3-4)
301301	Quality Management	2(2-0-4)	322322	Aquatic Vertebrates	3(2-3-4)
305102	General Microbiology	2(2-0-4)	322352	Fishing Gears	2(1-3-2)
310101	Computer and the Interne	et 3(3-0-6)	322361	Marine Ecology	3(2-3-4)
312201	Elementary Statistics	3(3-0-6)	322404	Marine Biotoxins	3(3-0-6)
312202	Biostatistics	3(3-0-6)	322421	Physiology of Aquatic Anim	nals
	Major Courses	45 credits			3(2-3-4)
Major Re	equired Courses	37 credits	322422	Embryology of Aquatic A	nimals
322211	Aquatic Ecology	3(3-2-4)			3(2-3-4)
322241	Introduction to Oceanogra	phy	322423	Fish Physiology	3(3-0-6)
		3(3-0-6)	322432	Chemistry and Treatment	
322251	Introduction to Fisheries Te	chnology		of Wastewater	3(2-3-4)
		3(3-0-6)	322453	Fisheries Products Techno	logy
322301	Aquatic Animal Genetics	3(3-0-6)			3(2-3-4)
322371	Aquaculture	3(3-0-6)	322462	Aquatic Pollution	3(3-0-6)
322372	Food of Aquatic Animals	3(3-2-4)	322463	Aquatic Resources Manager	ment
322425	Diseases and Pathology of	f			3(3-0-6)
	Aquatic Animals	3(3-2-4)	322464	Integrated Coastal Zone	
322431	Water Quality Analysis	3(3-2-4)		Management	3(3-0-6)
322471	Aquatic Animal Breeding	3(3-0-6)	322465	Selected Topics in Coastal	ļ
322472	Laboratory in Aquatic An	imal		Environment	3(3-0-6)
	Breeding	2(0-6-0)	322475	Möllusk Aquaculture	3(2-3-4)
322473	Aquatic Animal Farm Mana	gement	322476	Crustacean Aquaculture	3(2-3-4)
		2(2-0-4)	322477	Coastal Aquaculture	3(3-0-6)
322474	Aquaculture Business	3(3-0-6)	322478	Laboratory in Coastal	
322491	Seminar in Aquaculture	1(0-2-1)		Aquaculture	2(0-6-0)
322492	Special Problems in Aquae	culture			
		2(0-6-0)			

322479 Ornamental and Aquarium			2. Area of Concentration	57 credits	
	Fish Aquaculture	3(3-0-6)		- Professional Course	es 5 credits
322482	Laws of the Sea	2(2-0-4)		- Major Courses	52 credits
322483	Scuba Diving	2(1-3-2)		3. Free Elective Courses	6 credits
322493	Aquaculture Biotechnology	y 3(3-0-6)	1. Gene	eral Education Courses	12 credits
322494	Selected Topics in Aquacul	ture I		Language Group	6 credits
		3(3-0-6)	212205	English for Science and	
322495	Selected Topics in Aquacul	ture II		Technology I	3(2-2-5)
		3(3-0-6)	212206	English for Science and	
3. Free	Elective Courses	6 credits		Technology II	3(2-2-5)
	Students may take at least	t 6 credits		Humanities Group	4 credits
as free	elective credits from cours	es provided	202101	Information Services and	Study
at Burapha University or other universities				Fundamentals	2(2-0-4)
both in Thailand and abroad to complete the			222102	Personality and Self	
graduation requirement.			Development	2(2-0-4)	
			Sociology Group	2 credits	
Bac	chelor of Science Prog	ram in	230101	General Knowledge on B	usiness
	Physics-Instruments	.			2(2-0-4)
	(Continuing Program		2. Area of Concentration Courses 57 c		57 credits
Course	Structure	.,		Professional Courses	5 credits
Courses		4 -1	301301	Quality Management	2(2-0-4)
minim	Students are required to m of 75 credits from the fo		303104	General Chemistry	3(3-0-6)
Sections		Dilowing		Major Required Courses	46 credits
Sections	. 1. General Education Cou	IFCAC	320301	Basics Physics for Instrur	nents I
	1. General Education Cou	12 credits			2(2-0-4)
	- Languages Group	6 credits	320302	Basics Physics for Instrur	
	- Humanities Group	4 credits			2(2-0-4)
	- Sociology Group	2 credits	320303	Basics Physics for Instrum	
			20020-	Laboratory	1(0-3-0)
			320321	Thermodynamics	2(2-0-4)

Bachelor of Technology Program in Information Technology

(Continuing Program)

Courses Structure

Students are required to take a minimum of 74 credits from the following sections:

1. General Education Courses 12 credits			
- Languages Group	6 credits		
- Elective Courses	6 credits		
2. Area of Concentration Courses			

56 credits

8 credits

-	Major	Professional	Courses
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	- Major Courses	48 credits
3.	Free Elective Courses	6 credits

1. General Education Courses 10 credits

	6 credits	
212205	English for Science and	

3(2-2-5)

212206	English for Science and	
	Technology II	3(2-2-5)

Humanities	Group	4	credits
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202101	Information Service and Study		
	Fundamentals	2(2-0-4)	

101 Speech for Effective Communication	n
2(2-0-4	4)

Sociology	Group	2	credit
	ор	_	4

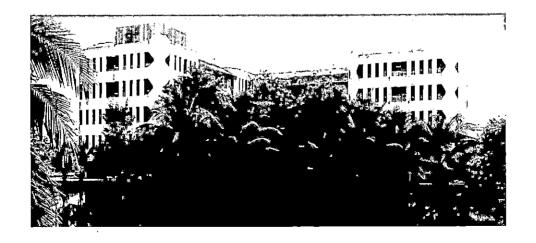
230101	General	Knowledge	on	Business
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2(2-0-4)

2. Area of Concentration Courses

		56 credits
Majõr P	Major Professional Courses	
301301	Quality Management	2(2-0-4)
302118	Introduction to Calculus	3(3-0-6)
312201	Elementary Statistics	3(3-0-6)
Major C	Courses	48 credits
	Major Required Courses	33 credits
310211	Computer Programming	3(2-2-5)
310213	Discrete Structures	3(3-0-6)
310214	Data Structures and Algorit	hms
		3(3-0-6)
310312	System Analysis and Desig	n3(3-0-6)
310313	Software Engineering	3(3-0-6)
310324	Object-Oriented Programm	ing
310341	Database Systems	3(3-0-6)
321311	Computer Technology	3(3-0-6)
321341	Information Systems Conce	epts
		3(3-0-6)
321441	Management of Information	n
	Technology	3(3-0-6)
321491	Seminar in Information Tec	hnology
		1(0-2-1)
321492	Projects in Information Tec	hnology
		2(0-6-0)
	Major Elective Courses	15 credits
310311	Information Storage and Re	trieval
		3(3-0-6)
310331	Operating Systems	3(3-0-6)
310352	Introduction to Artificial	
	Intelligence	3(3-0-6)

310353	Knowledge-Base Systems	3(3-0-6)	321444	Accounting Information Sy	stems
310361	Data Communications and Computer				3(3-0-6)
	Network I	3(3-0-6)	321445	Financial Information Syste	ems
310371	Internet Technology	3(3-0-6)			3(3-0-6)
310372	Internet Information Service	es	321446	Decision Support Systems	3(3-0-6)
		3(3-0-6)	321481	Operation Management	
310411	Object-Oriented Analysis			Information Center	3(3-0-6)
	and Design	3(3-0-6)			
310434	System Administration	3(3-0-6)	321482	Information Technology Pr	oject
310455	Expert Systems	3(3-0-6)		Management	3(3-0-6)
310461	Data Communications and		321483	Multimedia Technology Pro	esentation
	Computer Network II	3(3-0-6)			3(2-2-5)
310462	Network Management	3(3-0-6)	321493	Selected Topics in Informat	tion
310471	Electronics Commerce	3(3-0-6)		Technology I	3(3-0-6)
321342	Management Information S	ystems	321494	Selected Topics in Informat	ion
		3(3-0-6)		Technology II	3(2-2-5)
321412	The Human Computer Inter	raction	3. Free	Elective Courses	6 credits
		3(3-0-6)		Students may take at least	6 credits
321413	Software metrics	3(3-0-6)	as free	elective credits from cours	es provided
321414	Interface Design	3(3-0-6)	at Bura	oha University or other uni	versities
321442	Office Information Systems	3(3-0-6)	both in	Thailand and abroad to con	mplete the
321443	Information Technology La	ıw	graduati	on requirement.	
		3(3-0-6)		,	







Maritime College

Maritime College

Ba	chelor of Science Prog	gram in	303101	General Chemistry I	3(3-0-6)
Nautical Science		303104	General Chemistry Laborat	ory I	
Courses	Courses Structure				1(0-3-0)
	Students are required to t	ake a		Sociology Group	6 credits
minimum of 170 credits from the			224102	Introduction to Law	2(2-0-4)
sections		ionowing	226101	Introduction to Economic	s 2(2-0-4)
Sections	1. General Education Cou	nre ae	230101	Introduction to Business	2(2-0-4)
	1. General Education Con	34 credits		Humanities Group	6 credits
	1		202101	Information Services and	Study
	- Language Group	10 credits		Fundamentals	2(2-0-4)
	- Sciences and Mather		204100	Ethics in Everyday Life	2(2-0-4)
		10 credits	601141	Man and Aesthetics	2(2-0-4)
	- Sociology Group	6 credits		Physical Education	2 credits
		6 credits	441112	Swimming I	1(0-2-1)
	- Physical Education	2 credits	441113	Basketball I	1(0-2-1)
	2. Area of Concentration	130 credits	441115	Football I	1(0-2-1)
	- Professional Courses	34 credits	441118	Tennis I	1(0-2-1)
	- Major Courses	96 credits	441212	Rhythmic Activities	1(0-2-1)
	3. Free Elective Courses	6 credits		Minor Games	1(0-2-1)
1. Gene	ral Education Courses	34 credits		Social Dance	1(0-2-1)
	Languages Group	11 credits	-	Swimming II	1(0-2-1)
212101	English I	3(3-0-6)		Wind Surf	1(0-2-1)
212102	English II	3(3-0-6)	441415		1(0-2-1)
252201	English for Academic Pur	poses I		of Concentration Course	
		2(2-0-4)		Professional Courses	34 credits
252202	English for Academic Pur	poses II	212231	Oral English Practice	2(1-2-3)
		2(2-0-4)		Oral English I	2(1-2-3)
	Sciences and Mathematics	10 credits		English for Maritime Trac	•
302111	Calculus I	3(3-0-6)	TIP413	English for martine Hat	2(1-2-3)
302112	Calculus II	3(3-0-6)			2(1-2-3)

212474	English for Maritime Tra-	de II	908331	Meteorology	3(3-0-6)
		2(1-2-3)	908341	Oceanography	3(3-0-6)
212475	English for Maritime Tra	de III	910311	Cargo Handling and Stov	vage I
		2(1-2-3)			3(3-0-6)
302215	Calculus III	3(3-0-6)	910412	Cargo Handling and Stov	vage II
308101	Introductory Physics I	3(3-0-6)			3(3-0-6)
308102	Introductory Physics II	3(3-0-6)	910413	Cargo Handling and Stov	vage
308103	Introductory Physics Labo	oratory I		Practice	1(0-3-0)
		1(0-3-0)	911311	Communications I	3(3-0-6)
308371	Elementary Electronics	3(3-0-6)	911312	Communications II	3(2-3-4)
308372	Elementary Electronics La	aboratory	912211	Navigation I	3(2-2-5)
		1(0-3-0)	912212	Navigation II	3(3-0-6)
310101	Computer and Information	1.	912313	Navigation III	3(2-2-5)
	Processing	3(3-0-6)	912314	Navigation IV	2(1-2-3)
312201	Elementary Statistics	3(3-0-6)	912415	Navigation V	3(2-2-5)
505101	Engineering Workshop Pr	actice	912416	Navigation VI	2(1-2-3)
		1(0-3-0)	912517	Navigation VII	3(2-2-5)
510371	Automatic Control I	3(3-0-6)	912518	Navigation VIII	2(2-0-4)
	Major Courses	96 credits	912421	Ship Handling I	2(2-0-4)
901311	Maritime Law	3(3-0-6)	912522	Ship Handling II	2(2-0-4)
901421	Introduction to Law of th	e Sea	913311	Ship Propulsion	3(3-0-6)
		3(3-0-6)	913312	Marine Engineering	2(1-2-3)
901341	Marine Insurance	3(3-0-6)	914411	Ship Design Technology	3(3-0-6)
901431	Watchkeeping I	3(2-3-4)	914421	Shipbuilding Technology	3(3-0-6)
901432	Watchkeeping II	3(2-3-4)	914431	Ship Stability I	3(3-0-6)
903301	Shipping Management	3(3-0-6)	914432	Ship Stability II	3(3-0-6)
906311	Seamanship	2(1-3-2)	915511	Cargo Ship Practice I	6(0-30-0)
906422	Emergency Procedures and	ď	915512	Cargo Ship Practice II	6(0-30-0)
	Damage Control	3(3-0-6)			

3. Free Elective Courses 6	credits		Mathematics and Computer	r Group
Students may take at least	6 credits			6 credits
as free elective from provided a	t Burapha	302118	Introduction to Calculus	3(3-0-6)
University or other universities	both in	310101	Computer and the Internet	3(2-2-5)
Thailand and aboard to com	plete the		Sociology Group	2 credits
graduation requirement.	-	226101	General Economic	2(2-0-4)
		202101	Information Services and	
Bachelor of Business Adminis	tration		Study Fundamental	2(2-0-4)
		2. Profe	essional Courses	55 credits
Program in Maritime Manag		Require	d Courses	46 credits
(Continuing Program)		212371	Business English	2(2-0-4)
Courses Structure		212473	English for Maritime	2(1-2-3)
The students are required to	take a		Trade I	
minimum of 135 credits from the following			Business Finance	3(3-0-6)
section.		229212	Financial Accounting	3(2-2-5)
1. General Education Co	ourses	230221	Principles of Management	3(3-0-6)
	13 credits	230212	Business Law	3(3-0-6)
- Languages Group	3 credits	901311	Maritime Law	3(3-0-6)
- Mathematics and C	omputer	901331	Taxation and Customs	
	6 credits		Management	3(3-0-6)
- Sociology Group	2 credits	901341	Marine Insurance	3(3-0-6)
- Humanities	2 credits	902311	Maritime Economics	3(3-0-6)
2. Area of Concentration		903311	Introduction to Maritime	
- Required Courses			Business	3(3-0-6)
- Elective Courses	9 credits	903312	Business Transaction in	
3. Free Elective Courses			Shipping Management	3(3-0-6)
1. General Education Courses	13 credits	903321	Introduction to Internation	al
Language Group	3 credits		Business	3(3-0-6)
212201 English for Humanities and	3(2-2-5)	904311	Port Management	3(3-0-6)
Social Science I		904321	Logistics and Transportatio	n
			Management	3(3-0-6)

			005404	14 10 70 . 1 6		
905411	Cargo Ships and their Chara	icteristics I	905421	Maritime Electronic Comm		
		3(3-0-6)			2(2-0-4)	
Elective	Courses	9 credits	906421	International Safety Manag	gement	
309202	Marine Environment	2(2-0-4)			3(3-0-6)	•
901421	Introduction to Law of th	e Sea	908421	Selected Topics in Maritir	ne	
		3(3-0-6)		Business	2(2-0-4)	
903313	Charter Parties Business	2(2-0-4)	212474	English for Maritime Trac	ie II	
903314	History of Thai Maritime	Business			2(1-2-3)	
		2(2-0-4)	212475	English for Maritime Trac	le III	
903321	Marine Cargo Operations	2(2-0-4)			2(1-2-3)	
903431	Human Resource Manager	ment	310381	Computer in Business	3(2-2-5)	
		3(3-0-6)				
904312	Port Operation	2(2-0-4)	3. Free	Elective Courses	6 credits	
904422	Logistics and Supply Chain			Students may take at lea	st 6 credits	S
•	Management	2(2-0-4)	as free	elective from provided	at Burapha	3
905412	Cargo Ships and Their		Universi	ity or other universitie	s both it	1
	Characteristics II	3(3-0-6)	Thailand	i and aboard to co	mplete the	e .
905413	Maritime Information Tec	hnology	graduati	on requirement.		
		2(2-0-4)				

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Chantaburi Campus



Faculty of Marine Technology

Faculty of Marine Technology

Bachelor of Science Program			Science and Mathematics	10 credits	
Courses Structure		271111	Calculus I	3(3-0-6)	
Students are required to take a		273101	General Biology I	3(3-0-6)	
	of 140 credits from the		273102	General Biology Laborator	y I
	1 Of 140 Credits from the	tonowing			1(0-3-0)
sections:			290101	Computer and Information	
1. General Education Courses			Processing	3(3-0-6)	
		32 credits		Sociology Group	4 credits
	- Language Group	12 credits	265101	Introduction to Economics	2(2-0-4)
- Sciences and Mather			269101	Introduction to Business	2(2-0-4)
		10 credits		Humanities Group	6 credits
	- Sociology Group	4 credits	255101	Information Services and	Study
	- Humanities Group	6 credits		Fundamentals	2(2-0-4)
	2. Area of Concentration		257100	Ethics in Everyday Life	2(2-0-4)
	- Core Courses	25 credits		Man and Aesthetics	2(2-0-4)
- Professional Courses 20 credits		20 credits	2. Area of Concentration Courses		
	- Major Courses	57 credits	Z. Alt.	Core Courses	25 credits
	3. Free Elective Courses	6 credits	270210		2(2-0-4)
	4. Training Courses	200 hours		Quality Management	
1. Gene	ral Education Courses	32 credits		Calculus II	3(3-0-6)
	Languages Group	12 credits		Chemistry I	3(3-0-6)
251101	Ţhai I	2(2-0-4)		Chemistry II	3(3-0-6)
252101	English I	3(3-0-6)		Chemistry Laboratory	1(0-3-0)
252102	English II	3(3-0-6)		General Biology II	3(3-0-6)
252201	English for Academic Pu	rposes I		Introductory Physics I	3(3-0-6)
		2(2-0-4)	274102	Introductory Physics II	3(3-0-6)
252202	English for Academic Pu	rposes II	274103	Introductory Physics Labo	ratory I
		2(2-0-4)			1(0-3-0)
			275201	Elementary Statistics	3(3-0-6)

	Professional Courses	20 credits	Elective	: Major Subjects	27 credits
272220	Organic Chemistry	3(3-0-6)	Students are required to take a minimum		
272221	Organic Chemistry Labora	tory	of 18 cr	edits from the one group (M	Iarine Science,
		1(0-3-0)	Aquacu	lture, Coastal Reso	urces and
272350	Analytical Chemistry	3(3-0-6)	Environ	mental Management o	or Fisheries
272351	Analytical Chemistry Labo	ratory	Technol	logy) and take a minimum	of 9 credits
		2(0-6-0)	from oth	her groups.	
275202	Biostatistics	3(3-0-6)		Marine Science	
276201	General Biochemistry	3(3-0-6)	801301	Underwater Operation	2(1-3-2)
276202	General Biochemistry Labo	oratory	801302	Technology of Marine Survey	
		1(0-3-0)		(Archeology)	2(1-3-2)
277201	Introductory Microbiology	4(3-3-6)	802304	Marine Biochemistry	3(3-0-6)
	Major Courses	57 credits	802305	Aquatic Geochemistry	3(3-0-6)
Major S	ubjects	30 credits	802306	Aquatic Geology	3(3-0-6)
801406	Seminar in Marine Technol	ogy	821303	Aquatic Microbiology	3(2-3-4)
		1(0-2-1)	821304	Marine Biotoxins	3(3-0-6)
801407	Special Problems in Marine	!	821305	Biology of Plankton	3(2-3-4)
	Technology	2(0-6-0)	822301	Phycology	3(2-3-4)
802201	Oceanography	3(3-0-6)	823301	Physiology of Marine Anin	nals
802302	Technique in Water Quality	,			3(2-3-4)
	Analysis	3(2-3-4)	823302	Biology of Fish	3(2-3-4)
807405	Marine Resources Managen	nent	823303	Carcinology	3(2-3-4)
		3(3-0-6)	823304	Malacology	3(2-3-4)
813201	Introduction to Aquaculture		823305	Maine Invertebrate	4(3-3-6)
	Technology	3(3-0-6)	823306	Marine Vertebrate	3(2-3-4)
816204	Introduction to Marine Tech	inology		Aquaculture	
		3(3-0-6)	811301	Aquaculture Engineering I	3(2-3-4)
821201	General Physiology	3(3-0-6)	811302	Aquaculture Engineering II	3(2-3-4)
821202	Introduction to Marine Biole	ogy	811303	Aquaculture Engineering III 3(2-3-4)	
		3(2-3-4)	811304	Shrimp Pond Dynamic	3(3-0-6)
824201	General Ecology	3(2-3-4)	811305	Aquaculture Business	3(3-0-6)
824302	Marine Ecology	3(2-3-4)	811306	Aquatic Animals Nutrition	3(2-3-4)

811307	Genetics of Aquatic Animals 3(3-0-6)		806301	Selected Topics in Coastal	
812303	Sea Farming and Coastal Aquaculture			Resources and Environmental	
		3(3-0-6)		Management I	3(3-0-6)
812304	Laboratory in Sea farming a	and	806302	Selected Topics in Coastal	
	Coastal Aquaculture	3(3-0-6)		Resources and Environment	tal
812305	Marine Aquarium	2(1-3-2)		Management II	3(3-0-6)
812306	Integrated Farming of Aqua	ntic	806303	marine Resource Recreation 2(2-0-4)	
	Animals	3(3-0-60	807301	Geographic Information Sys	stem
813302	Aquatic Animal Breeding			for Coastal Resource Manag	gement
	Technology	3(3-0-6)			3(3-0-6)
813303	Laboratory in Aquatic Anir	nal	807302	Geographic Information Sy	stem
	Breeding Technology	2(0-6-0)		for Coastal Resource Mana	gement
813304	Technology of Aquatic Far	m		Laboratory	2(0-6-0)
	Management	2(2-0-4)	807303	Environmental Impact	
813305	Technology of Plankton Cu	ilture		Assessment I	3(3-0-6)
		3(3-0-6)	807304	Environmental Impact	
813401	Selected Topics in Aquacu	lture I		Assessment II	2(2-0-4)
		3(3-0-6)	807305	Environmental Impact	
813402	Selected Topics in Aquacu	lture II		Assessment Laboratory II	1(0-3-0)
		3(3-0-6)	807306	Coastal Environmental Imp	act
822302	Economic Aquatic Plants	3(2-3-4)		Assessment	3(3-0-6)
823307	General Disease and Patho	logy	807307	Principles of Integrated Coastal	
	of Aquatic Animals	3(2-3-4)	•	Zone Management	3(3-0-6)
823308	Embryology of Marine An	imals	808301	Marine Resources Conserv	ation
		3(2-3-4)			3(3-0-6)
	Coastal Resources and Env	ironmental	808302	Marine Ecotourism	2(2-0-4)
	Management		809301	Natural Resource Economi	c 3(3-0-6)
802303	wastewater Treatment	3(2-3-4)	809302	Coastal Socioeconomics	3(3-0-6)
802307	Marine Pollution	3(3-0-6)	821306	Estuarine Biology	3(3-0-6)
802308	Human Ecology	3(3-0-6)	821307	Coral Biology	3(3-0-6)
			824303	Mangrove Ecology	3(3-0-6)

	Fisheries Technology		816306	Fisheries Population Dynamic	
801303	Introduction to Law of the	Sea			3(3-0-6)
		2(2-0-4)	816307	Shell Fisheries	3(3-0-6)
801304	Principles of Navigation	3(2-3-4)	817301	Selected Topics in Marine	
801305	Introduction to Fisheries an	d		Fisheries I	2(2-0-4)
	Environmental Law	2(2-0-4)	817302	Selected Topics in Marine	
807309	Remote Sensing Technique	es s		Fisheries II	2(2-0-4)
	for Marine Resources Surve	ey	3. Free	Elective Courses	6 credits
		3(3-0-6)		Students may take at leas	st 6 credits
807310	Laboratory in Remote Sens	ing	as free	elective from courses provide	ied at
	Techniques for Marine Resources		Burapha University or other universities both		
	Survey	2(0-6-0)	in Thail	and and abroad to comple	te the
809303	Fishery Economics	3(3-0-6)	graduati	on requirement.	
816301	Fisheries Technology I	3(3-0-6)			
816302	Fisheries Technology II	3(3-0-6)	4. Train	ning Courses	200 hours
816303	Fisheries Product Technology		Students are required to take a minimum		
		3(2-3-4)	of 200 ta	raining hours.	
816305	Seafood Business	2(2-0-4)			





Faculty of Science and Liberal Arts

Faculty of Science and Liberal Arts

B	achelor of Science Pro	gram in		Humanities Group	6 credits
	Computer Information (_	255101	Information Services and	Study
-		system		Fundamentals	2(2-0-4)
Courses	Structure		257100	Ethics in Everyday Life	2(2-0-4)
	Students are required to t		258101	Speech training	292-0-4)
	n of 138 credits from the	following	259141	Man and Aesthetics	2(2-0-4)
sections:				Sociology Group	8 credits
	1. General Education Cou		265101	Introduction to Economics	2(2-0-4)
	·	30 credits	269101	Introduction to Business	2(2-0-4)
	- Language Group	14 credits	And sele	ect from the following list:	
	- Sociology Group	8 credits		Psychology in Everyday Liz	fe .
	- Humanities Group	8 credits		, 0, ,	2(2-0-4)
	2. Area of Concentration	102 credits	261102	Man and His Natural Resou	` ,
	- Core Courses	25 credits		and Environmental	2(2-0-4)
	- Professional Course	s 20 credits	262101	Man and Politics	2(2-0-4)
	- Major Courses	63 credits	,	Introduction to Law	2(2-0-4)
	3. Free Elective Courses	6 credits			
1. Gene	ral Education Courses	32 credits		Dynamics of World Affairs	
	Languages Group	12 credits		Man, Society and Culture	2(2-0-4)
251 <u>1</u> 01	Thai I	2(2-0-4)		Introduction to Sociology	2(2-0-4)
252101	English I	3(3-0-6)	2. Area	of Concentration Courses	
252102	English II	3(3-0-6)		Core Courses	27 credits
252201	English for Academic Pur	poses I		Quality Management	2(2-0-4)
		2(2-0-4)		Calculus I	3(3-0-6)
252202	English for Academic Pur	poses II		Calculus II	3(3-0-6)
		2(2-0-4)		General Chemistry	3(3-0-6)
252231	Oral English Practice	2(1-2-3)	273101	General Biology I	3(3-0-6)

274101	Introductory Physics I	3(3-0-6)	290361	Data Communication and	
274102	Introductory Physics II	3(3-0-6)		Computer Network I	3(3-0-6)
275201	Elementary Statistics	3(3-0-6)	290371	Internet Technologies	3(3-0-6)
290101	Computer and Information				
	Processing	3(3-0-6)	290481	Information Center Manage	ement
	Professional Courses	20 credits			3(3-0-6)
268202	Financial Accounting	3(2-2-5)	290491	Information System Semina	ar 1(0-2-6)
269211	Principles of Management	3(3-0-6)	290492	Computer Information Syst	em
290112	Information System Concep	ots		Project	2(0-6-0)
		3(3-0-6)		Major Elective Courses	24 credits
290215	Data Analysis	3(2-2-5)	264241	Principles of Marketing	3(3-0-6)
	Major Required Courses	39 credits	266231	Business Finance	3(3-0-6)
290211	Computer Programming	3(2-2-5)	268211	Accounting for Decision M	aking
290213	Discrete Structures	3(3-0-6)			3(3-0-6)
290214	Data Structures and Algori	thms	269212	Business Law	3(3-0-6)
		3(3-0-6)	269213	Taxation	3(3-0-6)
290251	System Analysis and Desig	n	269261	Human Resource Managen	nent
		3(3-0-6)			3(3-0-6)
290316	Operating System Concept	s 3(3-0-6)	290321	Computer Organization and	d
290317	Software Engineering	3(3-0-6)		Architetecture	3(3-0-6)
209324	Object-Oriented Programm	ning	290322	Introduction to Artificial	
,		3(3-0-6)		Intelligence	3(3-0-6)
290341	Database System	3(3-0-6)	290342	Management Information S	System
290353	Object-Oriented Analysis				3(3-0-6)
•	and Design	3(3-0-6)	290344	Decision Support Systems	3(3-0-6)

290346	Theoretical Models of Decis	sion	290462	Data Communication and	
	Making	3(3-0-6)		Computer Network II	3(3-0-6)
290347	System Simulation and Moo	leling	290483	Software Project Manageme	ent
		3(3-0-6)			3(3-0-6)
290352	Interface Design	3(3-0-6)	290493	Selected Topics in Compute	r
290363	LAN & Client/Server	3(3-0-6)		Science I	3(3-0-6)
290371	Electronic Commerce	3(3-0-6)	290494	Selected Topics in Compute	r
				Ścience II	3(2-2-5)
290372	Inteneeet Information Servi	ce	3. Free	Elective Courses	6 credits
		3(3-0-6)		Students may take at leas	t 6 credits
290382	Computer in Business	3(3-0-6)	as free	elective from courses provid	ed at Burapha
290443	Office Information Systems	3(3-0-6)	Universi	ty or other universities bo	th in Thailand
290448	Knowledge-Base Systems	3(3-0-6)	and a	broad to complete th	e graduation
290454	CASE: Computer Aid Softw	vare	requiren	nent.	
	Engineering	3(3-0-6)			



Gems College

Gems College

Bacl	helor of Business Adm	inistration	252202	English for Academic Pur	rposes II
Progr	ram in Gems and Jewel	ry Business			2(2-0-4)
_	Structure			Sciences and Mathematics	12 credits
	Students are required to 1	ake a	271111	Calculus I	3(3-0-6)
minimu	n of 135 credits from the		271112	Calculus II	3(3-0-6)
sections		iono wing	273100	Biological Science	3(3-0-6)
300110113	. 1. General Education Cou	ırses	290101	Computer and Information	
		34 credits		Processing	3(3-0-6)
	- Language Group	12 credits		Sociology Group	4 credits
	- Sciences and Mathe	matics	265101	Introduction to Economics	2(2-0-4)
		12 credits	269101	Introduction to Business	2(2-0-4)
	- Sociology Group	4 credits		Humanities Group	6 credits
	- Humanities Group	6 credits	255101	Information Services and	Study
	2. Area of Concentration	95 credits		Fundamentals	2(2-0-4)
	- Core Courses	29 credits	257100	Ethics in Everyday Life	2(2-0-4)
	- Professional Course		259141	Man and Aesthetics	2(2-0-4)
	- Major Courses	52 credits	2. Area	of Concentration Courses	98 credits
	3. Free Elective Courses	6 credits		Core Courses	29 credits
			151101	Physical Geology	3(2-3-4)
	4. Training Courses	150 hours	152201	Mineralogy	3(2-3-4)
1. Gene	eral Education Courses	31 credits	152202	Introduction to Gemstone	3(2-3-4)
051101	Languages Group	12 credits	180201	Materials Science I	3(3-0-6)
251101	Thai I	2(2-0-4)	268201	Principle of Accounting	3(3-0-6)
	English I	3(3-0-6)	269211	Principle of Business	
	English II	3(3-0-6)		Administration	3(3-0-6)
252201	English for Academic Pur	•	270310	Quality Management	2(2-0-4)
		2(2-0-4)		-	

272100	General Chemistry	3(3-0-6)		Major Elective Courses	36 credits
274111	General Physics	3(3-0-6)	154302	Gems Identification I	3(1-6-2)
275201	Elementary Statistics	3(3-0-6)	154303	Synthetic and Treated Gem	S
	Professional Courses	17 credits		Identification	3(2-3-4)
167301	Computer in Business	3(3-0-6)	155301	Diamond Grading	3(2-3-4)
170201	Gems and Jewelry Design I	3(2-2-5)	155302	Color Stones and Jewelry G	Grading
251102	Speech Training	2(2-0-4)		and Appraisal	3(2-3-4)
252231	Oral English Practice	2(1-2-3)	160404	Small and Medium Busines	s
252321	Writing I	2(2-0-4)		Management	3(3-0-6)
252371	Business English	2(2-0-4)	162403	Promotion	3(3-0-6)
	Major Required Courses	36 credits	162404	Retailing Management	3(3-0-6)
154201	Gems Identification I	3(1-6-2)	162405	Product and Price Policies	3(3-0-6)
160302	Policy for Gems and Jewelr	у	165401	Human Resource Managem	ent
	Business	3(3-0-6)			3(3-0-6)
161401	Finance for Gems and Jewe	lry	166401	Introduction to Internationa	1
	Business	3(3-0-6)		Business	3(3-0-6)
162301	Gems and Jewelry Marketin	ıg	166402	International Marketing	3(3-0-6)
		3(3-0-6)	167404	Selected Topics in Gems ar	ıd
162302	Consumer Behavior	3(3-0-6)		Jewelry Business I	1(1-0-2)
163302	Managerial Accounting	3(3-0-6)	167405	Selected Topics in Gems ar	ıd
164301	Business Law	3(3-0-6)		Jewelry Business II	1(1-0-2)
164302	Taxation for Gems and Jew	elry	167406	Gems and Jewelry Electron	ic
	Business	3(3-0-6)		Commerce	2(2-0-4)
167302	Industrial Management	3(3-0-6)	3. Free	Elective Courses	6 credits
167403	Project Management	3(3-0-6)		Students may take at least	st 6 credits
169401	Business Research Methode	ology	as free	elective from courses provide	ded at Burapha
		3(3-0-6)	Univers	ity or other universities bo	oth in Thailand
169402	Seminar in Gems and Jewe	lry	and a	broad to complete th	ne graduation
	Business	3(3-0-6)	requiren	nent.	

			0.50001	Pattale for Anadomic Boo	T
4. Training Courses		150 hours	252201	English for Academic Pur	-
. Students are rec	quired to take	a minimum of		•	2(2-0-4)
150 training hours.		•	252202	English for Academic Pur	poses II
					2(2-0-4)
Bachelor of Fi	ne Art Prog	gram in		Sciences and Mathematics	9 credits
Jeweli	y Design		271118	Introduction to Calculus	3(3-0-6)
Courses Structure	• 5	•	273100	Biological Science	3(3-0-6)
Students are r	equired to ta	ike a	290101	Computer and Information	
minimum of 135 credit	-			Processing	3(3-0-6)
sections:	g nom mo	ionoving		Sociology Group	4 credits
1. General Ed	uantion Cour	rcas	265101	Introduction to Economics	2(2-0-4)
I. General Ed	ucation Cou	31 credits	269101	Introduction to Business	2(2-0-4)
•				Humanities Group	6 credits
- Languag		12 credits	255101	Information Services and	Study
- Sciences	and Mathen	•		Fundamentals	2(2-0-4)
		9 credits	256100	Man and Civilization	2(2-0-40
- Sociolog	-	4 credits	257100	Ethics in Everyday Life	2(2-0-4)
- Humanit	-	6 credits	2. Area	of Concentration Courses	98 credits
2. Area of Co	oncentration	98 credits		Core Courses	29 credits
- Core Cor		29 credits	151101	Physical Geology	3(2-3-4)
- Professi	onal Courses	s 17 credits	152201	Mineralogy	3(2-3-4)
- Major (52 credits	152202	Introduction to Gemstone	3(2-3-4)
3. Free Electi	ve Courses	6 credits	180201	Materials Science I	3(3-0-6)
4. Training Co	ourses	150 hours	268201	Principle of Accounting	3(3-0-6)
1. General Education	Courses	31 credits	269211	Principle of Business	. 1
Languages Gr	oup	12 credits		Administration	3(3-0-6)
251101 Thai I		2(2-0-4)	270310	Quality Management	2(2-0-4)
252101 English I		3(3-0-6)	272100	General Chemistry	3(3-0-6)
252102 English II		3(3-0-6)	274111	General Physics	3(3-0-6)

275201	Elementary Statistics	3(3-0-6)	190409	Art Thesis	5(0-15-0)
	Professional Courses	17 credits		Major Elective Courses	8 credits
162301	Gems and Jewelry Marketin	ng	154201	Gems Identification I	3(1-6-2)
		3(3-0-6)	154302	Gems Identification II	3(1-6-2)
171301	Compute-Aided Design		165401	Human Resource Managem	ent
	for Jewelry	3(2-3-4)			3(3-0-6)
173201	Aesthetics	3(3-0-6)	167302	Industrial Management	3(3-0-6)
173211	Survey of Thai Arts	3(3-0-6)	174411	Selected topics in Jewelry	
173221	History of Arts	3(3-0-6)		Design	2(1-2-3)
174301	Exhibition and Presentation	2(1-2-3)	174412	Jewelry Design in Thai	
	Major Required Courses	44 credits		Traditional Art	3(2-3-40
171201	Introduction to Drawing	2(1-3-2)	174413	Metal Work	2(1-3-2)
171211	Principle of Design	2(1-3-2)	183401	Gems and Jewelry Quality	
171221	Introduction to Mechanical			Control	2(2-0-4)
	Drawing	2(1-3-2)	189301	Industrial Safety	2(2-0-4)
171331	Composition	2(1-3-2)	3. Free	Elective Courses	6 credits
172201	Jewelry Design I	3(1-4-4)		Students may take at leas	t 6 credits
172302	Jewelry Design II	3(1-4-4)	as free	elective from courses provid	ed at Burapha
172303	Jewelry Design III	3(1-4-4)	Universi	ty or other universities bo	th in Thailand
172404	Jewelry Design IV	3(1-4-4)	and al	broad to complete th	e graduation
172411	Jewelry Packaging Design	2(1-3-2)	requirem	ent.	
172421	Costume Jewelry Design	3(1-4-4)	4. Train	ning Courses	150 hours
181201	Jewelry Making	2(1-3-2)		The students are require	ed to take a
181302	Jewelry Mastering	2(1-3-2)	minimun	n of 150 training hours.	
181303	Jewelry Casing	2(1-3-2)			
181304	Plating and Enameling	2(1-3-2)			
182301	Gems Cutting and Polishing	2(1-3-2)			
182302	Colored Stone Setting	2(1-3-2)			
190405	Individual Study	2(1-3-2)			

Bachelor of Science Prog	gram in		Sciences and Mathematics	12 credits
Gemological Technolo	0 2 V	271111	Calculus I	3(3-0-6)
Courses Structure	- 64	271112	Calculus II	3(3-0-6)
Students are required to the	ake a	273100	Biological Science	3(3-0-6)
minimum of 135 credits from the	•	290101	Computer and Information	
	Tortowing		Processing	3(3-0-6)
sections:			Sociology Group	4 credits
1. General Education Cou	34 credits	265101	Introduction to Economics	2(2-0-4)
		269101	Introduction to Business	2(2-0-4)
- Language Group	12 credits		Humanities Group	6 credits
- Sciences and Mather		255101	Information Services and	Study
•	12 credits		Fundamentals	2(2-0-4)
- Sociology Group	4 credits	257100	Ethics in Everyday Life	2(2-0-4)
- Humanities Group	6 credits	259141	Man and Aesthetics	2(2-0-4)
2. Area of Concentration	95 credits	2. Area	of Concentration Courses	95 credits
- Core Courses	29 credits		Core Courses	29 credits
- Major Courses	66 credits	151101	•	3(2-3-4)
3. Free Elective Courses	6 credits	152201	Mineralogy	3(2-3-4)
4. Training Courses	150 hours		Introduction to Gemstone	3(2-3-4)
1. General Education Courses	34 credits	180201		3(3-0-6)
Languages Group	12 credits	268201		3(3-0-6)
251101 Thai I	2(2-0-4)	269211	Principle of Business	3(3 0 0)
252101 English I	3(3-0-6)	209211	Administration	3(3-0-6)
252102 English II	3(3-0-6)	270310		2(2-0-4)
252201 English for Academic Pur	poses I	270310		
' _	2(2-0-4)		•	3(3-0-6)
252202 English for Academic Pur	poses II	274111	General Physics	3(3-0-6)
	2(2-0-4)	275201	Elementary Statistics	.3(3-0-6)

	Major Required Courses	54 credits	274113	General Physics Laboratory	1(0-3-0)
153201	Crystallography and Optic		274301	Physics for Gems Technolo	gy I
	Mineralogy	3(2-3-4)			3(3-0-6)
171201	Gems and Jewelry Design	I 3(2-2-5)	274302	Physics for Gems Technolo	gy II
171301	Computer-Aided Design for	r			2(2-0-4)
	Jewelry	3(2-3-4)		Major Elective Courses	12 credits
184301	Gems and Jewelry Laborato	ory	153302	Organic Gems	3(3-0-6)
		2(0-6-0)	154201	Gems Identification I	3(1-6-2)
190402	Seminar	1(0-2-1)	154302	Gems Identification II	3(1-6-2)
190404	Special Problems	2(0-6-0)	154303	Synthetic and Treated Gem	s
271217	Calculus III	4(4-0-8)		Identification	3(2-3-4)
272220	Organic Chemistry	3(3-0-6)	155301	Diamond Grading	3(2-3-4)
272230	Physical Chemistry	3(3-0-6)	155302	Colored Stone and Jewelry	Grading
272231	Physical Chemistry Labora	tory		and Appraisal	3(3-0-6)
		1(0-3-0)	161401	Finance for Gems and Jewe	elry
272241	Inorganic Chemistry I	2(2-0-4)		Business	3(3-0-6)
272242	Inorganic Chemistry II	2(2-0-4)	162301	Gems and Jewelry Marketi	ng
272243	Inorganic Chemistry Labor	atory			3(3-0-6)
		1(0-3-0)	164302	Taxation for Gems and Jew	elry
272250	Principles of Analytical Ch	emistry			3(3-0-6)
		2(2-0-4)	165401	Human Resource Managen	nent
272251	Quantitative Analytical Che	emistry			3(3-0-6)
	Laboratory	1(0-3-0)		Industrial Management	3(3-0-6)
272356	Instrumental Chemical Ana	llysis	166401	Introduction to Internationa	
	•	2(2-0-4)		Business	3(3-0-6)
272357	Instrumental Chemical Ana	alysis		International Marketing	3(3-0-6)
	Laboratory	1(0-3-0)	182403	Plastic Jewelry	3(3-0-6)
272473	Applied Electrochemistry	3(2-5-6)	189301	Industrial Safety	2(2-0-4)
274112	General Physics II	3(3-0-6)			

252001	2001 German Language for Beginners I		Bachelor of Science Program in		
		2(2-0-4)	Gems and Jewel	у	
252002	German Language for Beg	inners II	Courses Structure		
•		2(2-0-4)	Students are required to	take a	
252003	Beginner's French Audio-	Visual I	minimum of 135 credits from the	e following	
		2(2-1-3)	sections:		
252004	Beginner's French Audio-	Visual II	1. General Education Co	ourses	
		2(2-1-3)	•	34 credits	
252231	Oral English Practice	2(1-2-3)	- Language Group	12 credits	
253101	Elementary Chinese I	3(3-2-5)	- Sciences and Math	ematics	
253102	Elementary Chinese II	3(3-2-5)		12 credits	
253103	Elementary Japanese I	3(3-2-5)	- Sociology Group	4 credits	
253104	Elementary Japanese II	3(3-2-5)	- Humanities Group	6 credits	
253105	Elementary Korean I	3(2-3-4)	2. Area of Concentratio	n 95 credits	
253106	Elementary Korean II	3(2-3-4)	- Core Courses	29 credits	
274303	Physics for Gems Technol	logy III	- Major Courses	66 credits	
		3(3-0-6)	3. Free Elective Course	s 6 credits	
3. Free	Elective Courses	6 credits	4. Training Courses	150 hours	
	Students may take at le	ast 6 credits	1. General Education Courses	34 credits	
as free	elective from courses prov	ided at Burapha	Languages Group	12 credits	
Univers	ity or other universities b	ooth in Thailand	251101 Thai I	2(2-0-4)	
and a	abroad to complete	the graduation	252101 English I	3(3-0-6)	
require	nent.		252102 English II	3(3-0-6)	
4. Trai	ning Courses	150 hours	252201 English for Academic F	urposes I	
•	Students are required to ta	ke a minimum of		2(2-0-4)	
150 trai	ning hours.		252202 English for Academic I	urposes II	
				2(2-0-4)	

	Sciences and Mathematics	12 credits		Major Required Courses	54 credits
271111	Calculus I	3(3-0-6)	153201	Crystallography and Optic	
271112	Calculus II	3(3-0-6)		Mineralogy	3(2-3-4)
273100	Biological Science	3(3-0-6)	154201	Gems Identification I	3(1-6-2)
290101	Computer and Information		154302	Gems Identification II	3(1-6-2)
	Processing	3(3-0-6)	154303	Synthetic and Treated Gem	S
	Sociology Group	4 credits	•	Identification	3(2-3-4)
265101	Introduction to Economics	2(2-0-4)	155301	Diamond Grading	3(2-3-4)
269101	Introduction to Business	2(2-0-4)	155302	Colored Stone and Jewelry	
	Humanities Group	6 credits		Grading and Appraisal	3(2-3-4)
255101	Information Services and	Study	161401	Finance for Gems and Jewe	elry
	Fundamentals	2(2-0-4)		Business	3(3-0-6)
257100	Ethics in Everyday Life	2(2-0-4)	162301	Gems and Jewelry Marketin	ng
259141	Man and Aesthetics	2(2-0-4)			3(3-0-6)
2. Årea	of Concentration Courses	95 credits	180202	Materials Science II	3(3-0-6)
	Core Courses	29 credits	181201	Jewelry Making	2(1-3-2)
151101	Physical Geology	3(2-3-4)	181302	Jewelry Mastering	2(1-3-2)
152201	Mineralogy	3(2-3-4)	181303	Jewelry Casing	2(1-3-2)
152202	Introduction to Gemstone	3(2-3-4)	181304	Plating and Enameling	2(1-3-2)
180201	Materials Science I	3(3-0-6)	182301	Gems Cutting and Polishing	g 2(1-3-2)
268201	Principle of Accounting	3(3-0-6)	182302	Colored Stone Setting	2(1-3-2)
2 69211	Principle of Business		183401	Gems and Jewelry Quality	
	Administration	3(3-0-6)		Control	2(2-0-40
270310	Quality Management	2(2-0-4)	189301	Industrial Safety	2(2-0-4)
272100	General Chemistry	3(3-0-6)	190402	Seminar	1(0-2-1)
274111	General Physics	3(3-0-6)	190403	Independent Study	1(0-2-1)
275201	Elementary Statistics	3(3-0-6)			

	Major Elective Courses	12 credits	252004	Beginner's French Audio-	Visual II
153302	Organic Gems	3(3-0-6)			2(2-1-3)
165401	Human Resource Managen	nent	252231	Oral English Practice	2(1-2-3)
		3(3-0-6)	253101	Elementary Chinese I	3(3-2-5)
166401	Introduction to Internationa	al	253102	Elementary Chinese II	3(3-2-5)
	Business	3(3-0-6)	253103	Elementary Japanese I	3(3-2-5)
166402	International Marketing	3(3-0-6)	253104	Elementary Japanese II	3(3-2-5)
170402	Gems and Jewelry Design	II	253105	Elementary Korean I	3(2-3-4)
		3(2-2-5)	253106	Elementary Korean II	3(2-3-4)
171301	Computer-Aided Design		3. Free	Elective Courses	6 credits
	for Jewelry	3(2-3-4)		Students may take at lea	st 6 credits
180303	Materials Science III	3(2-3-4)	as free	elective from courses provi	ded at Burapha
182403	Plastic Jewelry	2(1-3-2)	Univers	ity or other universities b	oth in Thailand
252001	German Language for Beg	inners I	and a	abroad to complete t	he graduation
		2(2-0-4)	require	nent.	
252002	German Language for Beg	inners II	4. Tra	ning Courses	150 hours
		2(2-0-4)		The students are requi	red to take a
252003	Beginner's French Audio-	Visual I	minimu	m of 150 training hours.	•
		2(2-1-3)			•

Srakaew Campus



Faculty of Science

Faculty of Science

Bachelor, of Technology Pr	rogram in	Professio	nal English	6 credits
Business Compute	er	212205	English for Science and	Technology I
Courses Structure				3(2-2-5)
Students are required to	take a	212206	English for Science and	Technology II
minimum of 135 credits from the	following			3(2-2-5)
sections:			Thai Group	2 credits
1.General Education Cou	irses	208101	Thai Language Skills	2(2-0-4)
	30 credits		Information Technology G	roup
Required Courses	26 credits			3 credits
- English Group	12 credits	310101	Computer and the Intern	et 3(2-2-5)
- Thai Group	2 credits		Humanities	8 credits
- Information Technolo	gy 3 credits	202101	Information Service and	Study
- Humanities Group	8 credits		Fundamentals	2(2-0-4)
- Education Group	I credits	204100	Ethics in Everyday Life	2(2-0-4)
Elective Courses	4 credits	216101	Speech for Effective	
2. Area of Concentrat	ion Courses		Communication	2(2-0-4)
	99 credits	223102	Man and His Natural Re	esources
- Core Courses	43 credits		and Environment	2(2-0-4)
- Major Required Cours	es 42 credits		Education Group	1 credits
- Major Elective Course	es 14 credits	441	Physical Activity	1(0-2-1)
3. Free Elective Courses	6 credits	Elective	Courses	4 credits
1. General Education Courses	30 credits	203103	Contemporary World Aff	airs
Required Courses	26 credits			2(2-0-4)
English Group	12 credits	216101	Speech for Effective Com	nunication
Basic English	6 credits			2(2-0-4)
212101 English I	3(3-0-6)	222102	Personality and Self Dev	elopment
212102 English II	3(3-0-6)			2(2-0-4)
212103 English III	3(3-0-6)	226101	General Economics	2(2-0-4)
212104 English IV	3(3-0-6)			

230101	General Knowledge on Bus	iness	310361	Data Communications and	l Computer
		2(2-0-4)		Networks I 3(3-0-	6)
501102	Safety in Everyday Life	2(2-0-4)	310371	Internet Technology	3(3-0-6)
2. Area	of Concentration Courses	96 credits	310372	Internet Information Service	es
	Core Courses	43 credits			3(3-0-6)
212317	Business English	2(2-0-4)	310471	Electronic Commerce	3(3-0-6)
226211	Microeconomics I	3(3-0-6)	319211	Computer Programming f	or
226212	Microeconomics I	3(3-0-6)		Business ,	3(2-2-5)
227211	Business Finance	3(3-0-6)	319331	Standardization on Hardw	are
228211	Principles of Marketing	3(3-0-6)		and Software	3(3-0-6)
229212	Financial Accounting	3(3-0-6)	319491	Seminar in Business Comp	uter
230211	Business Law	3(3-0-6)			1(0-2-1)
230221	Principles of Management	3(3-0-6)	319492	Project in Business Compu	ter
230231	Taxation	3(3-0-6)			2(0-6-0)
230411	Business Statistics and Bu	usiness	321341	Information System Conc	ept
	Research Methodology	3(3-0-6)			3(3-0-6)
301301	Quality Management	2(2-0-4)		Major Election Courses	14 credits
302111	Calculus I	3(3-0-6)	228212	Marketing Management	3(3-0-6)
302112	Calculus II	3(3-0-6)	228221	Consumer Behavior	3(3-0-6)
312201	Elementary Statistics	3(3-0-6)	228331	Product and Price Policie	s 3(3-0-6)
	Major Required Courses	42 credits	228341	Wholesaling Management	3(3-0-6)
310211	Computer Programming	3(2-2-5)	228342	Retailing Management	3(3-0-6)
310213	Discrete Structures	3(3-0-6)	228343	Purchasing Management	3(3-0-6)
310214	Data Structures and Algorit	thms	228351	Advertising and Sales Pror	
		3(3-0-6)			3(3-0-6)
310312	System Analysis and Des	ign	228352	Sales Management	3(3-0-6)
		3(3-0-6)	228361	International Marketing	3(3-0-6)
310324	Object-Oriented Programm	ning	228441	Marketing Channel and I	Physical
		3(2-2-5)		Distribution Management	3(3-0-6)
310341	Database Systems	3(3-0-6)	230321	Quantitative Analysis in	
				Management	3(3-0-6)

230421	Strategic Management	3(3-0-6)	319493	Selected Topics in Comp	uter
310311	Information Storage and I	Retrieval		Business I	3(3-0-6)
		3(3-0-6)	319494	Selected Topics in Comp	uter
310313	Software Engineering	3(3-0-6)		Business II	3(3-0-6)
310331	Operating Systems	3(3-0-6)	321342	Management Information	Systems
310332	Introduction to System				3(3-0-6)
	Programming	3(3-0-6)	321412	The Human Computer In	teraction
310411	Object-Oriented Analysis				3(3-0-6)
	and Design	3(3-0-6)	321442	Office Information System	ns
310434	System Administration	3(3-0-6)			3(3-0-6)
310454	Systems Simulation and		321483	Multimedia Technology	
	Modeling	3(3-0-6)		Presentation	3(2-2-5)
310461	Data Communications and	1	3. Free	Elective Courses	6 credits
	Computer Networks II	3(3-0-6)		Students may take at le	ast 6 credits
310462	Network Management	3(3-0-6)	as free	e elective credits from	provided at
310482	Client-Server Computing	3(3-0-6)	Burapha	u University or other univ	versities both
319321	Computer Models for Bus	siness	in Tha	ailand and aboard to c	complete the
	Decision	3(3-0-6)	graduati	on requirement.	
319322	Decision Support Softwar	e 3(2-2-5)			



Graduate School

Graduate School

Background

Created in 1977, the Graduate School offered only one program, a master's degree in education, with a major in biology. Since that time, more courses have been offered and enrollment has steadily increased to a current graduate population of approximately 2,500 students. The academic subjects taught at Burapha University fall within the areas of Business Administration, Education, Engineering, Humanities & Social Sciences, Nursing and Science.

Vision

Quality together with morality and academic leadership meeting international standards are products of the graduate school, Burapha university.

Mission

The main mission of the Graduate School, Burapha University is to develop policies, co-ordinate graduate studies, and encourage and monitor students in order to establish a reputation for the university and the country as a whole. Furthermore it wishes to produce individuals that are knowledgeable, competent, creative and moral with the ability to act as leaders both in the local community and internationally.

International links

Burapha University has developed a network of academic-cooperation linkages and academic cooperative exchange programs with several educational institutions in other counties throughout the world including Australia, Belgium, Canada, China, France, Germany, Japan, Kampuchea, Portugal, U.K., U.S.A., and Vietnam.

Admissions

Entrance Requirements

- 1. An applicant must have received a Bachelor Degree from an accredited institution.
- 2. An applicant must meet the requirement of the individual Faculties and/or Programs.

Admission is granted jointly by the Graduate School and the program in which the student plan to study. The program recommends admission to the Graduate School. The Graduate School monitors procedures, processes applications and makes the final decision on admission.

Faculty of Education

Gradu	ate Diploma Program i	n Teaching	430514	Management System in	
Courses	Structure			Education	2(2-0-4)
	Students are required to	take a	436501	Computer Application	
minimun	n of 26 credits from the f	following		for Education	2(2-0-4)
Sections	:				
	Required Courses	24 credits	M	laster of Education Prog	ram in
	Elective Courses	2 credits		Curriculum and Instruc	etion
Require	d Courses	24 credits	Course	s Structure	
402571	Foundations of Thai Educa	tion	Course	Students are required to tak	re a minimum
		3(3-0-6)	of 36 o	credits comprising the follow	
404521	Foundation of Curriculum		course		, mg
	and Instruction	3(3-0-6)	Plan A	· .	
404522	Teaching Behavior	3(1-4-4)	• ••	e Courses	8 credits
404524	Professional Experience	6(0-30-0)		or Required Courses	6 credits
415501	Psychology for Learning		-	jor Elective Courses	10 credits
	and Teaching	3(3-0-6)	The	•	12 credits
423501	Media and Instructional		Plan B		•
	Technology	3(2-2-5)	•	e Courses	8 credits
433501	Measurement and Evaluation	on		jor Required Courses	6 credits
	in Education	3(3-0-6)	_	jor Elective Courses	10 credits
Elective	Courses	2 credits		bstitute Courses for Thesis	12 credits
401572	Ethics, Education and Prof	ession	Major	Required Courses	6 credits
		2(2-0-4)	409511	Curriculum Development	
404591	Independent Study	2(0-6-0)		and Implementation	2(2-0-4)
415512	Psychology for Life and W	ork ork	409521	Models of Teaching	2(2-0-4)
		2(2-0-4)	409681	Seminar in Problems and	
420510	Lifelong Education	2(2-0-4)		Research in Curriculum,	
420543	Management of Local			Instruction or Supervision	2(2-0-4)
	Educational Programs	2(2-0-4)			

Major E	lective Courses	10 credits	409573	Development of the Superv	isory
Student r	nust select 10 credits from ea	ach group		Personality 2(2-0-4)	
Group 1	Curriculum Development		409574	Practicum in Supervision	2(2-0-4)
409512	Curriculum Theory	2(2-0-4)	409682	Seminar in Activities Mana	gement _.
409513	Local Curriculum Developr	nent		in School	2(2-0-4)
	, ,	2(2-0-4)	409683	Seminar in Construction an	d
409514	Innovation and Technology	•		Implementation of Instructi	onal
	of Curriculum	2(2-0-4)		Media in Specific Areas	2(1-2-3)
409531	Analysis of Curriculum and		Group 3	Teaching Chemistry	
	Instructional System	2(2-0-4)	409581	Seminar in the Behavioral	Aspects
409532	Evaluation of Project and			of Teaching Chemistry	2(2-0-4)
	Evaluation	2(2-0-4)	And se	lect not less than 8 cred	its from the
409533	Analysis and Development		followin	g:	
	of Curriculum Documents	2(2-0-4)	303321	Spectroscopy of Organic	
409541	Curriculum and Instructions	al		Compounds	3(3-0-6)
	Management	2(2-0-4)	303322	Organic Chemistry III	3(3-0-6)
409551	Education for the Future	2(2-0-4)	303323	Organic Chemistry Laborat	ory II
409572	Practicum in Curriculum	2(1-2-3)			2(0-6-0)
Group 2	Supervision in Teaching		303331	Physical Chemistry II	3(3-0-6)
409515	Innovation and Technology		303332	Physical Chemistry Labora	tory II
	of Supervision	2(2-0-4)			1(0-3-0)
409522	Strategies of Supervision	2(2-0-4)	303333	Physical Chemistry III	3(3-0-6)
409523	Behavior of Teaching Supe	rvision	303341	Inorganic Chemistry III	2(2-0-4)
	in School	2(2-0-4)	303350	Analytical Chemistry	3(3-0-6)
409524	Supervision Techniques		303351	Analytical Chemistry Labo	ratory
	Development	2(2-0-4)		v	2(0-6-0)
409534	Evaluation in Teaching	•	303356	Chemical Instrumental Ana	lysis
	Supervision	2(2-0-4)			2(2-0-4)
409542	Administrative and Teachin	g	303357	Chemical Instrumental Ana	llysis
	Supervision in School	2(2-0-4)		Laboratory	1(0-3-0)
		·	303421	Stereochemistry	2(2-0-4)

303423	Natural Product	2(2-0-4)	303482	Petroleum Chemistry	2(2-0-4)
303425	Organic Synthesis	2(2-0-4)	311401	Food Product Chemistry	2(2-0-4)
303427	Photochemistry	2(2-0-4)	Group 4	Teaching Biology	*
303428	Organic Chemistry Labora	tory III	409582	Seminar in the Behavioral	Aspects
		2(0-6-0)		of Teaching Biology	2(2-0-4)
303429	Selected Topics in Organic		And sel	ect not less than eight cre-	dits from the
	Chemistry	2(2-0-4)	followin	g:	
303433	Quantum Chemistry	2(2-0-4)	306511	Biology of Cell and Molecu	ıle
303435	Surface Chemistry	2(2-0-4)			3(3-0-6)
303439	Selected Topics in Physical		306531	Advanced Animal Taxonon	ny
	Chemistry	2(2-0-4)			3(2-3-4)
303441	Inorganic Chemistry IV	2(2-0-4)	306534	Animal Ecology	3(2-3-4)
303442	Inorganic Chemistry Labor	atory	306536	Protozoology	3(2-3-4)
		1(0-3-0)	306537	Parasitology	3(2-3-4)
303443	Bioinorganic Chemistry	2(2-0-4)	306541	Advanced Flowering Plant	
303445	Organometallic Chemistry	2(2-0-4)		Taxonomy ·	3(2-3-4)
303447	Spectroscopy of Inorganic		306542	Plant Ecology	3(2-3-4)
	Compounds	2(2-0-4)	306543	Phycology	3(2-3-4)
303449	Selected Topics in Inorgani	c	306544	Mycology	3(2-3-4)
	Chemistry	2(2-0-4)	306545	Lower Vascular Plant Biolo	gy
303451	Chemical Separations	2(2-0-4)			3(2-3-4)
303459	Selected Topics in Analytic	al	306546	Aquatic Plants	3(2-3-4)
	Chemistry	2(2-0-4)	306547	Plant Microtechniques	3(2-3-4)
303471	Chemical Literature	2(2-0-4)	306636	Animal Microtechniques	3(2-3-4)
303472	Nuclear Chemistry	2(2-0-4)	306641	Plant Morphogenesis	3(2-3-4)
303473	Applied Electrochemistry	3(2-0-4)	Group 5	Teaching Physics	
303474	Polymer Science	2(2-0-4)	409583	Seminar in the Behavioral A	Aspects
303475	Environment Chemistry	2(2-0-4)		of Teaching Physics	2(2-0-4)
303476	Pharmaceutical Chemistry	2(2-0-4)	And sele	ect not less than eight cree	lits from the
303477	Cosmetic Chemistry	2(2-0-4)	followin	g:	
303481	Industrial Chemistry	2(2-0-4)	308312	Mechanics II	3(3-0-6)

308372	Electronics I	3(3-0-6)	302502	Advanced Linear Algebra	3(3-0-6)
308373	Electronics Laboratory I	1(0-3-0)	302503	Mathematical Statistics	3(3-0-6)
308414	Introduction to Astrophysic	s3(3-0-6)	302504	Vector Analysis	3(3-0-6)
308432	Applied Optics	3(3-0-6)	Group 7	Teaching Arts	1
308452	Nuclear Physics II	3(3-0-6)	409585	Seminar in the Behavioral	Aspects
308471	Electronics II	3(3-0-6)		of Teaching Arts	2(2-0-4)
308472	Electronics Laboratory II	1(0-3-0)	And sel	ect not less than eight cre	dits from the
308483	Atmospheric Physics	3(3-0-6)	followin	g:	
308501	Mathematical Methods of		619502	Aesthetics	2(2-0-4)
	Theoretical Physics I	3(3-0-6)	619504	Philosophy of Art Education	on2(2-0-4)
308511	Classical Mechanics I	3(3-0-6)	619511	Advanced Visual Art I	2(2-0-4)
308541	Classical Theory of		619512	Advanced Visual Art II	2(2-0-4)
	Electromagnetism	3(3-0-6)	619516	Advanced Visual Art III	2(2-0-4)
308581	Selected Topics in Physics		619514	Advanced Visual Art IV	2(2-0-4)
	for Teachers	3(3-0-6)	Thesis		12 credits
Group (Teaching Mathematics		449694	Thesis	12(0-0-48)
409584	Seminar in the Behavioral	Aspects	Substitu	ite Courses for Thesis	12 credits
	of Teaching Mathematics	2(2-0-4)	409641	Information Management	or .
And se	lect not less than eight cre	dits from the		Curriculum and Instruction	nal
followin	ng:			Development	3(3-0-6)
302425	Abstract Algebra II	3(3-0-6)	409691	Research in Curriculum an	d
302473	Introduction to Numerical			Instruction	3(3-0-6)
	Analysis	3(3-0-6)	409692	Advanced Academic Writi	ng6(0-18-0)
302501	Mathematical Analysis	3(3-0-6)			

īM	laster of Education Prog	ram in	420510	Lifelong Education	2(2-0-4)
142	_		420543		2(2 0 4)
-	Educational Administr	ation		Educational Programs	2(2-0-4)
Course	s Structure		430514	Management Systems of E	, ,
	Students are required to tal			or and a second of the	2(2-0-4)
of 28 c	redits comprising the follow	wing areas of	Deanire	ed Courses	8 credits
course v	vork:		-	Principles of Educational	o credits
Plan A			430311	Administration	2(2.0.6)
Req	uired Courses	12 credits	420512		3(3-0-6)
Elec	tive Courses	4 credits		Policy and Planning	3(3-0-6)
The	sis	12 credits	430331	Human Resources Develop	
Plan B	•				3(3-0-6)
Requ	uired Courses	12 credits		Educational Leadership	3(3-0-6)
Elec	tive Courses	13 credits	Elective	Courses	
Inde	pendent Study	3 credits		Plan A	4 credits
Basic E	ducation	8 credits		Plan B	12 credits
402572	Advanced Foundations of	·	430513	Organizational Networks	
	Education	2(2-0-4)		Administration	3(3-0-6)
434521	Research Methods in Behav	vioral	430515	Project Management and	
	and Social Sciences	3(3-0-6)		Evaluation	3(3-0-6)
435511	Statistical Methods for Rese	earch	430521	Law for Administrators	3(3-0-6)
		3(3-0-6)	430522	Financial and Budget	
	Students who do not hold a	a Bachelor of		Administration	3(3-0-6)
Education	n must take seven more cre	dits from the	430541	Economics for Educational	
followin	g courses:			Administrations	3(3-0-6)
401572	Ethics Education and Profes	ssion	430542	Politics of Education	3(3-0-6)
		2(2-0-4)	430551	Ethics for Administrators	3(3-0-6)
404521	Foundations of Curriculum	and	430556	Research in Educational	
	Instruction	3(3-0-6)		Administration	3(3-0-6)
415512	Psychology for Life and Wo	•	430561	Information Management	3(3-0-6)
		2(2-0-4)	430562	System Analysis	3(3-0-6)
	•		430563	Organization Development	3(3-0-6)

430564	Quality and Standards of		401502			
	Education Management	3(3-0-6)		of Education	2(2-0-4)	
430571	Analysis of Educational		401504	Historical Foundations		
	Supervision	3(3-0-6)		of Education	2(2-0-4)	
430581	Seminar in Educational		401505	Comparative and Internation	onal	
	Administration	3(3-0-6)		Education	2(2-0-4)	
Thesis		12 credits	401507	Professional Ethics	2(2-0-4)	
430699	Thesis	12(0-0-36)	401508	Economic Foundations		
Indepe	ndent Study	3 credits		of Education	2(2-0-4)	
430698	Independent Studies	3(0-0-9)	401509	Psychological Foundations		
				for Life and Work	2(2-0-4)	
M	oster of Education Pro	ram in	416503	Psychological Foundations		
Master of Education Program in			of Education	2(2-0-4)		
Educational Technology		423506	Foundations of Educationa	1		
Course	s Structure			Technology	2(2-0-4)	
	Students are required to ta	•	434522	Data Collection Technique	s and	
of 43 c	redits comprising the follo	wing areas of		Research Tool Construction2(2-0-4)		
course v	vork:		435513	Inferential Statistics	2(2-0-4)	
Core Co	ourses	10 credits	435514	Statistical Designs of		
Major R	Required Courses	15 credits		Experiment	2(2-0-4)	
Major E	Elective Courses	6 credits	436511	Computer for Research	2(2-0-4)	
Thesis		12 credits	Student	s who do not hold Bachelo	or's degree in	
Core C	ourses	10 credits	Educati	on, must take 4 more cre	dits from the	
434521	Research Methods in Beha	vioral	followin	ng areas:		
	and Social Science	3(3-0-6)	401500	Education and Society	2(2-0-4)	
435511	Statistical Methods for Res	search	404361	General Method of Teaching	ng 2(2-1-3)	
		3(3-0-6)	OR			
And for	ur credit hours must be sele	ected from the	423301	Instructional Media	2(2-1-3)	
followir	ng:		416301	Educational Psychology	2(2-0-4)	
401501	Philosophical Foundations		OR	, 3,	, ,	
	of Education	2(2-0-4)	433401	Educational Measurement	2(2-0-4)	
			155-101		_(= 0 1)	

423510 Research and Theory in Educational Technology 2(2-0-4) Master of Education Program in 423511 Instructional Design 2(2-0-4) Elementary Education 423512 Research in Educational Technology 2(2-0-4) Students are required to take a minimum of 45 credits comprising the following areas of course work: 423513 Field Profession and Theory in Educational Technology 2(2-0-4) Cognitive Psychology and Instructional Theory 2(2-0-4) Major Course 10 credits 423600 Design for Instructional Addia Production 2(1-2-3) Field Profession and Theory 17 credits 423620 Development of Human Resource 2(2-0-4) Thesis 12 credits 423620 Thesis 12 credits 423620 Thesis 12 credits						
423510 Research and Theory in Educational Technology 2(2-0-4) 423511 Instructional Design 2(2-0-4) 423512 Research in Educational Technology 2(2-0-4) 423513 Field Profession and Theory in Educational Technology 2(2-0-4) 423600 Cognitive Psychology and Instructional Theory 2(2-0-4) 423610 Design for Instructional Media Production 2(1-2-3) 423620 Development of Human Resource 2(2-0-4) 423620 Development of Human Resource 2(2-0-4) 423520 Individualized Instruction 2(2-0-4) 423521 Mass Media and Education 2(2-0-4) 423522 Integration of Instructional Media in Curriculum 2(2-0-4) 423523 Radio Program Production for Education 2(1-2-3) 423524 Television Program Production for Education 2(1-2-3) 423525 Management of Educational Technology Program 2(2-0-4) 423527 Utilization of Audio-Visual Equipment and Materials 2(1-2-3) 423530 Computer for Education 2(1-2-3) 423531 Computer for Education 2(1-2-3)	Major I	Required Courses	16 credits	Thesis		12 credits
Educational Technology 2(2-0-4)	423500	Computer Education I	2(1-2-3)	414699	Thesis	12(0-0-36)
A23511 Instructional Design 2(2-0-4) Elementary Education	423510	Research and Theory in				
Research in Educational Technology 2(2-0-4) Students are required to take a minimum of 45 credits comprising the following areas of course work: Core Course work: Core Course work:		Educational Technology	2(2-0-4)	M	aster of Education Progr	am in
Technology 2(2-0-4) 423513 Field Profession and Theory in Educational Technology 2(2-0-4) 423600 Cognitive Psychology and Instructional Theory 2(2-0-4) 423610 Design for Instructional Media Production 2(1-2-3) 423620 Development of Human Resource 2(2-0-4) 423620 Individualized Instructional Media and Education 2(2-0-4) 423521 Mass Media and Education 2(2-0-4) 423522 Integration of Instructional Media in Curriculum 2(2-0-4) 423523 Radio Program Production for Education 2(1-2-3) 423524 Television Program Production for Education 2(1-2-3) 423525 Integration of Audio-Visual Equipment and Materials 2(1-2-3) 423527 Utilization of Audio-Visual Equipment and Materials 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) 423532 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) 423532 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(1-2-3)	423511	Instructional Design	2(2-0-4)		Elementary Education	n
Field Profession and Theory in Educational Technology 2(2-0-4) 423600 Cognitive Psychology and Instructional Theory 2(2-0-4) 423610 Design for Instructional Theory 2(1-2-3) 423620 Development of Human Resource 2(2-0-4) 423620 Individualized Instruction 2(2-0-4) 423521 Mass Media and Education 2(2-0-4) 423522 Integration of Instructional Media in Curriculum 2(2-0-4) 423523 Radio Program Production 2(1-2-3) 423524 Television Program Production for Education 2(1-2-3) 423525 Management of Educational Technology Program 2(2-0-4) 423526 Still Picture Photography 2(1-2-3) 423527 Utilization of Audio-Visual Equipment and Materials 2(1-2-3) 423530 Computer for Education 2(1-2-3) 423531 Computer Multimedia 2(1-2-3)	423512	Research in Educational		Course	Structure	
423513 Field Profession and Theory in Educational Technology 2(2-0-4) 423600 Cognitive Psychology and Instructional Theory 2(2-0-4) 423610 Design for Instructional Media Production 2(1-2-3) 423620 Development of Human Resource 2(2-0-4) 423620 Individualized Instruction 2(2-0-4) 423520 Individualized Instruction 2(2-0-4) 423521 Research Methods in Behavioral 423522 Integration of Instructional Media in Curriculum 2(2-0-4) 423523 Radio Program Production for Education 2(1-2-3) 423524 Television Program Production for Education 2(1-2-3) 423525 Statistical Methods for Research 423526 Still Picture Photography 2(1-2-3) 423527 Utilization of Audio-Visual Equipment and Materials 2(1-2-3) 423530 Computer for Education 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) 423532 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(1-2-3)		Technology	2(2-0-4)		Students are required to take	a minimum
In Educational Technology 2(2-0-4)	423513	Field Profession and Theory	<i>'</i>	of 45 cre	-	
Instructional Theory 2(2-0-4) Agjor Course 21 credits Prequired Courses 17 credits Resource 2(2-0-4) Agjor Elective Courses 4 credits Resource 2(2-0-4) Agjor Elective Courses 4 credits Resource 2(2-0-4) Agjor Elective Courses 4 credits Thesis 12 credits Core courses 10 credits Thesis 12 credits Core courses 10 credits Agjor Elective Courses 4 credits Thesis 12 credits Core courses 10 credits Adjor Elective Courses 10 credits Core courses 10 credits Adjor Elective Courses 10 credits Core courses 10 credits Adjor Elective Courses 12 credits Core courses 10 credits Adjor Elective Courses 2 credits Core courses 10 credits Adjor Elective Courses 2 credits Core courses 10 credits Adjor Elective Courses 2 credits Core courses 12 credits Thesis 12 credits Core courses 12 credits Adjor Elective Courses 4 credits Adjor Elective Courses 4 credits Adjor Elective Courses 12 credits Free elective Courses 12 credits Free elective Courses 12 credits Adjor Electiv		in Educational Technology	2(2-0-4)		, -	,
Major Course 17 credits 17 credits 18 credits	423600	Cognitive Psychology and		Core Co	urses	10 credits
Media Production 2(1-2-3) - Elective Courses 4 credits		Instructional Theory	2(2-0-4)	Major C	ourse	21 credits
A credits Resource Resource 2(2-0-4) Major Elective Courses 6 credits Core courses 10 credits Ad4521 Research Methods in Behavioral 423520 Integration of Instructional Media in Curriculum 2(2-0-4) 423523 Radio Program Production for Education 2(1-2-3) 423524 Television Program Production for Education 2(1-2-3) 423525 Management of Educational Technology Program 2(2-0-4) 423526 Still Picture Photography 2(1-2-3) 423527 Utilization of Audio-Visual Equipment and Materials 2(1-2-3) 423530 Computer for Education 2(1-2-3) 423531 Computer Multimedia 2(2-0-4) 423531 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(2-0-4) 423531 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 423530 Computer Multimedia 42	423610	Design for Instructional		- Requir	red Courses	17 credits
Resource 2(2-0-4) Thesis 12 credits Major Elective Courses 6 credits Core courses 10 credits 423520 Individualized Instruction 2(2-0-4) 423521 Mass Media and Education 2(2-0-4) 423522 Integration of Instructional Media in Curriculum 2(2-0-4) 423523 Radio Program Production for Education 2(1-2-3) 423524 Television Program Production for Education 2(1-2-3) 423525 Management of Educational Technology Program 2(2-0-4) 423526 Still Picture Photography 2(1-2-3) 423527 Utilization of Audio-Visual Equipment and Materials 2(1-2-3) 423530 Computer Multimedia 2(1-2-3) Free elective Courses 12 credits Thesis Core courses: 10 credits Core courses: 12 credits Core courses: 1434521 Research Methods in Behavioral and Social Science 3(3-0-6) 4345511 Statistical Methods for Research And four credit hours must be selected from the following courses: 401501 Philosophical Foundations of Education 2(2-0-4) 401502 Sociological Foundations of Education 2(2-0-4) 401504 Historical Foundations of Education 2(2-0-4) 401505 Comparative and International 401505 Comparative and International Education 2(2-0-4)		Media Production	2(1-2-3)	- Electi	ve Courses	4 credits
Major Elective Courses 6 credits Core courses 10 credits 423520 Individualized Instruction 2(2-0-4) 434521 Research Methods in Behavioral 423521 Mass Media and Education 2(2-0-4) and Social Science 3(3-0-6) 423522 Integration of Instructional 435511 Statistical Methods for Research Media in Curriculum 2(2-0-4) And four credit hours must be selected from the for Education 610lowing courses: 423524 Television Program Production for Education 401501 Philosophical Foundations of Education 423525 Management of Educational Technology Program 2(2-0-4) 401502 Sociological Foundations of Education 426526 Still Picture Photography 2(1-2-3) 401504 Historical Foundations of Education 423527 Utilization of Audio-Visual Equipment and Materials 2(1-2-3) 401505 Comparative and International 423530 Computer for Education 2(1-2-3) 401505 Education 2(2-0-4)	423620	Development of Human		Free elec	ctive Courses	2 credits
Core courses 10 credits 423520 Individualized Instruction 2(2-0-4) 423521 Mass Media and Education 2(2-0-4) 423522 Integration of Instructional Media in Curriculum 2(2-0-4) 423523 Radio Program Production for Education 2(1-2-3) 423524 Television Program Production for Education 2(1-2-3) 423525 Management of Educational Technology Program 2(2-0-4) 423526 Still Picture Photography 2(1-2-3) 423527 Utilization of Audio-Visual Equipment and Materials 2(1-2-3) 423528 Computer Multimedia 2(1-2-3) 423529 Computer Multimedia 2(1-2-3) 423520 Computer Multimedia 2(1-2-3) 423521 Computer Multimedia 2(1-2-3) 423521 Computer Multimedia 2(1-2-3) 423522 Computer Multimedia 2(1-2-3) 423523 Computer Multimedia 2(1-2-3)		Resource		Thesis		12 credits
423521 Mass Media and Education 2(2-0-4) 423522 Integration of Instructional Media in Curriculum 2(2-0-4) 423523 Radio Program Production for Education 2(1-2-3) 423524 Television Program Production for Education 2(1-2-3) 423525 Management of Educational Technology Program 2(2-0-4) 426526 Still Picture Photography 2(1-2-3) 423527 Utilization of Audio-Visual Equipment and Materials 2(1-2-3) 423530 Computer Multimedia 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) 423522 Integration of Instructional 2(2-0-4) 435511 Statistical Methods for Research 3(3-0-6) 435511 Statistical Methods for Research 60llowing courses: 401501 Philosophical Foundations of Education 2(2-0-4) 401502 Sociological Foundations of Education 2(2-0-4) 401504 Historical Foundations of Education 2(2-0-4) 401505 Comparative and International Education 2(2-0-4)	Major F	Elective Courses	6 credits	Core cor	urses	10 credits
423522 Integration of Instructional Media in Curriculum 2(2-0-4) 435511 Statistical Methods for Research Media in Curriculum 2(2-0-4) And four credit hours must be selected from the for Education for Education 2(1-2-3) 401501 Philosophical Foundations of Education 2(2-0-4) 423525 Management of Educational Technology Program 2(2-0-4) 426526 Still Picture Photography 2(1-2-3) Equipment and Materials 2(1-2-3) 401504 Historical Foundations of Education Education 2(2-0-4) 401505 Comparative and International Education 2(2-0-4) 401505 Comparative and International Education 2(2-0-4)	423520	Individualized Instruction	2(2-0-4)	434521	Research Methods in Behavi	ioral
Media in Curriculum 2(2-0-4) 423523 Radio Program Production for Education 2(1-2-3) 423524 Television Program Production for Education 2(1-2-3) 423525 Management of Educational Technology Program 2(2-0-4) 426526 Still Picture Photography 2(1-2-3) Equipment and Materials 2(1-2-3) Equipment and Materials 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) And four credit hours must be selected from the following courses: 401501 Philosophical Foundations of Education 2(2-0-4) 401502 Sociological Foundations of Education 2(2-0-4) 401504 Historical Foundations of Education 2(2-0-4) 401505 Comparative and International Education 2(2-0-4) Education 2(2-0-4)	423521	Mass Media and Education	2(2-0-4)		and Social Science	3(3-0-6)
Radio Program Production for Education 2(1-2-3) 423524 Television Program Production for Education 2(1-2-3) 401501 Philosophical Foundations of Education 2(2-0-4) 423525 Management of Educational Technology Program 2(2-0-4) 426526 Still Picture Photography 2(1-2-3) Equipment and Materials Equipment and Materials 2(1-2-3) 401504 Historical Foundations of Education 2(2-0-4) 401505 Education 2(2-0-4) 401506 Education 2(2-0-4) 401507 Education 2(2-0-4) 401508 Education 2(2-0-4) 401509 Education 2(2-0-4) Education Education 2(2-0-4) Education 2(2-0-4) Education 2(2-0-4) Education Education 2(2-0-4)	423522	_		435511	Statistical Methods for Rese	arch
for Education 2(1-2-3) 423524 Television Program Production for Education 2(1-2-3) 423525 Management of Educational Technology Program 2(2-0-4) 426526 Still Picture Photography 2(1-2-3) Equipment and Materials 2(1-2-3) 423531 Computer Multimedia 2(1-2-3) And four credit hours must be selected from the following courses: 401501 Philosophical Foundations of Education 2(2-0-4) 401502 Sociological Foundations of Education 2(2-0-4) 401504 Historical Foundations of Education 2(2-0-4) 401505 Comparative and International Education 2(2-0-4)			2(2-0-4)			3(3-0-6)
following courses: 423524 Television Program Production for Education 2(1-2-3) 423525 Management of Educational Technology Program 2(2-0-4) 426526 Still Picture Photography 421527 Utilization of Audio-Visual Equipment and Materials Equipment and Materials 2(1-2-3) 401502 Sociological Foundations of Education 2(2-0-4) 401504 Historical Foundations of Education 2(2-0-4) 401505 Comparative and International Education 2(2-0-4) 401505 Comparative and International Education 2(2-0-4)	423523	_		And four	r credit hours must be selected	i from the
for Education 2(1-2-3) 423525 Management of Educational Technology Program 2(2-0-4) 426526 Still Picture Photography 2(1-2-3) 401502 Sociological Foundations of Education 2(2-0-4) 401504 Historical Foundations of Education 2(2-0-4) 401505 Comparative and International Education 2(2-0-4) 401506 Education 2(2-0-4) 401507 Education 2(2-0-4) 401508 Education 2(2-0-4) 401509 Education 2(2-0-4)			, ,	following	g courses:	
423525 Management of Educational Technology Program 2(2-0-4) 426526 Still Picture Photography 2(1-2-3) 401502 Sociological Foundations of Education 2(2-0-4) 401504 Historical Foundations of Education 2(2-0-4) 401505 Comparative and International 401505 Computer Multimedia 401506 Sociological Foundations of 401506 Education 2(2-0-4) 401507 Education 2(2-0-4) 401508 Comparative and International 401508 Education 2(2-0-4)	423524	_		401501	Philosophical Foundations o	f
Technology Program 2(2-0-4) 426526 Still Picture Photography 2(1-2-3) 423527 Utilization of Audio-Visual Equipment and Materials 2(1-2-3) 423530 Computer for Education 2(1-2-3) Education 2(2-0-4) 401505 Comparative and International Education 2(2-0-4) Education 2(2-0-4) Education 2(2-0-4)					Education	2(2-0-4)
426526 Still Picture Photography 2(1-2-3) 421527 Utilization of Audio-Visual Equipment and Materials 2(1-2-3) 421508 Computer for Education 2(1-2-3) 421508 Education 2(2-0-4) 421509 Education 2(2-0-4) 421509 Comparative and International 421509 Education 2(2-0-4) 421509 Education 2(2-0-4)	423525	_		401502	Sociological Foundations of	ı
423527 Utilization of Audio-Visual Education 2(2-0-4) Equipment and Materials 2(1-2-3) 401504 Historical Foundations of Education 2(2-0-4) 401505 Comparative and International Education 2(2-0-4) Education 2(2-0-4)	106506		•		Education	2(2-0-4)
Equipment and Materials 2(1-2-3) Equipment and Materials 2(1-2-3) 401505 Comparative and International Education 2(2-0-4) 401505 Comparative and International Education 2(2-0-4)			•	401504	Historical Foundations of	
423530 Computer for Education 2(1-2-3) Education 2(2-0-4)	423521				Education	2(2-0-4)
42353 Computer Multimedia 2(1-2-3)	422520	• •		401505	Comparative and Internation	al
401507 Professional Ethics 2(2-0-4)		•				
	423331	Computer Multimedia	±(1 ≠ ∪)	401507	Professional Ethics	2(2-0-4)

401508	Economic Foundations of		406522	Problems and Techniques in	ı .
	Education	2(2-0-4)		Teaching Mathematics	
415509	Psychological Foundations	for		in Elementary School	2(2-0-4)
	Life and Work	2(2-0-4)	406523	Problems and Techniques in	ว
416503	Psychological Foundations	of Education		Teaching Life Experiences	2(2-0-4)
		2(2-0-4)	406524	Problems and Techniques in	1
423506	Foundations of Educational	Technology		Teaching Character Educati	ion
		2(2-0-4)			2(2-0-4)
434522	Data Collection Techniques	s and	406525	Problems and Techniques in	n
	Research Tool Construction	1 2(2-0-4)		Teaching Work Experience	2(2-0-4)
435513	Inferential Statistics	3(3-0-6)	406582	Seminar in Administration	and
435514	Statistical Designs for Expe	eriments		Supervision in Elementary	School
		2(2-0-4)			2(2-0-4)
436511	Computers for Research	2(2-0-4)	406681	Seminar in Behavior and	
Students who do not hold a Bachelor's degree in		's degree in		Development of Elementary	
Education must take 9 more credits from the				,	
Education	on must take 9 more credits f	rom the		School Children	2(2-0-4)
	on must take 9 more credits fing courses:	rom the	Elective (2(2-0-4) 4 credits
followin		2(2-0-4)	Elective (4 credits
followin	g courses: Education and Society	2(2-0-4)		Courses	4 credits
followin 401500	g courses: Education and Society	2(2-0-4)		Courses Theory and Practicum in Co	4 credits
followin 401500	g courses: Education and Society	2(2-0-4) ag		Courses Theory and Practicum in Co Development of Early Chile	4 credits urriculum thood 3(3-0-6)
followin 401500 404361	g courses: Education and Society General Method of Teaching	2(2-0-4) ag 2(2-1-3)	405511	Courses Theory and Practicum in Control Development of Early Child Education	4 credits urriculum thood 3(3-0-6)
followin 401500 404361 423301	g courses: Education and Society General Method of Teachin Instructional Media	2(2-0-4) ag 2(2-1-3) 2(2-1-3)	405511	Courses Theory and Practicum in Control Development of Early Child Education Creative Activities for Early	4 credits urriculum dhood 3(3-0-6)
followin 401500 404361 423301 416301	g courses: Education and Society General Method of Teachin Instructional Media Educational Psychology Computer Education II	2(2-0-4) ag 2(2-1-3) 2(2-1-3) 2(2-0-4)	405511	Courses Theory and Practicum in Control Development of Early Child Education Creative Activities for Early Childhood	4 credits urriculum dhood 3(3-0-6)
followin 401500 404361 423301 416301 423530	g courses: Education and Society General Method of Teachin Instructional Media Educational Psychology Computer Education II	2(2-0-4) ag 2(2-1-3) 2(2-1-3) 2(2-0-4) 2(2-0-4)	405511	Theory and Practicum in Control Development of Early Child Education Creative Activities for Early Childhood Education for Parents of Early	4 credits urriculum dhood 3(3-0-6) 2(2-0-4) rly 2(2-0-4)
followin 401500 404361 423301 416301 423530 Major (Required	g courses: Education and Society General Method of Teachin Instructional Media Educational Psychology Computer Education II	2(2-0-4) ag 2(2-1-3) 2(2-1-3) 2(2-0-4) 2(2-0-4) 21 credits 17 credits	405511 405531 405541	Theory and Practicum in Control Development of Early Child Education Creative Activities for Early Childhood Education for Parents of Early Childhood	4 credits urriculum dhood 3(3-0-6) 2(2-0-4) rly 2(2-0-4)
followin 401500 404361 423301 416301 423530 Major (Required	g courses: Education and Society General Method of Teachin Instructional Media Educational Psychology Computer Education II Courses	2(2-0-4) ag 2(2-1-3) 2(2-1-3) 2(2-0-4) 2(2-0-4) 21 credits 17 credits	405511 405531 405541 406504	Theory and Practicum in Control Development of Early Child Education Creative Activities for Early Childhood Education for Parents of Early Childhood Education for Children with	4 credits urriculum dhood 3(3-0-6) y 2(2-0-4) rly 2(2-0-4)
followin 401500 404361 423301 416301 423530 Major (Required	g courses: Education and Society General Method of Teachin Instructional Media Educational Psychology Computer Education II Courses Courses Curriculum and Instruction	2(2-0-4) ag 2(2-1-3) 2(2-1-3) 2(2-0-4) 2(2-0-4) 21 credits 17 credits	405511 405531 405541 406504	Theory and Practicum in Control Development of Early Child Education Creative Activities for Early Childhood Education for Parents of Early Childhood Education for Children with Special Needs	4 credits urriculum dhood
followin 401500 404361 423301 416301 423530 Major (Required 406511	g courses: Education and Society General Method of Teachin Instructional Media Educational Psychology Computer Education II Courses Courses Curriculum and Instruction Development in Elementary	2(2-0-4) ag 2(2-1-3) 2(2-1-3) 2(2-0-4) 2(2-0-4) 21 credits 17 credits al	405511 405531 405541 406504	Theory and Practicum in Control Development of Early Child Education Creative Activities for Early Childhood Education for Parents of Early Childhood Education for Children with Special Needs Bases of Oral Communication	4 credits urriculum dhood
followin 401500 404361 423301 416301 423530 Major (Required 406511	g courses: Education and Society General Method of Teachin Instructional Media Educational Psychology Computer Education II Courses Courses Curriculum and Instruction Development in Elementary Education	2(2-0-4) ag 2(2-1-3) 2(2-1-3) 2(2-0-4) 2(2-0-4) 21 credits 17 credits al y 3(3-0-6) n Teaching	405511 405531 405541 406504 406512	Theory and Practicum in Control Development of Early Child Education Creative Activities for Early Childhood Education for Parents of Early Childhood Education for Children with Special Needs Bases of Oral Communication	4 credits arriculum dhood 3(3-0-6) 2(2-0-4) rly 2(2-0-4) 1 2(2-0-4) 1 3(3-0-6)

406514	Mathematics in Elementary	School	406586	Seminar and Praticum in Te	aching
		3(3-0-6)		Mathematics for In-service	Teachers
406515	Science Education in Eleme	entary			2(2-0-4)
	School	3(3-0-6)	406587	Seminar and Practicum in T	eaching
406516	Innovation and Technology	and		Life Experiences Area	
	Change in Teaching Social			for In-service Teachers	2(2-0-4)
	Studies	3(3-0-6)	406588	Seminar and Practicum in T	eaching
406526	Reading	2(2-0-4)		Character Education for In-	service
406531	Measurement and Evaluation	on in		Teachers	2(2-0-4)
	Elementary School	2(2-0-4)	406589	Seminar and Practicum in T	eaching
406532	Guidance in Elementary Sci	hool		Work Experiences	
		3(3-0-6)		for In-service Teachers	2(2-0-4)
406541	Role of the Elementary Sch	ool	406591	Independent Study	2(2-0-4)
	in the Community	2(2-0-4)	406601	Development of Teaching	
406551	Development and Analysis	of		Competence in Elementary	School
	Textbooks and Educational	Media		Teachers	2(2-0-4)
		2(2-0-4)	406611	Group Behavior	2(2-0-4)
406581	Seminar in Behavior and De	evelopment	406621	Speech Therapy in Element	ary
	of Elementary School Child	lren		School	3(3-0-6)
		2(2-0-4)	406625	Critique of Children Literat	ure
406583	Seminar and Practicum in T	eaching			2(2-0-4)
	Values and Ethics	2(2-0-4)	406641	Elementary Education in	
406584	Seminar and Practicum for	In-service		South East Asia	2(2-0-4)
	Teachers	2(2-0-4)	Thesis		12 credits
406585	Seminar and Practicum in T	eaching	449694	Thesis	12(0-0-36)
	Thai Language through Art	for			
	In-service Teachers	2(2-0-4)			

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Master of Education Program in Guidance Psychology		414641	Seminar on Problems and Research		
			in Guidance Psychology	2(1-2-3)	
Courses Structure		414642	4642 Seminar on Contemporary Issues		
Courses	Students are required to tak	e a minimum		in Occupation	3(3-0-6)
of 26 or	redits comprising the follow		415512	Psychology for Life and Wo	ork
	-	ring areas or			2(2-0-4)
course w	OTK:		415641	Seminar on Developmental	
Plan A		0 1:		Psychology	2(1-2-3)
	Courses	8 credits	415698	Independent Study	3(0-0-9)
	or Required Courses	12 credits	416623	Biofeedback for Counseling	g 2(1-2-3)
•	or Elective Courses	4 credits			
Thes	is	12 credits	416642	Family and Community	
Plan B	_	a #.		Counseling	2(2-0-4)
	Courses	8 credits	Thesis		12 credits
•	nired Courses	24 credits	414699	Thesis	12(0-0-36)
Elective Courses		4 credits	Plan B		
Pan A			Required Courses 24 credits		
Major Required Courses		12 credits	•		
	•		414511	Case Study	2(1-2-3)
414511	Case Study	2(1-2-3)		Case Study Information technology for	2(1-2-3)
	•	2(1-2-3)		Information technology for	
	Case Study	2(1-2-3)	414512	Information technology for Guidance	
414512	Case Study Information technology for	2(1-2-3)		Information technology for Guidance Guidance Psychological	2(1-2-3)
414512	Case Study Information technology for Guidance	2(1-2-3)	414512 414621	Information technology for Guidance Guidance Psychological Practicum	2(1-2-3) 2(0-6-0)
414512 414621	Case Study Information technology for Guidance Guidance Psychological	2(1-2-3) 2(1-2-3)	414512	Information technology for Guidance Guidance Psychological Practicum Seminar on Problems and F	2(1-2-3) 2(0-6-0) Research
414512 414621 415511	Case Study Information technology for Guidance Guidance Psychological Practicum	2(1-2-3) 2(1-2-3) 2(0-6-0)	414512 414621 414641	Information technology for Guidance Guidance Psychological Practicum Seminar on Problems and F in Guidance Psychology	2(1-2-3) 2(0-6-0) Research 2(1-2-3)
414512 414621 415511 415551	Case Study Information technology for Guidance Guidance Psychological Practicum Theories of Personality	2(1-2-3) 2(1-2-3) 2(0-6-0) 2(2-0-4) 2(2-0-4)	414512 414621 414641 414642	Information technology for Guidance Guidance Psychological Practicum Seminar on Problems and F in Guidance Psychology Seminar on Contemporary	2(1-2-3) 2(0-6-0) Research 2(1-2-3) Issues
414512 414621 415511 415551	Case Study Information technology for Guidance Guidance Psychological Practicum Theories of Personality Psychological Testing	2(1-2-3) 2(1-2-3) 2(0-6-0) 2(2-0-4)	414512 414621 414641 414642 415511	Information technology for Guidance Guidance Psychological Practicum Seminar on Problems and Fin Guidance Psychology Seminar on Contemporary Theories of Personality	2(1-2-3) 2(0-6-0) Research 2(1-2-3) Issues 2(2-0-4)
414512 414621 415511 415551 416511	Case Study Information technology for Guidance Guidance Psychological Practicum Theories of Personality Psychological Testing Theories and Techniques of Counseling Elective Courses	2(1-2-3) 2(1-2-3) 2(0-6-0) 2(2-0-4) 2(2-0-4) 2(1-2-3) 4 credits	414512 414621 414641 414642 415511 415551	Information technology for Guidance Guidance Psychological Practicum Seminar on Problems and Fin Guidance Psychology Seminar on Contemporary Theories of Personality Psychological Testing	2(1-2-3) 2(0-6-0) Research 2(1-2-3) Issues 2(2-0-4) 2(2-0-4)
414512 414621 415511 415551 416511	Case Study Information technology for Guidance Guidance Psychological Practicum Theories of Personality Psychological Testing Theories and Techniques of Counseling	2(1-2-3) 2(1-2-3) 2(0-6-0) 2(2-0-4) 2(2-0-4) 2(1-2-3) 4 credits ership	414512 414621 414641 414642 415511 415551 415612	Information technology for Guidance Guidance Psychological Practicum Seminar on Problems and Fin Guidance Psychology Seminar on Contemporary Theories of Personality Psychological Testing Mental Hygiene	2(1-2-3) 2(0-6-0) Research 2(1-2-3) Issues 2(2-0-4) 2(2-0-4)
414512 414621 415511 415551 416511	Case Study Information technology for Guidance Guidance Psychological Practicum Theories of Personality Psychological Testing Theories and Techniques of Counseling Elective Courses	2(1-2-3) 2(1-2-3) 2(0-6-0) 2(2-0-4) 2(2-0-4) 2(1-2-3) 4 credits ership 2(2-0-4)	414512 414621 414641 414642 415511 415551	Information technology for Guidance Guidance Psychological Practicum Seminar on Problems and Fin Guidance Psychology Seminar on Contemporary Theories of Personality Psychological Testing Mental Hygiene Seminar on Developmental	2(1-2-3) 2(0-6-0) Research 2(1-2-3) Issues 2(2-0-4) 2(2-0-4)
414512 414621 415511 415551 416511 Major H	Case Study Information technology for Guidance Guidance Psychological Practicum Theories of Personality Psychological Testing Theories and Techniques of Counseling Elective Courses	2(1-2-3) 2(1-2-3) 2(0-6-0) 2(2-0-4) 2(2-0-4) 2(1-2-3) 4 credits ership	414512 414621 414641 414642 415511 415551 415612	Information technology for Guidance Guidance Psychological Practicum Seminar on Problems and Fin Guidance Psychology Seminar on Contemporary Theories of Personality Psychological Testing Mental Hygiene Seminar on Developmental Psychology	2(1-2-3) 2(0-6-0) Research 2(1-2-3) Issues 2(2-0-4) 2(2-0-4)

416511	Theories and Techniques		434521	Research Methods in Behav	vioral
	of Counseling	2(1-2-3)		and Social Science	3(3-0-6)
Elective	Courses	4 credits	435511	Statistical Methods for Res	earch
414513	Group Dynamics and Leade	ership			3(3-0-6)
		2(2-0-4)	Students	who do not hold a Bachelör	of Education
416644	Career Counseling	2(2-0-4)	must tak	ke seven more credits from	the following
416621	Group Counseling	2(1-2-3)	courses:		
416623	Biofeedback for Counseling	g 2(1-2-3)	401572	Ethics, Education and	
416642	Family and Community			Professional	2(2-0-4)
	Counseling	2(2-0-4)	404521	Foundations of Curriculum	
				and Instruction	3(3-0-6)
\mathbf{M}_{i}	aster of Education Prog	ram in	And two	credit hours are to be sele	cted from the
	Nonformal Educatio		following courses:		
		415512	Psychology for Life and W	ork	
Courses Structure				2(2-0-4)	
Students are required to take a minimum		420510	Lifelong Education	2(2-0-4)	
	redits comprising the follow	ving areas of	420541	Management of Local	
course w	Ork:			Education Program	2(2-0-4)
Plan A			430514	Management System in	
	Courses	8 credits 10 credits		Education	2(2-0-4)
•	or Required Courses or Elective Courses	6 credits	Plan A		
Thes		12 credits	Major Re	Required Courses	10 credits
Plan B	15	12 credits	420511	Nonformal Education	2(2-0-4)
	Courses	8 credits	420521	Adult Development and Le	arning
	ired Courses	22 credits			2(2-0-4)
•	ive Courses	6 credits	420522	Teaching Techniques for	
Core Co		8 credits	•	Adult	2(2-0-4)
	Advanced Foundations of	o crouns	420531	Program Development in	
-10 <i>23 i 2</i>		2(2-0-4)		Nonformal Education	2(2-0-4)
			420651	Seminar on Nonformal	
				Education Research	2(2-04)

Major E	Elective Courses	6 credits		Student may register, with	the approval	
420510	Lifelong Education	2(2-0-4)	of his/h	er advisor, for two credit	s of elective	
420523	Parents Education	2(2-0-4)	courses offered in the department and four credit			
420524	Psychosocial Aspects of A	ging	hours for graduate level courses offered at			
		2(2-0-4)	Burapha	University or from accredi	ted university	
420525	The Elderly and the Enviro	nment	level ins	titutions both in Thailand an	d abroad.	
		2(2-0-4)	Thesis		12 credits	
420532	Leadership in Nonformal		420699	Thesis	12(0-0-36)	
	Education	2(2-0-4)	Plan B			
420533	Introduction to Measureme	ent	Major I	Required Courses	22 credits	
	and Evaluation in Nonform	al	420511	Nonformal Education	2(2-0-4)	
	Education	2(2-0-4)	420521	Adult Development and Le	arning	
420534	Supervision in Nonformal				2(2-0-4)	
	Education	2(2-0-4)	420522	Teaching Techniques for		
420541	Needs Assessment and			Adult	2(2-0-4)	
	Problem Analysis	2(2-0-4)	420531	Program Development in		
420542	Curriculum Program Devel	opment		Nonformal Education	2(2-0-4)	
	in Nonformal Education	2(2-0-4)	420532	Leadership in Nonformal		
420543	Management on Local Edu	cation		Education	2(2-0-4)	
	Program	2(2-0-4)	420612	Comparative Nonformal		
420544	Nonformal Education and			Education	2(2-0-4)	
	the Environment	2(2-0-4)	420651	Seminar on Nonformal		
420545	Social Welfare for the Elde	rly		Educational Research	2(2-0-4)	
		2(2-0-4)	420652	Seminar on Nonformal		
420612	Comparative Nonformal			Education	2(2-0-4)	
	Education	2(2-0-4)	420653	Practicum in Nonformal		
420652		-(1)		Education	3(0-0-9)	
	Education	2(2-0-4)	420698	Independent Study	3(0-0-9)	
420698	Independent Study	3(0-0-9)	_	Elective Courses	6 credits	
				Lifelong Education	2(2-0-4)	
			420523	Parents Education	2(2-0-4)	

420524	Psychosocial Aspects of A	ging	I	Master of Science Progr	am in
2(2-0-		2(2-0-4)	Counseling Psychology		
420525 The Elderly and the Environ		onment	Courses Structure		
		2(2-0-4)	‡	Students are required to tal	ke a minimum
420533	Introduction to Measureme	ent	of 37 c	redits comprising the follow	
	and Evaluation in Nonform	nal	course v	vork:	•
	Education	2(2-0-4)	Fundam	ental Courses	6 credits
420534	Supervision in Nonformal		Require	d Courses	17 credits
	Education	2(2-0-4)	Elective	2 credits	
420541	Needs Assessment and		Thesis		12 credits
	Problem Analysis	2(2-0-4)	Fundan	nental Courses	6 credits
420542	Curriculum Program Deve	lopment	434521	Research Methods in Beha	vioral
	in Nonformal Education	2(2-0-4)		and Social Science	3(3-0-6)
420543	Management on Local Edu	cation	435511	Statistical Methods for Res	earch
Program	2(2-0-4)			3(3-0-6)	
420544	Nonformal Education and		Require	ed Courses	17 credits
the Environment	2(2-0-4)	415511	Theories of Personality	2(2-0-4)	
420545	Social Welfare for the Elde	erly	415513	Abnormal Psychology	2(2-0-4)
		2(2-0-4)	415551	Psychological Testing	2(2-0-4)
	may register, with the appro		416511	Theories and Techniques	
	for two credits of elective c			of Counseling	2(1-2-3)
	department and four cree		416521	Micro Counseling	2(0-4-2)
_	level courses offered		416622	Internship in Counseling	3(0-6-3)
	ty or from accredited un		416641	Seminar on Problems and	
institutio	ns both in Thailand and abr	oad.		Research Counseling	2(1-2-3)
			416642	Family and Community	
				Counseling	2(1-2-3)
			Elective	Courses	2 credits
			415514	Behavior Modification	2(2-0-4)
			415541	Seminar on Industrial Psyc	hology
	•				2(2-0-4)

415542	Seminar on Communication	n]	Master of Science Progr	am in
	Psychology	2(2-0-4)	Educational Measurement Technol		
415543	Seminar on Personnel		Courses Structure		
	Psychology	2(2-0-4)	Students are required to take a minimum		
415544	Seminar on Social Psychol	ogy	of 39 credits comprising the following areas o		
		2(2-0-4)	course v		
415641	Seminar on Developmental	ĺ	Require	d Gourses	21 credits
	Psychology	2(2-0-4)	•	: Courses	6 credits
416621	Group Counseling	2(2-0-4)	Thesis		12 credits
416623	Biofeedback for Counseling	g 2(1-2-3)		ed Courses	21 credits
416643	Seminar on Counseling		=	Theories of Measurement	3(3-0-6)
	Management	2(1-2-3)		Computerized Educational	
416644	Multicultural Counseling	2(2-0-4)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Measurement	3(2-2-5)
416698	Independent Study	3(0-0-9)	433514		•(= = =)
436511	Computer for Research	2(2-0-4)		Instruments	3(3-0-6)
Thesis		12 credits	433681	Seminar in Educational	- ()
416699	Thesis	12(0-0-36)		Measurement Theory	3(3-0-6)
Students may also select courses as electives or		s electives or	434511	Quantitative Research	-(2 2 3)
any othe	er related courses from other	er universities	70 10 11	Methodologies	3(3-0-6)
both in	Γhailand and aboard. Stude	nts must seek	435521 Statistical Methods in Educati		
approval	from their advisors and th	e Department		and Psychology	3(3-0-6)
of Educa	ation for inclusion of these co	ourses in their	436521	-	
program				Educational Research and	
				Measurement	3(3-0-6)
	•		Elective	· Courses	6 credits
			Students	s may select from the followi	ng groups:
			Educational Measurement and Evaluation		
			433515	Constructing Cognitive Inst	ruments
					3(3-0-6)
			433516	Item Response Theory	2(2-0-4)
			433517	Developing Test Items	3(3-0-6)

433518	Scaling Methods	3(3-0-6)	435524	Nonparametric Statistical M	lethods
433519	Selected Topics in Education	onal			2(2-0-4)
	Measurement	2(2-0-4)	435425	Structural Equation Models	3(3-0-6)
433551	Program Evaluation	2(2-0-4)	435426	Selected Topics in	
433552	Educational Personnel Asse	essment		Educational Statistics	2(2-0-4)
		2(2-0-4)	Compute	er for Research and Measure	ment in
433553	Selected Topics in Education	onal	Educatio	on	
	Evaluation	2(2-0-4)	436522	Information Technology for	-
Educatio	onal Research			Educational Research and	
434512	Qualitative Research Metho	odologies		Measurement	2(2-0-4)
		3(3-0-6)	436523	Computer Programming for	
434513	Research Instrument Design	n 3(3-0-6)		Measurement Analysis	2(2-0-4)
434514	Survey Research	2(2-0-4)	436524	Software Packages for	
434515	Operations Research	2(2-0-4)		Measurement Analysis	2(1-2-3)
434516	Curriculum Research	2(2-0-4)	436525	Software Packages for Stati	stical
434517	Experimental and Quasi-			Analysis	2(1-2-3)
	Experimental Research	2(2-0-4)	436526	Selected Topics in Compute	er Methods
434318	Information Systems for			for Educational Research	2(2-0-4)
	Institutional Research	2(2-0-4)	433699	Thesis	12(0-0-48)
434319	Theory and methods of		Students may also select courses as electives to		
	Sampling	2(2-0-4)	maximu	m of 6 credits from other uni	versities both
434520	Selected Topics in		in Thai	land and abroad. Student	s must seek
	Educational Research	2(2-0-4)	approval	I from their advisor and the I	Department of
434681	Seminar in Educational		Education	on for inclusion of these co	urses in their
	Research Technology	3(3-0-6)	program	i.	
Statistics	for Education and Psycholo	gy			
435522	Correlation and Regression				
	Methods	2(2-0-4)			
435523	Multivariate Statistical Met	hods			
		3(3-0-6)			

N	Aaster of Science Progra	am in	433514	Constructing Cognitive Inst	truments
Educational Research Technology					3(3-0-6)
Courses Structure			433515	Constructing Non-Cognitiv	е
	Students are required to tak	ce a minimum		Instruments	3(3-0-6)
of 39 c	redits comprising the follow		433516	Item Response Theory	2(2-0-4)
course v			433517	Developing Test Items	3(3-0-6)
	d Courses	21 credits	433518	Scaling Methods	3(3-0-6)
•	Courses	6 credits	433519	Selected Topics in Education	nal
Thesis	Courses	12 credits		Measurement	2(2-0-4)
	ed Courses	21 credits	433551	Program Evaluation	2(2-0-4)
434511	Quantitative Research	21 Creates	433552	Educational Personnel Asse	essment
151511	Methodologies	3(3-0-6)			2(2-0-4)
434512	Qualitative Research		433553	Selected Topics in Education	nal
	Methodologies	3(3-0-6)		Evaluation	2(2-0-4)
434513	Research Instrument Design		434681	Seminar in Education Research	
434681	Seminar in Education Rese			Technology	3(3-0-6)
10 1001	Technology	3(3-0-6)	Education	nal Research	
435521	Statistical Methods in Educ		434514	Survey Research	2(2-0-4)
	and Psychology	3(3-0-6)	434515	Operations Research	2(2-0-4)
435523	Multivariate Statistical Met	•	434516	Curriculum Research	2(2-0-4)
		3(3-0-6)	434517	Experimental and Quasi-	
436521	Computer Program Design			Experimental Research	2(2-0-4)
	Educational Research and		434318	Information Systems for	
	Measurement	3(3-0-6)		Institutional Research	2(2-0-4)
Elective	Courses	6 credits	434319	Theory and methods of	
Students	may select from the following	ng groups:		Sampling	2(2-0-4)
Educatio	nal Measurement and Evalua	ation	434520	Selected Topics in	
433512	Theories of Measurement	3(3-0-6)		Educational Research	2(2-0-4)
433513	Computerized Educational		Statistics for Education and Psychology		
	Measurement	3(2-2-5)	435522	Correlation and Regression	
				Methods	2(2-0-4)

435524 Nonparametric Statistical Methods		Master of Science Program in					
		2(2-0-4)		Exercise and Sport Sc		ience	
435425	Structural Equation Models	3(3-0-6)		Courses	s Structure		
435426	Selected Topics in				Students are required to tal	ke a minimum	
	Educational Statistics	2(2-0-4)		of 42 c	redits comprising the follow		
Compute	er for Research and Measure	ment in		course v	. •	g	
Education	on			Foundat	8 credit		
436522	Information Technology fo	r			equired Courses	15 credits	
	Educational Research and			_	lective Courses	4 credits	
	Measurement	2(2-0-4)		-	ective Courses	3 credits	
436523	Computer Programming for	:		Thesis		12 credits	
	Measurement Analysis	2(2-0-4)			tion Courses	8 credit	
436524	Software Packages for				Statistical Methods for Res		
	Measurement Analysis	2(1-2-3)		455511	Diadistical Medicus for Res	3(3-0-6)	
436525	Software Packages for Stati	stical		436511	Computer for Research	2(2-0-4)	
	Analysis	2(1-2-3)		443561	Research Methods in Exerc	, ,	
436526	Selected Topics in Compute	er Methods		443301			
	for Educational Research	2(2-0-4)			and Sport Science	3(3-0-6)	
433699	Thesis	12(0-0-48)		-	Required Courses	15 credits	
Students	may also select courses as	electives to	a	443511	Adaptive Exercise Physiological		
maximur	n of 6 credits from other uni	versities bot	h	442510		2(2-0-4)	
in Thail	and and abroad. Students	s must seel	k	443512	Growth, Development and	• •	
approval	from their advisor and the I	epartment o	f	440.545	of Physical Fitness	2(2-0-4)	
Educatio	n for inclusion of these co	urses in thei	r	443513	Physical Therapy for Sports	•	
program.				443521	Applied Biomechanics	2(2-0-4)	
Thesis		12 credits		443531	11 1 2 3		
434699	Thesis	12(0-0-48)		443621	Physiological Testing, Exer	cise	
					Prescription and Program	0/0.0.1	
					Development	2(2-0-4)	
		* bir house.	46	443651	·	,	
			**************************************	•	Sport Science I	2(1-2-3)	

433652	Seminar in Exercise and		Do	ctor of Education Progr	ram in
	Sport Science II	1(1-1-1)		Education Administrat	ion
Major E	lective Courses	4 credits	Courses	Structure	
443514	Adapted Exercise Training			Students are required to tak	e a minimum
	Program	2(2-0-4)	of 72 cr	edits comprising the follow	ing areas of
443532	Lifestyle Studies	2(2-0-4)	course w	ork:	
443533	Exercise and Sport Promoti	on	Core Co	urses	12 credits
		2(2-0-4)	Major C	ourses	24 credits
443534	Comparative Physical Educ	eation,	Thesis		36 credits
	Exercise and Sport Science	2(2-0-4)	Core Co	ourses	12 credits
				Required Courses	9 credits
443535	Sports in Contemporary Wo	orld	430990	Doctoral Research Proposal	3(3-0-6)
		2(2-0-4)	434761	Advanced Research Methodo	logy
443541	Physical Education, exercis	e and			3(3-0-6)
	Sport Science in Schools		435751	Statistics Applied to Behavi	oral
	And Colleges	2(2-0-4)		Science	3(3-0-6)
443542	Sports and Recreation Facil	lities		Elective Courses	3 credits
	Planning	2(2-0-4)	430744	Seminar in Applied Research	:h
443543	Sports Laws	2(2-0-4)		in Education	3(3-0-6)
443653	Independent Study	2(0-2-4)	434762	Qualitative Research	3(3-0-6)
Free Ele	ective Courses	3 credits	434763	Quantitative Research	3(3-0-6)
A stude	ent may register, with the	approval of	Elective	Courses	24 credits
his/her a	dvisor, for graduate level co	ourses offered		Required Courses	15 credits
at Bura	pha University or accredit	ed university	430711	Organizational Theory and	
level ins	titutions both in Thailand an	d/or abroad.		Its Application to Education	n 3(3-0-6)
Thesis		12 credits	430712	Contemporary Strategy in	
443671	Master Thesis	12(0-0-48)		Educational Management	3(3-0-6)
			430713	Educational Policy and	
				Planning Analysis	3(3-0-6)
				•	

430741	Seminar Political, Economic	and
	Social Problems as Related	to
	Educational Administration	3(3-0-6)
430811	Leadership in the Changing	
	World	3(3-0-6)
	Elective Courses	9 credits
430714	Project Management	3(3-0-6)
430715	Information Technological	
	System for Management	3(3-0-6)
430741	Seminar Political, Economic	and
	Social Problems as Related	to
	Educational Administration	3(3-0-6)
430742	Seminar in Comparative	
•	Educational Administration	3(3-0-6)
430743	Ethics and Social Etiquette	
	for Administrators	3(3-0-6)
430812	Change Process and Innova	tion
	in Educational Administration	on
		3(3-0-6)
430881	Independent Study	3(3-0-6)
Thesis		36 credits
430991	Thesis	36(0-0-108)

Doctor of Philosophy Program in Exercise and Sport Science

Courses Structure

Students are required to take a minimum of 84 credits comprising the following areas of course work: Required Courses 18 credits Elective Courses 18 credits Thesis 48 credits Required Courses 18 credits 443711 Advanced Exercise and Sport Physiology 2(2-0-4) 443712 Advanced Exercise and Sport Medicine 2(2-0-4) 443721 Advanced Exercise and 2(2-0-4) Sport Biomechanics 443731 Social Psychology Exercise and Sport 2(2-0-4) 443734 Psychomotor Measurement 2(2-0-4) 443761 Advanced Research Methods in Exercise and Sport Science 3(3-0-6) 443781 Advanced Nutrition for Exercise and Sport Science 2(2-0-4) 443851 Seminar I I(0-2-1)443852 Seminar II 1(0-2-1)

1(0-2-1)

443853 Seminar III

Elective	Courses	18 credits	443836	Motor Skill Acquisition	2(2-0-4)
443811	Exercise and Hypokinetic		443841	Curriculum and Instruction	in ·
	Disease	2(2-0-4)		Teaching Physical Education	on2(2-0-4)
443812	Environmental Exercise Ph	ysiology	443842	Facilities Planning in Physi	cal
		2(2-0-4)		Education, Exercise and Sp	ort
443813	Oxygen Transport System	in ·		10.1	2(2-0-4).
٠	Exercise and Sport Science	2(2-0-4)	443858	Independent Study	2(2-0-4)
443814	Euromuscular Physiology	for' - '	443871	Analysis of Sport Managen	nent
	Exercise and Sport Science	2(2-0-4)		and Sociology	2(2-0-4)
443815	Physical Activities and Spo	orts	443872	Sociological Factors in Exe	ercise
	for Aging Population	2(2-0-4)		and Sport Science	2(2-0-4)
443816	Ergogenic Aids in Sport	2(2-0-4)	443873	Advanced Prescription for	
443817	Exercise and Sport in Child	dren		Exercise and Sport Training	g 2(2-0-4)
	and Youth	2(2-0-4)	443881	Reading and Conference in	
443418	Exercise and Sport in Won	nen		Exercise and Sport Physiol	ogy
		2(2-0-4)			1(0-2-1)
443419	Human Body Fat '	2(2-0-4)	443882	Reading and Conference in	
443821	Biomechanics of the Skelet	tal		Exercise and Sport Biomec	hartics
	System	2(2-0-4)			1(0-2-1)
443822	Biomechanics Analysis Te	chniques	443883	Reading and Conference in	
		2(2-0-4)		Exercise and Sport Physiol	ogy
443823	Biomechanics of Motor Ac	tivities			1(0-2-1)
		2(2-0-4)	443884	Reading and Conference in	
443831	Motivation in Exercise and	Sport		Exercise and Sport Studies	
		2(2-0-4)		,	1(0-2-1)
443832	Tests and Evaluation in			ent may register, with the	
	Sport Psychology	2(2-0-4)		advisor, for graduate level co	
443833	Exercise and Health Psychological			pha University or accredit	•
		2(2-0-4)		titutions both in Thailand an	
443835	Analytical Study of Motor		Thesis		48 credits
	Learning and Control	2(2-0-4)	443799	Thesis	48(0-0-144)

For students with Master's degree, no fewer than		Elective Courses	8 credits		
48 credits are required	>	The Ph.D. Program in	Exercise and		
Required Courses	4 credits	Sport Science at Burapha University	y has a focus		
Elective Courses	8 credits	on the three areas of the discipline namely			
Thesis 36 credits		exercise and sport physiology, psychology and			
Required Courses 4 credits		sociology (sport studies). Besides taking the			
443852 Seminar II	1(0-2-1)	required core courses, a student is r	equired, with		
443853 Seminar III	1(0-2-1)	the approval of his/her advisor to tak	e a minimum		
443854 Seminar IV	1(0-2-1)	of 8 credits.			
443855 Seminar V	1(0-2-1)	Thesis	36 credits		
		443899 Doctoral Dissertation	36(0-0-108)		

Faculty of Humanities and Social Science

Master of Accountancy Program		Free Ele	ective Courses	3 credits	.,
Course Structure	J	Plan A		٠.	
Students are required to ta	ke a minimum	229622	Advance Auditing	3(3-0-6)	
of 45 credits comprising the follo		229623	Advanced Accounting The	ory»	
course work:	3		,	3(3-0-6)	•
	30 credits	229624	Computerized Information		
Free Elective Courses	3 credits		System Audit	3(3-0-6)	
Thesis	12 credits	229631	Financial Planning	3(3-0-6)	
Required Courses	30 credits	229691	Seminar in Financial Accor	unting	
227501 Financial Management	3(3-0-6)			3(3-0-6)	
229521 Accounting Information S	, ,	229692	Seminar in Managerial		
	3(3-0-6)		Accounting	3(3-0-6)	
229522 Controllership	3(3-0-6)	230602	Information Systems for		
229523 Advanced Accounting Pol	icy		Management	3(3-0-6)	
and Application	3(3-0-6)	Plan B			
229524 Advanced Internal Auditir	ng 3(3-0-6)	229624	Computerized Information		
229525 Financial Reports Analysi	s 3(3-0-6)		System Audit	3(3-0-6)	
229591 Seminar in Tax Accountin	g 3(3-0-6)	229625	Strategic Cost Managemen	t 3(3-0-6 <u>)</u>	
230511 Research Methodologies i	n	229626	Advanced Managerial Acc	ounting	
Business	3(3-0-6)			3(3-0-6)	
230611 Advanced Strategic Mana	gement	229631	Financial Planning	3(3-0-6)	
	3(3-0-6)	229692	Seminar in Managerial Acc	counting	
232617 Business Ethics and Socia	i .	* * * * * * * * * * * * * * * * * * * *		3(3-0-6)	
Contribution	3(3-0-6)	230602	Management Information		
•			Systems	3(3-0-6)	C/

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Thesis		12 credits	212503	English for Professional		
229699	Thesis	12(0-0-36)		and Career Purposes	3(3-0-6)	
Substitu	ute Courses for Thesis	12 credits	212504	Language Use and Style	2(2-0-4)	
229698	Independent Study	3(3-0-6)	212505	Rhetorical Analysis	2(2-0-4)	
	Financial Accounting	9 credits	212506	Language and Cultural		
229622	Advanced Auditing	3(3-0-6)		Understanding	2(2-0-4)	
229623	Advanced Accounting theo	ry	212581	Seminar: English Language	2(2-0-4)	
		3(3-0-6)	Area of	Concentration Courses	12credits	
229691	Seminar in Financial Accou	inting		English for Media Commun	ication	
		3(3-0-6)	212521	Media Writing I	3(3-0-6)	
	Managerial Accounting	9 credits	212522	Media Writing II	3(3-0-6)	
229631	Financial Planning	3(3-0-6)	212523	Media Writing III	3(3-0-6)	
229692	Seminar in Managerial		212524	Writing Workshop	3(3-0-6)	
	Accounting	3(3-0-6)	212525	Freelance Writing	3(3-0-6)	
230602	Management Information		212526	Persuasive Writing	3(3-0-6)	
	Systems	3(3-0-6)	212531	Public Speaking	3(3-0-6)	
		•	212532	Oral Reporting	3(3-0-6)	
	Master of Arts Program	n in	212582	Academic Writing	2(2-0-4)	
	English for Communica	tion		English for Business Communication		
Course S	Structure		212541	English for Tourism	3(3-0-6)	
	Students are required to tak	e a minimum	212542	Advanced English for Touri	sm	
of 40 cr	edits comprising the follow	ring areas of			3(3-0-6)	
course w	ork:		212561	Study and Practice of	*1	
Core Cor	ırses	16 credits		Language Structures in Busi		
Area of (Concentration Courses	12credits		Communication	3(3-0-6)	
Thesis		12 credits	212562	English for Business		
Core Co	urses	16 credits		Communication	3(3-0-6)	
212501	Research Methodology		212563	Advanced English for		
	on English	3(3-0-6)		Business Communication	3(3-0-6)	
212502	Language Tesearch Literacy	2(2-0-4)	212571	English for Hotel and Restau		
					3(3-0-6)	

212533 Speech-Communication in		Required Courses		17 credits	
Bussiness and	d the Professions		202311	Information Science	3(3-0-6)
	3(3-	-0-6)	202502	Research in Library and	
212527 Business and	Technical Writing			Information Science	3(3-0-6)
	3(3-	-0-6)	202506	Statistics in Library and	
212582 Academic W	reiting 2(2-	-0-4)		Information Science	3(2-2-5)
English for Tr	anslation and Interpr	etation	202511	Advanced Cataloging and	
212551 Translation T	echniques 3(3-	-0-6)		Classification	3(3-0-6)
212552 Translation fo	or Business and Leg	gal	202533	Library Automation Admin	istration
Documents	3(3-	-0-6)			3(3-0-6)
212553 Interpretative	Translation 3(3-	-0-6)	202561	Data Processing for Librari	es and
212554 Simultaneous	Translation I 3(3-	-0-6)		Information Centers	3(2-2-5)
212555 Simultaneous	Translation II 3(3-	-0-6)	202665	Computerized Integrated Systems f	
212556 Simultaneous	Translation III3(3-	-0-6)		Library Management	3(3-0-6)
212582 Academic W	riting 2(2-	-0-4)	Elective	courses	9 credits
Thesis	12 c	eredits	202503	Communication Skills in Li	ibrary
212691 Thesis	12(0	0-0-36)		and Information Science	3(3-0-6)
			202504	Readings in Library and Inf	formation
Master of A	Arts Program in			Science	3(3-0-6)
Library and I	ıformation Scien	nce	202505	Information and Society	3(3-0-6)
Course Structure			202512	Serials Literature	3(3-0-6)
The students	are required to take	a a	202513	Abstracting and Indexing	3(3-0-6)
minimum of 42 credits	•		202531	Information Resources and Services	
areas of course work:				in Special Collections	3(3-0-6)
Required courses	24 credits		202532	Marketing Aspects of Library	
Elective courses	9 credits			and Information Services	3(3-0-6)
Thesis	12 credits		202542	Information Resources and	Services
Pre-requisite	non-credit courses	are		in the Humanities	3(3-0-6)
required for students who have not completed a			202543	Information Resources and	Services
Library Science or Lib	rary and Information	n		in the Social Sciences	3(3-0-6)
Science course at the u	ndergraduate level.				

				•	
202544	Information Resources and Services		Master of Arts Program in Thai		
	in Science and Technology	3(3-0-6)	Courses	Structure	
202545	Information Resources and	Services	Students are required to take a minimu		
	in Eastern Thailand	3(3-0-6)	of 36 c	redits comprising the follow	ving areas of
202631	Research Seminar	3(3-0-6)	course v	vork:	
202632	Current Issues in Information	on	Plan A		
	Science	3(3-0-6)	Re	equired Course	18 credits
202633	Government Publications	3(3-0-6)	El	ective Courses	6 credits
202634	Independent Study	3(3-0-6)	Th	nesis	12 credits
202635	Library and Information Ce	nter	Plan B		
	Buildings	3(3-0-6)	Re	equired Course	18 credits
202650	Practicum in the Libraries a	nd	El	ective Courses	8 credits
	Information Centers	3(3-0-6)	Su	bstitute Courses for Thesis	10 credits
202661	Information Technology	3(2-2-5)	Require	ed Courses	30 credits
202662	Database Management Syst	em	208501	Thai language Research	
		3(2-2-5)		Methodology	3(3-0-6)
202663	Information System Analys	is and	208502	Linguistic Theories	3(3-0-6)
	Design	3(3-0-6)	208503	Theory of Literature	3(3-0-6)
202664	Application of Commercial	DBMS	208604	Seminar on Thai Language	
	Package in Library Services	3(2-2-5)		and Linguistic Research	3(3-0-6)
202666	Searching Techniques of Da	atabases	208605	Seminar on Thai Literature	
		3(2-2-5)		Research	3(3-0-6)
202671	Library and Information Ne	tworks	208606	Folklore Theories and Rese	earch
		3(3-0-6)			3(3-0-6)
202672	Publishing in Business	3(3-0-6)	Elective	e Courses	30 credits
				Plan A	6 credits
Thesis		12 credits		Plan B	8 credits
202691	Thesis	12(0-0-36)		Group 1 Linguistics Rel	ated Courses
			208511	Thai Phonetics and Phonol	ogy
				•	2(2-0-4)
			208512	Thai Morphology	2(2-0-4)

			•	_	
208513	Thai Syntax	2(2-0-4)	208583	Literature of Northern Region	on
208521	Applied Linguistics	2(2-0-4)			2(2-0-4)
208522	Sociolinguistics	2(2-0-4)	208584	Literature of Northeast Reg	ion
208523	Dialectology	2(2-0-4)			2(2-0-4)
208524	Foreign Language Influence	es	208585	Literature of Southern Regi	on
	on Thai	2(2-0-4)			2(2-0-4)
208531	Evolution of the Thai Langu	uage	208586	Literature of Eastern Region	n
	•	3(3-0-6)			2(2-0-4)
208625	Seminar on Language and		208651	Seminar on Masterpieces of	f
	Culture	2(2-0-4)		King Narai's Period	2(2-0-4)
280626	Contrastive Analysis of Lar	nguages	208652	Development of Prose in	
		2(2-0-4)		King Rama V's Period	2(2-0-4)
208627	Thai Traditional Grammar	3(3-0-6)	208653	History of Vedic Sanskrit	·,
208628	Thai Stylistics	2(2-0-4)		Literature	2(2-0-4)
208632	Paleography	3(3-0-6)	208661	Seminar on Masterpieces o	f
208633	Seminar on the Thai Langu	age		Price Paramanujit	2(2-0-4)
	of Various Phases	3(3-0-6)	208662	Seminar on King Rama V's	s Work
	Group 2 Traditional Literat	ture			2(2-0-4)
208541	Seminar on Tebhumikatha	2(2-0-4)	208663	Seminar on King Rama VI	's Work
208543	Seminar on the Mahajati	2(2-0-4)			2(2-0-4)
208544	Seminar on the Ramayana	2(2-0-4)	208674	Evolution of the Thai Short	t
208545	Seminar on Khunchang Kh	unphaen		Story and the Thai Novel	2(2-0-4)
		2(2-0-4)	208675	Evolution of Thai Poetry	2(2-0-4)
208571	Principles of Comparative		Elective	Courses for International St	udents
	Literature	2(2-0-4)	208504	Thai for International Studential	ents
208572	Literature and Other Arts	2(2-0-4)			3(2-2-5)
208573	Foreign Literary Influences	s on	208505	Thai in Everyday Life for	
	Thai Literature	2(2-0-4)		International Students	3(2-2-5)
208581	Folk Literature	2(2-0-4)	Thesis		12 credits
280582	Literature of Central Regio	n	208669	Thesis	12(0-0-36)
		2(2-0-4)			

Substitute Courses for Thesis	10 credits	Core Courses	15 credits
208514 Thai Linguistics	3(3-0-6)	230511 Research Methodolog	ies
208676 Seminar on Prose and Po	etry	in Business	3(3-0-6)
	3(3-0-6)	230611 Advanced Strategic M	lanagement
208698 Independent Study	4(0-0-16)		3(3-0-6)
		232502 Leadership and Organ	ization
Master of Management P	rogram in	Transformation	3(3-0-6)
Human Resource Mana	gement	232552 Quality and Productiv	ity
Course Structure		Management	3(3-0-6)
Students are required to to	ake a minimum	232561 Principles of Human F	Resources
of 42 credits comprising the follo	owing areas of	Management	3(3-0-6)
course work:	· ·	Area of Concentration Course	es 15 credits
Plan A	••	232562 Human Resource Plan	ning
Core Courses	15 credits	Staffing and Retention	3(3-0-6)
Area of Concentration Course	es 12 credits	232611 Business and Labor La	aws 3(3-0-6)
Independent Study	3 credits	232661 Strategic Human Reso	urces
Thesis	12 credit	Development	3(3-0-6)
Plan B		232663 Remuneration Manage	ement 3(3-0-6)
Core Courses	15 credits	Independent Study	3 credits
Area of Concentration Course	e 12 credits	232698 Independent Study .	3 (0-0-9)
Independent Study	3 credits	Thesis	12 credits
Elective Courses	- 3 credits	232699 Thesis	12 (0-0-36)
Substitute Courses for thesis	9 credits	Substitute Courses for Thesis	9 credits
Basically Adjust Courses	9 credits	227501 Financial Managemen	t 3(3-0-6)
229501 Financial Accounting	3 (3-0-6)	228501 Marketing Management	nt 3 (3-0-6)
230501 Organization and Manage	ment	232517 Entrepreneurship	3(3-0-6)
	3(3-0-6)	232551 Production and Operat	ional
230504 Statistics for Business	3(3-0-6)	Management	3(3-0-6)

232553	Managerial Ethics and Soci	ial	Require	ed Courses	15 credits
	Responsibility	3(3-0-6)	223501	Research Methodology in	
232651	Leadership and Team World	k 3(3-0-6)		Geography	3(3-0-6)
232662	Information Technology in	Human	223502	Advanced Remote Sensing	and
	Resource Management	3(3-0-6)		Global Positioning System	3(3-2-5)
232664	Industrial Relations	3(3-0-6)	223503	Advanced Geographic Info	rmation
232665	International Human Resou	ırce		System	3(2-2-5)
	Management	3(3-0-6)	223505	Seminar on Geographical	
232666	Seminar on Issue in Human	ı ,		Technology I	2(1-2-3)
	Resource Management	3(3-0-6)	223506	Seminar on Geographical	
232691	Seminar in Intercultural			Technology II	1(1-1-1)
	Communication	3(3-0-6)	Elective	e Courses	
	Students can select other i	minor courses		Plan A	12 credits
from ot	her faculties in Burapha I	University on		Plan B	18 credits
approval of the Head of Department.			223510	Data Bases Management S	ystem
				and Informatics in Geograp	hic
N	Master of Science Progr	am in			3(2-2-5)
	Geographical Technol	ogy	223511	Advanced Computer Mapping	
Courses	Structure				3(2-2-5)
	Students are required to tal	ce a minimum	223512	Image Analysis System	3(2-2-5)
of 39 ci	redits comprising the follow	ving areas of	223513	Advanced Three-Dimension	ned
course w	ork:			Mapping	3(2-2-5)
Plan A			223514	Advanced Cartography and	
Requ	uired Courses	15 credits		Plan Study	3(2-2-5)
Elec	tive Courses	12 credits	223611	Techniques of Cartography	and
Thes	sis	12 credits		Aerial Photo Interpretation	3(2-2-5)
Plan B	,		223612	Advanced Photogrammetry	3(2-2-5)
Requ	nired Courses	15 credits	223613	Microwave Remote Sensing	g3(2-2-5)
Elec	tive Courses	18 credits	223614	Resource Management	
Thes	is	6 credits		Information System	3(2-2-5)

223615	Advanced Land Use Planning		223622	Environment Impact Assess	ment
	Techniques	3(2-2-5)			3(3-0-6)
223616	Application of Remote Sens	sing	223623	Advanced Physical Geograp	ohy
	and Geographic Information	1			3(3-0-6)
	System	3(2-2-5)		Advanced Political Geograp	ohy
223617	Advanced Geomorphology	3(2-2-5)	,	e	3(3-0-6)
223618	Geographic Thoughts	3(3-0-6)	Thesis	•	12 credits
223619	Advanced Urban Geography	y 3(3-0-6)	223699	Thesis	12(0-0-36)
223620	Advanced Industrial Geogra	aphy	Indepen	dent Study	6 credits
		3(3-0-6)	223698	Independent Studies	
223621	Advanced Developmental				6(0-0-18)
	Geography	3(3-0-6)			

Faculty of Nursing

Master of Nursing Science Program in			Nursing Administration		
Adult Nursing Courses Structure		104525	Nursing Administration	2(2-0-4)	
		104626	Supervision in Nursing	2(2-0-4)	
Courses				And minimum of 3 cred	lits must be
0.40	Students are required to tak		selected	from the following:	
	edits comprising the follow	ing areas of	101627	Nursing for the Health Prob	lems
course w				Patient from Industrial Factor	ory
Core Co		9 credits		•	2(2-0-4)
	Concentration Courses	12 credits	103623	Cardiac Rehabilitation	2(2-0-4)
Elective	Courses	7 credits	103624	Traumatic Nursing	2(2-0-4)
Thesis	•	12 credits	103625	Rehabilitation Nursing	2(2-0-4)
Core Co	ourses	9 credits	103626	_	2(2-0-4)
104521	Research Methodology in		103627		2(2-0-4)
	Nursing	2(2-0-4)		Nursing Care for Aids Patie	
104522	Leadership in Nursing	2(2-0-4)			2(2-0-4)
107521	Nursing Theory	2(2-0-4)	104527	Nursing Research Seminar	
435511 Statistics Methods for Research		arch	104529	-	
	, · ·	3(3-0-6)	104329	Nuising Educational Frame	2(2-0-4)
Area of	Concentration Courses	12 credits	104633	Computer for Nursing Adm	
103531	Advanced Adult Nursing I	3(3-0-6)	104032	Computer for Nursing Aum	2(1-4-1)
103532	Advanced Adult Nursing II	2(0-8-0)	104629	Moderating in Number	2(2-0-4)
103533	Advanced Adult Nursing III	(3(3-0-6)		Marketing in Nursing	2(2-0-4)
103534	Advanced Adult Nursing IV	'2(0-8-0)	104039	Nursing Informatics and	2(2-0-4)
103635	Seminar on Adult Nursing	2(2-0-4)	104640	Technologies	, ,
Elective	Courses	7 credits	104040	Nursing Personnel Develop	2(2-0-4)
	Nursing Education		104641		
104523	Curriculum in Nursing Scien	nce	104641	Entrepreneurial Concepts in	
		2(2-0-4)		Nursing Administration	2(2-0-4)
104624	Teaching-Learning in Nursi	ng	104642		
	Science	2(2-0-4)	104643	International Nursing	2(2-0-4)

104649	Nursing Education Technol	logy	Mast	er of Nursing Science P	rogram in
		3(3-0-6)		Community Nursin	_ g
104650	Teaching Clinical Nursing	2(2-0-4)	Course	s Structure	
104651	Evaluation of Nursing Prac	ticum	•	Students are required to tal	ke a minimum
		2(2-0-4)	of 40 c	redits comprising the follow	wing areas of
104652	Quality Assurance in Nursi	ng Education	course v	vork:	
		2(2-0-4)	Core Co	ourses	9 credits
104653	Problem Based Learning in		Area of	Concentration Courses	12 credits
	Nursing Education	2(2-0-4)	Require	d Elective Courses	4 credits
104654	Computer for Nursing Rese	earch	Free Ele	ective Courses	3 credits
		2(1-4-1)	Thesis		12 credits
107522	Transcultural	2(2-0-4)	Core Co	ourses	9 credits
107624	Nursing Profession Develop	pment	104521	Research Methodology in N	Nursing
		2(2-0-4)			2(2-0-4)
430563	Organization Development	3(3-0-6)	104522	Leadership in Nursing	2(2-0-4)
The students can select mi		minors from	107521	Nursing Theory	2(2-0-4)
other faculties in Burapha University on approval		435511	Statistic Methods for Resea	ırch	
of the He	ead of Department.				3(3-0-6)
Thesis		12 credits	Area of	Concentration Courses	12 credits
	Thesis	12(0-0-48)	101521	Community Nursing I	2(2-0-4)
Plan B	: Students must enroll in t	the following	101522	Community Nursing II	2(0-8-0)
thesis su	bstitute courses.		101523	Community Nursing III	3(3-0-6)
	Inquiry in Adult Nursing	4(0-0-12)	101524	Community Nursing IV	3(0-12-0)
103636	Quality Assurance in Adult		101625	Seminar on Community Nu	ırsing
		2(2-0-4)			2(2-0-4)
104639	Nursing Informatics and		Require	ed Elective Courses	4 credits
	Technologies	2(2-0-4)		Nursing Education	
107522	Transcultural Nursing	2(2-0-4)	104573	Curriculum in Nursing Scient	ence
107624	Nursing Profession Develop				2(2-0-4)
		2(2-0-4)	104674	Teaching-Learning in Nurs	ing
				Science	2(2-0-4)

	Nursing Administration		104639	Nursing Informatics and	
104525	Nursing Administration	- 2(2-0-4)		Technologies	2(2-0-4)
104662	Supervision in Nursing	2(2-0-4)	107522	Transcultural Nursing	2(2-0-4)
Free Ele	ective Courses	3 credits	107624	Nursing Profession Develo	pment
101526	Introduction to Occupation	al			2(2-0-4)
	Health	3(3-0-3)	148601	Inquiry in Nursing	4(0-0-12)
104527	Nursing Research Seminar	2(2-0-4)			
104528	Evaluation of Instruction in	ı	Mast	er of Nursing Science P	rogram'in
	Nursing	2(2-0-4)		Family Nursing	
104529	Nursing Education Admini	stration	Course	s Structure	
		2(2-0-4)	Courses	Students are required to ta	ke a minimum
104530	Advanced in Statistics and		of 40 a	redits comprising the follo	
	Research in Nursing	3(3-0-5)	course v	-, -	wing areas or
104531	Statistics and Computer Sc	ience	Plan A	VOIK,	
		2(2-0-4)		e Courses	9 credits
104632	Microcomputer for Admini	stration		a of Concentration Courses	12 credits
		2(2-0-4)		etive Courses	7 credits
106521	Community Mental Health		The	•	12 credits
	Nursing	2(2-0-4)	Plan B	5.5	12 VIOGIIS
106622	Gerontology	2(2-0-4)		e Courses	9 credits
107523	Self Care Theory	2(2-0-4)		a of Concentration Courses	12 credits
430563	Organizational Developmen	nt 3(3-0-6)		ctive Courses	7 credits
•	The students can select mir	nors from other		stitute Courses for Thesis	
faculties	in Burapha University on a	ipproval of the	Core Co		9 credits
Head of	Department.	•		Research Methodology in	
Thesis		12 credits			2(2-0-4)
149601	Thesis	12(0-0-48)	104522	Leadership in Nursing	2(2-0-4)
Plan B	: Students must enroll in	the following	107521	Nursing Theory	2(2-0-4)
thesis su	bstitute courses.			Statistic Methods for Rese	, ,
101626	Health Systems Developme	ent			3(3-0-6)
		2(2-0-4)			• •

Area of Concentration Courses		12 credits	104529	Nursing Educational Admir	nistration
102531	Family Nursing I	3(3-0-6)			2(2-0-4)
102532	Family Nursing II	2(0-8-0)	104632	Computer for Nursing Adn	ninistration
102533	Family Nursing III	3(3-0-6)			2(1-4-1)
102534	Family Nursing IV	2(2-0-4)	104640	Nursing Personnel Develop	ment .
102635	Seminar in Family Nursing	2(2-0-4)			2(2-0-4)
Elective	Courses	4 credits	104642	Nursing Quality Assurance	2(2-0-4)
	Nursing Education Group		104643	International Nursing	2(2-0-4)
104523	Curriculum in Nursing Scie	nce	106623	Advanced Gerontological N	Vursing
		2(2-0-4)			3(3-0-6)
104624	Teaching-Learning in Nursi	ing	106627	Family Theory	2(2-0-4)
	Science	2(2-0-4)	107522	Transcultural Nursing	2(2-0-4)
	Nursing Administration Group	p		The students can select	minors from
104525	Nursing Administration	3(3-0-6)	other fac	culties in Burapha University	on approval
104626	Supervision in Nursing	2(2-0-4)	of the H	ead of Department.	
	And minimum of 3 cred	lits must be	Thesis		12 credits
selected	from the following:	w.,	149601	Thesis	12(0-0-36)
101627	Advanced Community Nurs	sing	Plan B	: Students must enroll in t	he following
		3(3-0-6)	thesis su	bstitute courses.	
102621	Advanced Nursing in Paren	t ·	102636	Family Nursing Quality De	velopment
	and Newborn	3(3-0-6)			2(2-0-4)
102623	Advanced Nursing for Child	iren	104639	Nursing Informatics and Te	chnologies
		3(3-0-6)			2(2-0-4)
102636	Women's Health	2(2-0-40	107522	Transcultural Nursing	2(2-0-4)
103621	Advanced Nursing in Adole	escent	107624	Nursing Profession Develop	pment
	and Adult Practicum	3(3-0-6)	.•		2(2-0-4)
104527	Nursing Research Seminar	2(2-0-4)	148601	Inquiry in Nursing	4(0-0-12)

Master of Nursing Science Program in				Nursing Administration	
	Gerontological Nursi	ng	104525	Nursing Administration	2(2-0-4)
Courses	Structure		104626	Supervision in Nursing	2(2-0-4)
	Students are required to tak	te a minimum	1.	And minimum of 3 cre	dits - must . be
of 40 c	redits comprising the follow		selected	from the following:	
course v		3 - 11 - 10	104527	Nursing Research Seminar	2(2-0-4)
Core Co	₹£ 31.	9 credits	104529	Nursing Educational Admir	nistration
Area of	Concentration Courses	12 credits			2(2-0-4)
Elective	Courses	7 credits	104632	Computer for Nursing Adn	ninistration
Thesis		12 credits		,	2(1-4-1)
Core Co	ourses	9 credits	104639	Nursing Informatics and	
104521	Research Methodology in			Technologies	2(2-0-4)
	Nursing	2(2-0-4)	104640	Nursing Personnel Develop	ment
104522	Leadership in Nursing	2(2-0-4)		~.	2(2-0-4)
107521	Nursing Theory	2(2-0-4)	104641	Entrepreneurial Concepts in	i
435511	Statistics Methods for Rese	arch		Nursing Administration	2(2-0-4)
•		3(3-0-6)	104642	Nursing Quality Assurance	2(2-0-4)
Area of	Concentration Courses	12 credits	104643	International Nursing	2(2-0-4)
106531	Gerontological Nursing I	3(3-0-6)	104649	Nursing Education Technol	ogy
106532	Gerontological Nursing II	2(0-8-0)			3(3-0-6)
106533		3(3-0-6)	104650	Teaching Clinical Nursing	2(2-0-4)
106534	Gerontological Nursing IV	2(0-8-0)	104651	Evaluation of Nursing Pract	ticum
106635	Seminar on Geronlogical				2(2-0-4)
	Nursing	2(2-0-4)	104652	Quality Assurance in Nursin	ng
Elective	Courses	7 credits		Education	2(2-0-4)
	Nursing Education		104653	Problem Based Learning in	
104523	Curriculum in Nursing Scien	nce		Nursing Education	2(2-0-4)
		2(2-0-4)	106628	Psychosocial Nursing	2(2-0-4)
104624	Teaching-Learning in Nursi	ng	106629	Promoting Wellness in Agin	-
	Science	2(2-0-4)			2(2-0-4)
			106630	Geropsychiatic Nursing	2(2-0-4)

106631	International Health Care	
	System for Elderly People	2(2-0-4)
107522	Transcultural Nursing	2(2-0-4)
430563	Organizational Developmen	nt 3(3-0-6)

The students can select minors from other faculties in Burapha University on approval of the Head of Department.

Thesis		12	credits
149601	Thesis	12	(0-0-48)
Plan B	: Students must enroll i	in the	following
thesis su	bstitute courses.		
. 104639	Nursing Informatics and		
	Technologies	2(2-0-4)
106639	Gerontological Nursing		
	Quality Development	2(2-0-4)
107522	Transcultural Nursing	2(2-0-4)
107624	Nursing Profession Deve	elopme	ent
	•	2(2-0-4)
148601	Inquiry in Nursing	4(0-0-12)

Master of Nursing Science Program in Nursing Administration

Courses Structure

Students are required to take a minimum of 36 credits comprising the following areas of course work:

Plan A

Require	d Courses	34 credits	
Core	e Courses	9 credits	
Area	of Concentration Courses	10 credits	
Majo	or Professional Courses	3 credits	
Thes	sis	12 credits	
Free Ele	ctive Courses	2 credits	
Plan B			
Require	d Courses	32 credits	
Core	Courses	9 credits	
Area	16 credits		
Majo	Major Professional Courses		
Thes	iis	4 credits	
Free Ele	ctive Courses	4 credits	
Require	d Courses		
Pla	n A	34 credits	
Plan	n B	32 credits	
	Core Courses	9 credits	
104522	Leadership in Nursing	2(2-0-4)	
107521	Nursing Theory	2(2-0-4)	
107522	Transcultural Nusing	3(2-2-5)	
107523	Self Care Theory	2(2-0-4)	

Area of Concentration Courses		104524	Curriculum and Instruction	in ·	
Pla	n A	10 credits		Nursing Science	3(3-0-6)
Plai	n B	16 credits	104525	Advanced Nursing Adminis	stration
104641	Entrepreneurial Concepts in	ı			3(3-0-6)
	Nursing Administration	2(2-0-4)	106623	Advanced Gerontological N	lursing
104642	Nursing Quality Assurance	2(2-0-4)			3(3-0-6)
104644	Nursing Resource Manager	nent	106625	Advanced in Mental Health	and ·
		2(2-0-4)		Psychiatric Nursing	3(3-0-6)
104645	Practicum in Nursing		Free El	ective Courses	
	Administration	2(0-8-0)	Pla	n A	2 credits
104646	Seminar in Nursing		Pla	n B	4 credits
	Administration	2(2-0-4)	104527	Nursing Research Seminar	2(2-0-4)
	Plan B		104529	Nursing Educational Admir	istration
104639	Nursing Informatics and				2(2-0-4)
	Technologies	2(2-0-4)	104551	Implementation of Nursing	
104640	Nursing Personnel Develop	ment		Theories in Nursing	
		2(2-0-4)		Administration	2(2-0-4)
104643	International Nursing	2(2-0-4)	104552	Development of Nursing	
	Major Professional Courses	3 credits		Care Delivery	2(2-0-4)
101628	Advanced Community Nurs	sing	104553	Implementation of Nursing	
	Program	3(2-3-4)		Theories in Clinical	
102621	Advanced Nursing in Paren	t		Nursing	2(2-0-4)
	and Newborn	3(2-4-3)	105554	Decision Making in Clinica	1
102623	Advanced Nursing for Child			Nursing	2(2-0-4)
		3(3-0-6)	104555	Theories Related to Nursing	(2(2-0-4)
103621	Advanced Nursing in Adole		104556	International Nursing	
	and Adult	3(2-3-4)		Professional Practice	2(2-0-4)
103622	Advanced Nursing in Adole				
	and Adult Practicum	1(0-4-0)			

104557	Economics in Nursing		104649	Nursing Education Technol	logy
	Science	2(2-0-4)			2(2-0-4)
104558	Strategic Management		104650	Teaching Clinical Nursing	2(2-0-4)
	in Health	2(2-0-4)	104651	Evaluation of Nursing Prac	ticum
104559	Program Evaluation in Hea	lth		_	2(2-0-4)
		2(2-0-4)	107522	Transcultural Nursing	2(2-0-4)
104560	Computer for Research		107624	Nursing Profession Develop	pment
	in Health	2(1-2-3)			2(2-0-4)
104561	Politics in Nursing Professi	on		The students can select	minors from
		2(2-0-4)	other fa	culties in Burapha University	y on approval
104632	Computer for Nursing Adm	inistration	of the H	ead of Department.	
		2(2-0-4)	Thesis		12 credits
104638	Marketing Nursing	2(2-0-4)	104699	Thesis (Plan A)	12(0-0-36)
			Substitu	ite Courses for Thesis	4 credits
			104698	Inquiry in Nursing (Plan B)	4(0-0-12)

Faculty of Public Health

Ma	aster of Public Health Pro	ogram	750503	Environmental and Occupati	onal
Course	s Structure			Health	3(3-0-6)
	The students are required	to take a	750304	Epidermiology and Biostatis	tic 3(3-0-6)
minimur	m of 36 credits composed of the		750305	Research Methodology in	
	course work:	C		Public Health	3(2-2-5)
Plan A			Area of	Concentration Courses	9 credits
	General Education Courses	12 credits		Environmental Health	
-	Area of Concentration Courses		Major R	lequired Courses	6 credits
	Free Elective Courses	3 credits	750510	Environmental Health Policy	<i>'</i>
_	Thesis	12 credits		and Planning	2(2-0-4)
Plan B	110010	. Z orodius	750511	Management and Supervision	n
	General Education Courses	15 credits		of Current Environmental	
	Area of Concentration Courses			Health Issues	2(2-0-4)
		6 credits	750512	Environmental Impact Asses	ssment
	ndependent Study	6 credits.			2(2-0-4)
	Education Courses	o cicaiis.	Major E	lective Courses	3 credits
General		12 credits	750513	Water Supply Management	3(3-0-6)
			750514	Environmental Microbiology	3(3-0-6)
		15 credits	750515	Wastewater Treatment and	
750501	Health Behavior and Social	-()		Management	3(3-0-6)
	Science	3(3-0-6)	750516	Solid Waste Management	3(3-0-6)
	Public Health Administration		750517	Air Pollution Management	3(3-0-6)
750503	Environmental and Occupati			Industrial Hygiene and Safet	y Program
250204	Health	3(3-0-6)	Major R	equired Courses	6 credits
750304	Epidemiology and Biostatisti		750520	Industrial Safety Management	nt
		15 credits		and Related Regulation	3(3-0-6)
750501	Health Behavior and Social		750521	Principle of Disaster Manage	ement
	Science	3(3-0-6)			3(3-0-6)
750502	Public Health Administration	1 3(3-0-6)			

Major E	Elective Courses	3 credits	750541	uses of Computer and MIS	for
750522	Practicum in Health Safety			Surveillance in Epidemiolo	gical
	and Environmental	3(1-6-2)		Study	3(3-0-6)
750523	Risk Assessment and		Major E	Elective Courses	3 credits
	Management	3(3-0-6)	750542	Measurements in Epidemic	logy
750524	Crisis Management	3(3-0-6)			3(3-0-6)
750525	Safety Engineering and		750543	Statistic Methods in	
	Ergonomics	3(3-0-6)		Epidemiology	3(3-0-6)
750526	Disaster Prevention and En	nergency	750544	Seminar in Epidemiology	3(3-0-6)
	Medical System	3(2-3-4)	750545	Research Methods for	
750527	Industrial toxicology and			Epidemiology	3(3-0-6)
	Hazard Management	3(2-3-4)	Free El	ective Courses	
	Public Health Administration	on		Plan A	3 credits
Major R	lequired Courses	6 credits		Plan B	6 credits
750530	Health Policy, Planning,		750550	International Health	3(3-0-6)
	Management and Evaluation	n	750551	Health Promotion in Chang	ing
		3(3-0-6)		Society	3(3-0-6)
750531	Health Resource Managem	ent 3(3-0-6)	750552	Medical Anthropology for	
Major E	lective Courses	3 credits		Health Professional	3(3-0-6)
750532	Health Services and Inform	ation	750553	Computer Technology for I	Health
	System Management	3(3-0-6)		Çare System	3(3-0-6)
750533	Management Process for		750554	Mediation for Health	3(3-0-6)
	Quality of Life	3(3-0-6)	750555	Integrative Health Care	3(3-0-6)
750534	Health Organizational Beha		Thesis		12 credits
		3(3-0-6)	750698	Thesis	12(0-0-36)
• •-	Epidemiology		Indeper	ident Study	6 credits
_	equired Courses	6 credits	750699	Independent Study	6(0-0-18)
/50540	Epidemiological Application				
	Program Analysis, Planning				
	Implementation and Evalua				
		3(3-0-6)			

Faculty of Science

Master of Science Program in		309542	Physical Oceanography	3(3-0-6)		
	Aquatic Science		309543	Advanced Biological Ocean	nography	
Courses	Courses Structure				3(3-0-6)	
	Students are required to tak	ce a minimum	309544	Geological Oceanography	3(3-0-6)	
of 36 c	redits comprising the follow		309545	Aquatic Toxic Assessment	3(3-0-6)	
course v		g	309581	Selected Topic in Oceanog	raphy I	
	d Courses	14 credits			2(2-0-4)	
•	: Courses	10 credits	309582	Selected Topic in Oceanogr	raphy II	
Thesis	Courses	12 credits			2(2-0-4)	
	od Courses	14 credits		The students can select 4	minor credits	
_	ed Courses	14 creatis	from ot	om other faculties in Burapha University		
301311	Experimental Design and Statistical Analysis	3(3-0-6)	approva	l of the Head of Department.		
200501	·			Aquatic Ecology		
309501	Biological Aquatic Science		309560	Marine Flora	3(2-3-4)	
309302	Chemical and Physical Aqu	3(3-0-6)	309561	Advanced Aquatic Ecology	3(3-0-6)	
200511	Science	•	309562	Planktonolgy	3(2-3-4)	
309511	Research Methods in Aqua		309563	Mangrove Ecology	3(2-3-4)	
200/01	Science	3(3-0-6)	309564	Coral Reef Ecology	3(2-3-4)	
309691	Seminar in Aquatic Science		309565	Benthic Ecology	3(2-3-4)	
222502		1(0-2-1)	309566	Aquatic Microbial Ecology	3(2-3-4)	
309692	Seminar in Aquatic Science		309567	Advanced Invertebrate Eco	physiology	
1737 43	0	1(0-2-1)			3(2-3-4)	
Fiective	Courses	10 credits	309568	Fish Ecology	3(3-0-6)	
309531	Oceanography Advanced Aquatic Pollution	n 3(3-0-6)	309583	Selected Topic in Aquatic		
303532	Aquatic Biogeochemistry	3(3-0-6)		Ecology I	2(2-0-4)	
303533	Aquatic Biochemistry	3(3-0-6)	309584	Selected Topic in Aquatic		
303533	Environmental Toxicology			Ecology II	2(2-0-4)	
	Chemical Oceanochemistry					
309541	Chemical Oceanochemistry	3(3-0-0)				

The students can select 4 minor credits from other faculties in Burapha University on approval of the Head of Department.

Aquaculture

309523 Fish and Crustacean Endocrinology					
		3(3-0-6)			
309534	Natural Products from Aqu	aculture			
		3(3-0-6)			
309572	Aquaculture Genetics	3(3-0-6)			
309573	Aquatic Animal Nutrition	3(3-0-6)			
309574	Aquatic Animal Disease	3(2-3-4)			
309575	Algae and Aquatic Plant				
	Aquaculture	3(2-3-4)			
309576	Mollusk Aquaculture	3(2-3-4)			
309577	Crustacean Aquaculture	3(2-3-4)			
309578	Pisciculture	3(2-3-4)			
309579	Aquaculture Engineering	3(3-0-6)			
309585	Selected Topics in Aquacul	ture I			
		2(2-0-4)			
309586	Selected Topics in Aquacul	ture II			
		2(2-0-4)			

The students can select 4 minor credits from other faculties in Burapha University on approval of the Head of Department.

Thesis		12 credits
309699	Thesis	12(0-0-36)

Master of Science Program in Biological Science

Course Structure

Students are required to take a minimum of 36 credits comprising the following areas of course work:

course w	Course work.					
Required	14 credits					
Elective	10 credits					
Thesis	Thesis					
Require	d Courses	14 credits				
301511	Experimental Design and St	atistical				
	Analysis	3(3-0-6)				
306511	Cell and Molecular Biology					
		3(3-0-6)				
316511	Advanced Biochemistry	3(3-0-6)				
318521	Instrumentation in Biologic	al				
	Science	3(2-3-4)				
318691	Seminar I	1(0-2-1)				
318692	Seminar II	1(0-2-1)				
Elective	Courses	10 credits				
	Biochemistry and Biophysics					
316512	Metabolism and Regulation	3(2-3-4)				
316513	Advanced Protein Biochem	istry				
		3(3-0-6)				
316514	Advanced Lipid Biochemis	try				
		3(3-0-6)				
316515	Advanced Nutritional Bioch	nemistry				
		3(2-3-4)				
316521	Advanced Biochemical Tec	hniques				

3(1-6-2)

316522	Experiments on Metabolism		306545	Lower Vascular Plant	
	and Regulation	3(0-9-0)		Biology	3(2-3-4)
316531	Membrane Biophysics	3(3-0-6)	306546	Aquatic Plants	3(2-3-4)
316532	Molecular Biophysics	3(3-0-6)	306547	Plant Microtechniques	3(2-3-4)
316611	Molecular Genetics	3(3-0-6)	306548	Advanced Plant Physiology	I
316633	Free Radicals in Biology				3(2-3-4)
	and Medicine	3(3-0-6)	306549	Advanced Plant Physiology	II
316634	Radiophamaceutics	3(3-0-6)			3(2-3-4)
316635	Selected Topics in Biophys	ics	306641	Plant Morphogenesis	3(2-3-4)
		2(2-0-4)	306642	Plant Geography	3(2-3-4)
316691	Special Research Project in		306643	Plant Developmental Anato	my
	Biochemistry	3(0-9-0)			3(2-3-4)
	Biotechnology		306644	Selected Topics in Botany	2(2-0-4)
307511	Advanced Biotechnology	3(2-3-4)		Marine Biology	
307612	Biotechnology Design	3(2-3-4)	309521	Marine Crustacean Biology	3(2-3-4)
307613	Selected Topics in Biotechi	nology I	309522	Marine Mollusk Biology	3(2-3-4)
		2(2-0-4)	309623	Marine Vertebrate Zoology	3(3-0-6)
307614	Selected Topics in Biotechi	nology II	309624	Marine Animal Physiology	3(2-3-4)
		2(2-0-4)	309625	Marine Animal Endocrinol	ogy
307632	Color and Flavor Technolo	gy			3(3-0-6)
		3(2-3-4)	309643	Advanced Biological Ocean	nography
307652	Fermentation Process	3(2-3-4)			3(3-0-6)
307653	Alcoholic Beverage Produc	ction	309561	Advanced Aquatic Ecology	3(3-0-6)
	Technology	3(2-3-4)	309563	Mangrove Ecology	3(2-3-4)
	Botany		309564	Coral Reef Ecology	3(2-3-4)
306541	Advanced Flowering Plant		309565	Benthic Ecology	3(2-3-4)
	Taxonomy	3(2-3-4)		Microbiology	
306542	Plant Ecology	3(2-3-4)	305512	Foundamental of Immunol	ogy
306543	Phycology	3(2-3-4)			2(2-0-4)
306544	Mycology	3(2-3-4)	305513	General Virology	3(2-3-4)

305514	Selected Topics in		305635	Soil and Agricultural Micro	biology
	Microbial Genetics	3(3-0-6)			3(2-3-4)
305601	Advanced Bacterial Physiol	ogy	305651	Microbial Enzyme Technol	ogy
		3(2-3-4)			3(2-3-4)
305602	Advanced Yeast and Funga	I		Zoology	
	Physiology	3(2-3-4)	306531	Advanced Animal Taxonon	ıy
305603	Advanced Microbial Geneti	cs			3(2-3-4)
		(2-3-4)	306532	Advanced Animal Physiolog	gу
305604	Selected Topicsin Microbio	logy I			3(2-3-4)
		2(2-0-4)	306533	Comparative Endocrinology	3(2-3-4)
305605	Selected Topics in Microbio	ology II	306534	Animal Ecology	3(2-3-4)
		2(2-0-4)	306535	Zoogeography	3(2-3-4)
305606	Microbiological Techniques	3(2-3-4)	306536	Photozoology	3(2-3-4)
305607	Applied Microbiological	3(2-3-4)	306537	Parasitology	3(2-3-4)
305608	Advancde Immunology	3(3-0-6)	306538	Malacology	3(2-3-4)
305609	Advanced Virology	3(3-0-6)	306539	Crustacean Biology	3(2-3-4)
305611	Microbial Products	3(2-3-4)	306631	Medical and Veterinary Ent	omology
305631	Microbial Ecology	3(2-3-4)			3(2-3-4)
305632	Marine and Estuarine Micro	biology	306632	Ichthyology	3(2-3-4)
		3(2-3-4)	306633	Ornithology	3(2-3-4)
305633	Biodegradation and Bioremo	ediation	306634	Mammalogy	3(2-3-4)
		3(2-3-4)	306635	Animal Microtechniques	3(2-3-4)
305634	Waste Utilization by Micros	organisms	306636	Selected Topics in Zoology	2(2-0-4)
		3(2-3-4)	Thesis		12 credits
			318699	Thesis	12(0-0-36)

Maste	er of Science Program in	Chemistry	303558	Advanced Chromatograph	y 3(3-0-6)
Course	s Structure	•	303559	Advanced Capillary Electr	ophoresis
	Students are required to ta	ke a minimum			3(3-0-6)
of 36 c	redits comprising the follo		303651	Selected Topics in Analyti	cal
course v		· ·		Chemistry I	2(2-0-4)
Require	d Courses	8 credits	303652	Selected Topics in Analyti	cal
-	: Courses	16 credits		Chemistry II	2(2-0-4)
Thesis		12 credits		Organic Chemistry	
Require	ed Courses	8 credits	303521	Theoretical Organic Chem	istry
303531	Advanced Physical Chemis	stry			3(3-0-6)
		3(3-0-6)	303522	Practical laboratories for S	tructural
303551	Spectrochemical Methods			Determination of Organic	
	of Analysis	3(3-0-6)		Compounds	3(3-0-6)
303591	Seminar I	1(1-0-2)	303523	Advanced Organic Synthes	sis I
203592	Seminar II	1(1-0-2)			3(3-0-6)
Elective	e Courses	16 credits	303524	Advanced Organic Synthes	sis II
	Analytical Chemistry				3(3-0-6)
303541	Advanced Inorganic Chemi	istry	303525	Advanced Organic Chemis	try I
		3(3-0-6)			3(3-0-6)
303550	Instrumental Analysis Labo	oratory	303526	Advanced Organic Chemis	try II
		2(0-6-6)			3(3-0-6)
303552	Physical and Chemical Sep	arations	303527	Advanced Organic Chemis	-
		3(3-0-6)			3(3-0-6)
303553	Advanced Analytical Chem	istry	303528	Advanced Organic Reaction	
		3(3-0-6)	202520	Mechanism	2(2-0-4)
	Electroanalytical Chemistry		303529	,	2(2.0.4)
	Radiochemistry	3(3-0-6)	202621	Chemistry I	2(2-0-4)
303556	Statistics for Analytical Che	•	303621	Selected Topics in Organic	2/2 0 4
202		3(3-0-6)	303622	Chemistry II Selected Topics in Organic	2(2-0-4)
303557	Chip-Based Chemical Analy	•	303022		2/2 (2.4)
		3(3-0-6)		Chemistry III	2(2-0-4)

Thesis		12 credits	309545	Aquatic Toxic Assessment	3(3-0-6)
303699	Thesis	12(0-0-36)	309561	Advanced Aquatic Ecology	3(3-0-6)
			313531	Environmental Chemistry	2(2-0-4)
7.	Tartan of Colombo Dungan	in	3313535	Microbiology of Wastewate	r 2(2-0-4)
IV.	Saster of Science Progra		313536	Biodegradation and Biorem	ediation
	Environmental Science	ce			3(2-3-4)
Courses	Structure		313571	Environmental Law	2(2-0-4)
	Students are required to tak	e a minimum	313573	Environmental Engineering	3(3-0-6)
of 36 cr	edits comprising the follow	ring areas of	313581	Environmental Economics	2(2-0-4)
course w	ork:		313583	Environmental Quality	
Required	l Courses	15 credits		Management Policy	2(2-0-4)
Elective	Courses	9 credits	313584	Water Resources Management	
Thesis		12 credits			2(2-0-4)
Require	d Courses	15 credits	313585	Waste Water Treatment	2(2-0-4)
301511	Experimental Design and		313674	Selected Topics in Environ	mental
	Statistical Analysis	3(3-0-6)		Science and Technology I	3(3-2-4)
313511	Environmental Science and		313675	Selected Topics in Environ	mental
	Technology	2(2-0-4)		Science and Technology I	2(2-0-4)
313521	Environmental Impact Asse	ssment		General Environmental	
		3(3-0-6)	223512	Remote Sensing and Applic	ation
313582	Environmental Managemen	t3(3-0-6)			3(3-0-6)
313622	Techniques in Environment	al	223513	Geographical Information S	Systems
	Quality Analysis	2(2-0-4)			3(3-0-6)
313691	Seminar I	1(0-2-1)	309537	Environmental Toxicology	3(3-0-6)
313692	Seminar II	1(0-2-1)	313531	Environmental Chemistry	2(2-0-4)
Elective	e Courses	9 credits	313532	Genetics and the Environm	ent
	Aquatic Environment				2(2-0-4)
309531	Advanced Aquatic Pollution		313533	Environmental Physics	2(2-0-4)
309532	Aquatic Biogeochemistry	3(3-0-6)	313534	Microbiology of Environm	ent
309533	Aquatic Biochemistry	3(3-0-6)			2(2-0-4)
309537	Environmental Toxicology	3(3-0-6)			

313536	Biodegradation and Bioremediation		Master of Science Program in		
		3(2-3-4)		Mathematics	
313537	Waste Utilization by Microo	organisms	Course S	Structure	
		3(2-3-4)	•	Students are required to tak	e a minimum
313551	Air Pollution	2(2-0-4)	of 38 cr	edits comprising the follow	ing areas of
313552	Noise Pollution	2(2-0-4)	course w	ork:	
313553	Pollution from Chemistry	2(2-0-4)	Plan A		
313554	Soil Pollution	2(2-0-4)	Requ	nired Courses	14 credits
313555	Food Toxicology	3(3-0-6)	Elec	tive Courses	18 credits
313571	Environmental Law	2(2-0-4)	Thes	is	12 credits
313572	Health Development and		Plan B		
	Environment	3(3-0-6)	Requ	nired Courses	14 credits
313573	Environmental Engineering	3(3-0-6)	Elec	tive Courses	24 credits
313581	Environmental Economics	2(2-0-4)		Project	6 credits
313583	Environmental Quality		Detailed	l Curriculum	
	Management Policy	2(2-0-4)	Require	ed Courses	14 credits
313585	Waste Water Treatment	3(3-2-4)	302521	Linear Algebra	3(3-0-6)
313586	Pollution Control	2(2-0-4)		Fundamentals of	
313634	Human Ecology	2(2-0-4)		Modern Algebra	3(3-0-6)
313635	Environmental Physiology	3(3-0-6)	302571	Real Analysis	3(3-0-6)
313674	Selected Topics in Environ	mental	302572	Functional Analysis	3(3-0-6)
	Science and Technology I	2(2-0-4)	302691	Seminar I	1(0-2-1)
313675	Selected Topics in Environ		302692	Seminar II	1(0-2-1)
	Science and Technology I	2(2-0-4)	Elective	Courses	
313687	Land Use Management	2(2-0-4)	Plan	Α	18 credits
313688			Plan	В	24 credits
	Management	2(2-0-4)	302511	Advanced Calculus	3(3-0-6)
Thesis		12 credits	302512	Theory of Ordinary	
313699	Thesis	12(0-0-36)		Differential Equations	3(3-0-6)

302513	3 Partial Differential Equations		Doctor of Philosophy Program in		
		3(3-0-6)		Biological Science	
302551	Theory of Probability	3(3-0-6)	Course	Structure	
302552	Mathematics of Statistics	3(3-0-6)	Students are required to take a mini		
3025611	Numerical Anaysis	3(3-0-6)	of 84 c	redits comprising the follow	
302573	Complex Analysis	3(3-0-6)	course v		wing areas of
302581	Operations Research	3(3-0-6)		d Courses	16 credits
302582	Mathematical		•	: Courses	20 credits
	Programming I	3(3-0-6)	Thesis	302.00	48 credits
302614	Calculus of Variations	3(3-0-6)		ed Courses	16 credits
302622	Matrix Theory	3(3-0-6)	301511		
302631	Graph Theory and			Analysis	3(3-0-6)
	Applications	3(3-0-6)	306511	-	
302641	Topology	3(3-0-6)	000011	2011 and 112100 and 212108.	3(3-0-6)
302653	Applied probalilities	3(3-0-6)	316511	Advanced Biochemistry	3(3-2-4)
302662	Numerical Solution Ordina	гу	318691	-	1(0-2-1)
	Diffierential Equations	3(3-0-6)	-	Seminar II	1(0-2-1)
302663	Numerical Solution of Part	ial	318793		1(0-2-1)
	Differential Equations	3(3-0-6)	318794	Seminar VI	1(0-2-1)
302683	Mathematical Programming	g II		e Courses	20 credits
		3(3-0-6)		Microbiology	
302684	Optimization Techniques	3(3-0-6)	305512	Foundamental of Immunole	ogy
302693	Special Topics in Mathema				2(2-0-4)
		3(3-0-6)	305513	General Virology	3(2-3-4)
Thesis			305514	Selected Topics in Microb	ial
302699	Thesis (Plan A)	12(0-0-36)		Genetics	3(3-0-6)
302698	Thesis (Plan B)	6(0-0-18)	305601	Advanced Bacterial Physio	logy
					3(2-3-4)
			305602	Advanced Yeast and Funga	ıl
				Physiology	3(2-3-4)

305603	Advanced Microbial Genetics		306533	Comparative Endocrinology	
		3(2-3-4)			3(2-3-4)
305604	Selected Topicsin Microbio	logy I	306534	Animal Ecology	3(2-3-4)
		2(2-0-4)	306535	Zoogeography	3(2-3-4)
305605	Selected Topicsin Microbio	ology II	306536	Photozoology	3(2-3-4)
		2(2-0-4)	306538	Malacology	3(2-3-4)
305606	Microbiological Technique	s 3(2-3-4)	306539	Crustacean Biology	3(2-3-4)
305607	Applied Microbiological	3(2-3-4)	306631	Medical and Veterinary	
305608	Advancde Immunology	3(3-0-6)		Entomology	3(2-3-4)
305609	Advanced Virology	3(3-0-6)	306632	Ichthyology	3(2-3-4)
305611	Microbial Products	3(2-3-4)	305533	Ornithology	3(2-3-4)
305631	Microbial Ecology	3(2-3-4)	306634	Mammalogy	3(2-3-4)
305632	Marine and Estuarine Micro	obiology	306635	Animal Microtechniques	3(2-3-4) -
		3(2-3-4)	306636	Selected Topics in Zoology	2(2-0-4)
305633	Biodegradation and Biorem	ediation	318711	Selected Topics in Bioscien	ice I
		3(2-3-4)			2(2-0-4)
305634	Waste Utilization by Micro	organisms	318712	Selected Topics in Bioscien	ce II
		3(2-3-4)			2(2-0-4)
305635	Soil and Agricultural Micro	biology		Biotechnology	
		3(2-3-4)	307511	Advanced Biotechnology	3(2-3-4)
305651	Microbial Enzyme Technol	ogy	307612	Biotechnology Design	3(2-3-4)
		3(2-3-4)	307613	Selected Topics in Biotechn	ology I
318711	Selected Topics in Bioscien	ce I			2(2-0-4)
		2(2-0-4)	307614	Selected Topics in Biotechn	ology II
318712	Selected Topics in Bioscien	ce II			2(2-0-4)
		2(2-0-4)	307632	Color and Flavor Technolog	gy [*]
	Zaology				3(2-3-4)
306531	Advanced Animal Taxonon	ny	307652	Fermentation Process	3(2-3-4)
		3(2-3-4)	307653	Alcoholic Beverage Product	tion
306532	Advanced Animal Physiolog	gy		Technology	3(2-3-4)
		3(2-3-4)			

318711	Selected Topics in Bioscience I		316691	Spicial Research Project in	
		2(2-0-4)		Biochemistry	3(0-9-0)
318712	Selected Topics in Biosciene	ce II	316531	Membrane Biophysics	3(3-0-6)
		2(2-0-4)	316532	Molecular Biophysics	3(3-0-6)
	Marine Biology		316633	Free Radicals in Biology	
309521	Crustacean Biology	3(2-3-4)		and Medicine	3(3-0-6)
309522	Marine Mollusk Biology	3(2-3-4)	316634	Radiophamaceutics	3(3-0-6)
309543	Advanced Biological		316635 Selected Topics in Biophysics		ics
	Oceanography	3(3-0-6)			2(2-0-4)
309561	Advanced Aquatic Ecology	3(3-0-6)	318711	Selected Topics in Biophysi	ics I
309563	Mangrove Ecology	3(2-3-4)			2(2-0-4)
309564	Coral Reef Ecology	3(3-2-4)	318712	Selected Topics in Biophysi	ics II
309565	Benthic Ecology	3(3-2-4)			2(2-0-4)
309623	Marine Vertebrate Zoology	3(3-0-6)	Students may select no more than 3 credits from		
309624	Marine Animal Physiology	3(2-3-4)	other subject areas. Students may also select		
000605	Marine Animal Endocrinology		courses as electives from other Thai universities		
309625	Marine Animal Endocrinolo	gy	courses	as electives from other Tha	i universities
309625	Marine Animal Endocrinolo	3(3-0-6)		as electives from other Than international universition	
318711	Marine Animal Endocrinolo Selected Topics in Biosciene	3(3-0-6)	or fron		es up to a
	•	3(3-0-6)	or from	n international universitie	es up to a must seek
	Selected Topics in Biosciene	3(3-0-6) ce I 2(2-0-4)	or from	n international universition m of 6 credits. Students	es up to a must seek
318711	Selected Topics in Bioscience	3(3-0-6) ce I 2(2-0-4)	or from	n international universition m of 6 credits. Students from their advisor for inclu	es up to a must seek
318711 318712	Selected Topics in Bioscience Selected Topics in Bioscience Biochemistry and Biophysics	3(3-0-6) ce I 2(2-0-4) ce II 2(2-0-4)	or from maximum approval courses i	n international universition m of 6 credits. Students from their advisor for inclu	es up to a s must seek asion of these
318711 318712 316512	Selected Topics in Bioscience Selected Topics in Bioscience Biochemistry and Biophysics Metabolism and Regulation	3(3-0-6) ce I 2(2-0-4) ce II 2(2-0-4) s 3(2-0-6)	or from maximum approval courses in Thesis 318799	n international universities m of 6 credits. Students from their advisor for inclu n their program.	es up to a must seek asion of these 48 credits 48(0-0-144)
318711 318712 316512	Selected Topics in Bioscience Selected Topics in Bioscience Biochemistry and Biophysics	3(3-0-6) ce I 2(2-0-4) ce II 2(2-0-4) s 3(2-0-6)	or from maximum approval courses in Thesis 318799 For studies 48 creditions of the studies of th	n international universities m of 6 credits. Students from their advisor for inclu n their program. Doctoral Dissertation ents with Master's degree, not are required.	es up to a must seek asion of these 48 credits 48(0-0-144) as fewer than
318711 318712 316512 316513	Selected Topics in Bioscience Selected Topics in Bioscience Biochemistry and Biophysics Metabolism and Regulation Advanced Protein Biochemistry	3(3-0-6) ce I 2(2-0-4) ce II 2(2-0-4) s 3(2-0-6) istry 3(3-0-6)	or from maximum approval courses in Thesis 318799 For studies 48 credit Required	n international universities m of 6 credits. Students from their advisor for inclu n their program. Doctoral Dissertation ents with Master's degree, not are required.	es up to a must seek usion of these 48 credits 48(0-0-144) no fewer than
318711 318712 316512 316513	Selected Topics in Bioscience Selected Topics in Bioscience Biochemistry and Biophysics Metabolism and Regulation	3(3-0-6) cc I 2(2-0-4) cc II 2(2-0-4) s 3(2-0-6) istry 3(3-0-6)	or from maximum approval courses in Thesis 318799 For studies 48 credit Required Elective	n international universities m of 6 credits. Students from their advisor for inclu n their program. Doctoral Dissertation ents with Master's degree, not are required.	es up to a must seek usion of these 48 credits 48(0-0-144) no fewer than 2 credits 10 credits
318711 318712 316512 316513 316514	Selected Topics in Bioscience Selected Topics in Bioscience Biochemistry and Biophysics Metabolism and Regulation Advanced Protein Biochemist Advanced Lipid Biochemist	3(3-0-6) cc I 2(2-0-4) cc II 2(2-0-4) s 3(2-0-6) istry 3(3-0-6) try 3(3-0-6)	or from maximum approval courses in Thesis 318799 For studing Required Elective Thesis	n international universities m of 6 credits. Students from their advisor for inclu n their program. Doctoral Dissertation ents with Master's degree, n s are required. I courses courses	es up to a must seek asion of these 48 credits 48(0-0-144) to fewer than 2 credits 10 credits 36 credits
318711 318712 316512 316513 316514	Selected Topics in Bioscience Selected Topics in Bioscience Biochemistry and Biophysics Metabolism and Regulation Advanced Protein Biochemistry	3(3-0-6) cc I 2(2-0-4) cc II 2(2-0-4) s 3(2-0-6) sistry 3(3-0-6) try 3(3-0-6)	or from maximum approval courses in Thesis 318799 For studing Required Elective Thesis Required Required Thesis Required Thesi	m international universities m of 6 credits. Students from their advisor for inclu n their program. Doctoral Dissertation ents with Master's degree, m s are required. d courses courses	es up to a must seek asion of these 48 credits 48(0-0-144) as fewer than 2 credits 10 credits 36 credits 2 credits
318711 318712 316512 316513 316514	Selected Topics in Bioscience Selected Topics in Bioscience Biochemistry and Biophysics Metabolism and Regulation Advanced Protein Biochemist Advanced Lipid Biochemist Advanced Nutritional Biochemist	3(3-0-6) cc I 2(2-0-4) cc II 2(2-0-4) s 3(2-0-6) istry 3(3-0-6) try 3(3-0-6) nemistry 3(2-3-4)	or from maximum approval courses in Thesis 318799 For studing the Required Elective Thesis Required 318793	n international universities m of 6 credits. Students from their advisor for inclu n their program. Doctoral Dissertation ents with Master's degree, n s are required. I courses courses d Courses Seminar III	es up to a must seek asion of these 48 credits 48(0-0-144) as fewer than 2 credits 10 credits 36 credits 2 credits
318711 318712 316512 316513 316514	Selected Topics in Bioscience Selected Topics in Bioscience Biochemistry and Biophysics Metabolism and Regulation Advanced Protein Biochemist Advanced Lipid Biochemist	3(3-0-6) cc I 2(2-0-4) cc II 2(2-0-4) s 3(2-0-6) istry 3(3-0-6) try 3(3-0-6) nemistry 3(2-3-4)	or from maximum approval courses in Thesis 318799 For studing the Required Elective Thesis Required 318793	m international universities m of 6 credits. Students from their advisor for inclu n their program. Doctoral Dissertation ents with Master's degree, m s are required. d courses courses	es up to a must seek asion of these 48 credits 48(0-0-144) as fewer than 2 credits 10 credits 36 credits 2 credits

Elective Courses	2 credits	313521	Environmental Impact Asse	essment
Students holding E	Bachelor's degrees			3(3-0-6)
must select no fewer than 3	credits from the	313571	Environmental Law	2(2-0-4)
courses listed above. Stude	nts cannot repeat	313581	Environmental Economics	2(2-0-4)
courses they completed in the	ir Master's degree	313582	Environmental Management3(3-0-6)	
program. Advisors must appro	ove elective course	313622	Techniques in Environmental	
selections.			Quality Analysis	2(2-0-4)
Students may also so	elect courses as an	313691	Seminar I	1(0-2-1)
elective from other Thai un	iversities or from	313692	Seminar II	1(0-2-1)
international universities up to	a maximum of 6	313693	Seminar III	1(0-2-1)
credits. Students must seek a	pproval from their	313694	Seminar IV	1(0-2-1)
advisor for inclusion of thes	e courses in their	Elective	Courses 12 credits	
program.		223512	Remote Sensing and Applic	eation
Thesis	36 credits			3(3-0-6)
318899 Doctoral Dissertation	36(0-0-108)	223513	Geographical Information S	Systems
				3(3-0-6)
Doctor of Philosophy Program in		309531	Advanced Aquatic Pollution	n
Environmental Science				3(2-3-4)
Courses Structure		309532	Advanced Biogeochemistry	3(3-0-6)
Students are required to take a minimum		309533	Aquatic Biochemistry	3(3-0-6)
of 84 credits comprising the following areas of		309545	Aquatic Toxic Assessment	3(3-0-6)
course work:		309561	Advanced Aquatic Ecology	3(3-0-6)
Required Courses	24 credits	313531	Environmental Chemistry	2(2-0-4)
Elective Courses	12 credits	313532	Genetics and the Environme	ent
Thesis	48 credits			2(2-0-4)
Required Courses	24 credits		Environmental Physics	2(2-0-4)
301511 Experimental Design	and	313534	Microbiology of Environme	
Statistical Analysis	3(3-0-6)			2(2-0-4)
309537 Environmental Toxico	ology 3(3-0-6)	313535	Microbiology of Waste Wat	
313511 Environmental Science	e and			2(2-0-4)
Technology	2(2-0-4)			

313536	Biodegradation and Bioremediation		advisor for inclusion of these courses in their			
	3(2-3-4)		program.			
313537 Water Utilization by Micro		organisms	Thesis	48 credits		
		3(2-3-4)	313799	Doctoral Dissertation	48(0-144-0)	
313551	Air Pollution	2(2-0-4)	For students with Master's degree, no fewer		no fewer than	
313552	Noise Pollution	2(2-0-4)	48 credits are required			
313553	Pollution from Chemicals	2(2-0-4)	Required Courses		9 credits	
313554	Soil Pollution	2(2-0-4)	Elective	Elective Courses		
313555	Food Toxicology	3(3-0-6)	Thesis		36 credits	
313572	Health Development and		Require	Required Courses		
	Environment	3(3-0-6)	309537	Environmental Toxicology	3(3-0-6)	
313573	Environmental Engineer	3(3-0-6)	313571	Environmental Law	2(2-0-4)	
313583	Environmental Quality		313581	Environmental Economics	2(2-0-4)	
	Management Policy	2(2-0-4)	313693	Seminar III	1(0-2-1)	
313584	3584 Water Resources Management		313694	Seminar IV	1(0-2-1)	
		2(2-0-4)	Elective	Courses	3 credits	
313585	Waste Water Treatment	3(3-2-4)		Students holding Bachelor's	s degrees	
313586	Pollution Control	2(2-0-4)	must select no fewer than 3 credits from the			
313634	Human Ecology	2(2-0-4)	courses listed above. Students cannot repeat			
313635	Environmental Physiology 3(3-0-6)		courses they completed in their Master's degree			
313674	Selected Topics in Environmental		program. Advisors must approve elective course			
	Science and Technology I 2(2-0-4)		selections.			
313675	Selected Topics in Environ	nental	Students may also select courses as an		urses as an	
	Science and Technology II	2(2-0-4)	elective from Thai universities or from			
313687	Land Use Management	2(2-0-4)	international universities up to a minimum of 6			
313688	Integrated Solid Waste		credits. Students must seek approval from their		from their	
	Management	2(2-0-4)	advisor for inclusion of these courses in their			
Students may also select courses as		program.				
electives from other Thai universities or from			Thesis		36 credits	
international universities up to a maximum of 6			3133899	Doctoral Dissertation	36(0-0-108)	
credits. Students must seek approval from their						

Graduate School of Commerce

Graduate Diploma Program in		Required Courses – Research		6 credits		
Project Management and Evaluation		224546	Research for Monitoring and			
Courses	Structure			Evaluation in Regional and	I	
	Students are required to	take a		Local Development Projects		
minimum of 27 credits from the following		following		And Programmers	3(3-0-6)	
sections	:	_	454602	Management Research and		
•	Core Courses	24 credits		Consulting	3(3-0-6)	
	- Required Courses- Management		Require	tired Courses – Project Evaluation		
	•	12 credits			6 credits	
	- Required Courses - Re	search	224542	Project Planning and		
	•	6 credits		Management	3(3-0-6)	
	- Required Courses - Pro	oject	454607	Project Management	3(3-0-6)	
	Evaluation 6 credits		Substantive Report		3 credits	
	Substantive Report	3 credits	454697	Substantive Report	3(0-0-9)	
Required Courses – Management 12 credits		12 credits				
224545	24545 Community Study and Social		Master of Business Administration			
	Mobilization for Development		Program in International Business			
		3(3-0-6)	Courses	s Structure		
224666	Seminar on Co-operation		Plan A:	Plan A (2) requires a minin	num of 45	
	Between Local Agencies	3(3-0-6)	credits for the completion of the program. The			
454503	Production and Operations		curriculum consists of three categories of courses.			
	Management	3(3-0-6)	Core C	ourses	30 credits	
454606	Entrepreneurship and New		Elective	Courses	3 credits	
	Business Venture	3(3-0-6)	Thesis		12 credits.	

Plan B: This program requires a minimum of			455607	International Trade and Ir	ivestment
	ts for the completion of the				3(3-0-6)
The cur	riculum consists of three cat	egories of	455608	International Marketing	3(3-0-6)
courses.			455609	International Finance	3(3-0-6)
Core Co	ourses	30 credits	455611	International Financial Pla	nning
Elective	Courses	3 credits		and Analysis	3(3-0-6)
Substitut	te Courses for Thesis	12 credits.	455612	International Organization	
Plan A				Behavior	3(3-0-6)
Core Co	ourses	30 credits	455613	International Investment A	analysis
	Finance Management	3(3-0-6)			3(3-0-6)
	Strategic Marketing	3(3-0-6)	455614	Business and Society Ethi	ic 3(3-0-6)
453501	Managerial Accounting	3(3-0-6)	455615	Economical Environment	of
	Management Research and	l , , , ,		International Business	3(3-0-6)
	Consulting	3(3-0-6)	455616	International Accounting	3(3-0-6)
455501	International Business Ma	nagement	455618	International Marketing	
		3(3-0-6)		Management	3(3-0-6)
455602	International Human Resou	rce	455619	International Marketing Po	olicy
	Management	3(3-0-6)		and Strategy	3(3-0-6)
455603	Seminar in International I	Business	455620	Quantitative Analysis for	
	Management	3(3-0-6)		International Business	
455604	International Business Eco	onomics		Decisions	3(3-0-6)
		3(3-0-6)	455621	International Financial Ma	magement
455605	International Trade Law	3(3-0-6)			3(3-0-6)
455517	International Accounting		455622	Cross Culture Managemer	nt 3(3-0-6)
•	Information Analysis	3(3-0-6)	455623	International Business Neg	gotiation
Elective	Courses	3 credits			3(3-0-6)
A	At least one course selected	i from the	455624	Global Logistics Managem	ent
followin	g is required:				3(3-0-6)
454610	Business Logistics Manag	gement	455625	International Economics	3(3-0-6)
		3(3-0-6)	455626	E-Commerce In Internation	nal
				Business	3(3-0-6)

455627	Economic Cooperation and	d '	Elective	e Courses	12 credits
	International	3(3-0-6)	454610	Business Logistics Manag	ement
Thesis	•			•	3(3-0-6)
455699	Thesis	12(0-0-36)	455608	International Marketing	3(3-0-6)
Plan B			455609	International Finance	3(3-0-6)
Core Co	urses	33 credits	455611	International Financial Pla	nning
451501	Finance Management	3(3-0-6)		and Analysis	3(3-0-6)
452501	Strategic Marketing	3(3-0-6)	455612	International Organization	Behavior
453501	Managerial Accounting	3(3-0-6)			3(3-0-6)
454602	Management Research and		455613	International Investment A	nalýsis
	Consulting	3(3-0-6)			3(3-0-6)
455501	International Business Ma	nagement	455614	Business and Society Ethics	3(3-0-6)
•		3(3-0-6)	455615	Economical Environment	of
455602	International Human Reso	игсе		International Business	3(3-0-6)
	Management	3(3-0-6)	455616	International Accounting	3(3-0-6)
455603	Seminar in International E	Business	455618	International Marketing M	anagement
	Management	3(3-0-6)			3(3-0-6)
455605	International Business Eco	onomics	455619	International Marketing Po	licy
		3(3-0-6)		and Strategy	3(3-0-6)
455606	International Trade Law	3(3-0-6)	455620	Quantitative Analysis for I	nternational
455517	International Accounting I	nformation		Business Decisions	3(3-0-6)
	Analysis	3(3-0-6)	455621	International Financial Ma	nagement
Substitu	ite Courses for Thesis	12 credits			3(3-0-6)
455607	International Trade and Ir	nvestment	455623	International Business Nego	otiation
		3(3-0-6)			3(3-0-6)
455622	Cross Culture Managemen	nt 3(3-0-6)	455625	International Economics	3(3-0-6)
455624	Global Logistics Manager	nent	455626	E-Commerce In Internation	nal
		3(3-0-6)		Business	3(3-0-6)
455698	Selected Topics in Intern	ational	455627	Economic Cooperation and	
	Business	3(0-0-9)		International	3(3-0-6)

Ma	ster of Business Admin	istration	227603	Seminar in Financial Manag	gement
	Program (For Executi	ive)			3(3-0-6)
Course	Structure		228601	Marketing strategy	3(3-0-6)
	The students are require	ed to take a	228602	Consumer Behavior	3(3-0-6)
minimur	n of 45 credits composes of	the following	228603	Promotion	3(3-0-6)
	courses work:	3	228604	Marketing Research	3(3-0-6)
Core	Courses	30 credits	228605	Sales Management	3(3-0-6)
Elect	tive Courses	3 credits	228606	Seminar in Marketing Mana	igement
Thes		12 credits			3(3-0-6)
	titute Courses for Thesis	12 credits	230601	Business law and Taxation	3(3-0-6)
Core Co		30 credits	230602	Management Information S	ystems
230501	Corporate Leadership	30 creams			3(3-0-6)
230301	Innovations and Changes	3(3-0-6)	230603	Project Management	3(3-0-6)
	_		230604	Organizational Behavior	3(3-0-6)
230504	Statistics for Business	3(3-0-6)	230605	Industrial Relations	3(3-0-6)
230505	Economic for Business	3(3-0-6)	230606	Negotiation Management	3(3-0-6)
230502	Human Resource Managen	nent	230607	International Business	
		3(3-0-6)		Management	3(3-0-6)
229502	Managerial Accounting	3(3-0-6)	230608	Seminar in Management	3(3-0-6)
227501	Managerial Finance	3(3-0-6)	Thesis		12 credits
230503	Quality Service & Total Quality	ality	230691	Thesis	12(0-0-48)
	Management	3(3-0-6)	Substitu	ite Course for Thesis	12 credits
228501	Strategic Marketing	3(3-0-6)	23602	Management Information S	ystems
230504	Project Management	3(3-0-6)			3(3-0-6)
230609	Strategic Thinking and		228601	Negotiation Management	3(3-0-6)
	Competitive Advantage	3(3-0-6)	230603	Project Management	3(3-0-6)
Elective	Courses	3 credits	228604	Marketing Research	3(3-0-6)
227601	Investments	3(3-0-6)	230610	-	
227602	Financial Analysis of Acco	ounting		Administration	3(3-0-6)
	Information	3(3-0-6)			

Graduate School of Public Administration

	Ma	ster of Public Adminis	tration	224543	Human Resource	
	Prog	ram in General Admin	istration		Administration	3(3-0-6)
		Structure		224544	Financial and Fiscal	
	0041502	Students are required to tak	e a minimum		Administration	3(3-0-6)
	of 36 cr	edits comprising the follow		Elective	Courses	6 credits
	course w			224551	Special Problems in	
	Plan A				Administration	3(3-0-6)
		Course	9 credits	224552	Politics and Bureaucracy	3(3-0-6)
		ired Courses	12 credits	224553	Thai Society and	
	-	ive Courses	6 credits		Economic System	3(3-0-6)
	Thes		12 credits	224554	Planning and Project	
	Plan B		12 0100111		Management	3(3-0-6)
		Course	9 credits	224555	Project Analysis and	
		ired Courses	12 credits	•	Evaluation	3(3-0-6)
	-	ive Courses	6 credits	224556	Information System for	
		titute Courses for Thesis	12 credits		Administration	3(3-0-6)
	Core Co		9 credits	224557	Quantitative Analysis for	
		Public Administration Theo	ory		Administration	3(3-0-6)
			3(3-0-6)	224651	Thai Local Administration	3(3-0-6)
	224502	Public Administration	,	224652	Human Resource	
		Research Methodology	3(3-0-6)		Development	3(3-0-6)
	224503	Statistics for Public		224653	Organizational Developm	ent
		Administration Research	3(3-0-6)			3(3-0-6)
•	Require	d Courses	12 credits	224654	Development in Thailand	3(3-0-6)
	224541	Policy and Policy Impleme	ntation	Thesis		12 credits
			3(3-0-6)	224691	Thesis	12(0-0-48)
	224542	Organizational Theory	3(3-0-6)			

Plan B			M	Iaster of Public Admini	stration
Require	ed Courses	2 credits		Program in Public Po	licy
224541	Policy and Policy		Course	s Structure	
	Implementation	3(3-0-6)		Students are required to ta	ke a minimum
224542	Organizational Theory	3(3-0-6)	of 39 c	credits comprising the follo	
224543	Human Resource		course v	• -	J
	Administration	3(3-0-6)	Core Co	ourses	9 credits
6224544	Financial and Fiscal		Area of	Concentration Courses	12 credits
	Administration	3(3-0-6)	Elective	e Courses	6 credits
Elective	Courses	6 credits	Thesis		12 credits
224553	Thai Society and Economic	;	Core C	ourses	9 credits
	Systems	3(3-0-6)	224501	Policy Administration The	
224555	Project Analysis and				3(3-0-6)
	Evaluation	3(3-0-6)	224502	Public Administration Res	
224556	Information Systems for			Methodology	3(3-0-6)
	Administration	3(3-0-6)	435511	Statistic Method for Resea	•
224557	Quantitative Analysis for				3(3-0-6)
	Administration	3(3-0-6)	Area of	Concentration Courses	12 credits
224651	Thai Local Administration	3(3-0-6)	224511	Public Policy Making	
224652	Human Resource			and Analysis	3(3-0-6)
	Development	3(3-0-6)	224512	Policy Implementation	3(3-0-6)
224653	Organizational Developm	ent	224513	Planning and Project Mana	gement
		3(3-0-6)			3(3-0-6)
Substitu	ite Courses for Plan B	12 credits	224514	Policy Evaluation	3(3-0-6)
224551	Special Problems in		Elective	e Courses	6 credits
	Administration	3(3-0-6)		Theoretical Thinking Grou	p
224552	Politics and Bureaucracy	3(3-0-6)	224521	Organization Theory and	
224554	Planning and Project			Behavior	3(3-0-6)
	Management	3(3-0-6)	224522	Public Sector Personnel	
224654	Development in Thailand	3(3-0-6)		Administration	3(3-0-6)
224655	Ethics for Administrators	3(3-0-6)			·

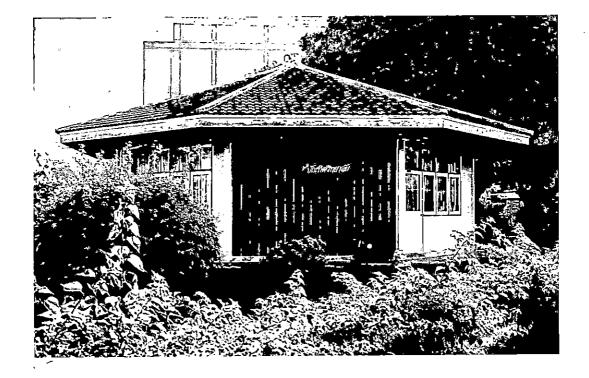
224523	Economics for Policy		224537	Organization Development	
-	Development	3(3-0-6)		Techniques	3(3-0-6)
224524	Fiscal Policy for Developm	ent	224631	Seminar o Economic and	
		3(3-0-6)		Social Problems in Eastern	
224525	Thailand's Development Po	olicy		Thailand	3(3-0-6)
		3(3-0-6)	224632	Seminar on Urban and Rura	ત્રી
224526	Ethics and Public Policy	3(3-0-6)		Problems in Eastern	
224621	Urban Politics and Public P	olicy		Thailand	3(3-0-6)
		3(3-0-6)	224633	Seminar on Public Policy	
224622	Rural Politics and Public Po	olicy		Concerning Environmental	
		3(3-0-6)		Administration in Industria	l
224623	Politics and Bureaucracy	3(3-0-6)		Areas	3(3-0-6)
224624	Local Administration	3(3-0-6)	224634	Seminar on Public Policy	
224625	Policy of Human Resource	s		Concerning Sea Communication	
	Development	3(3-0-6)		and the Connection Transpe	ortation
224626	Public Enterprise Policy	3(3-0-6)		System	3(3-0-6)
	Applied Technique Group		224635	Seminar on Public Policy	
224531	Data Management for Rese	arch		Concerning Administration	of
	in Public Administration	3(3-0-6)		Industrial Cities and Port C	ities
224532	Information System in Poli	су			3(3-0-6)
	Making Process	3(3-0-6)	224636	Seminar on Science Techno	ology
224533	Accounting for Public			and Environmental Policies	3(3-0-6)
	Administration	3(3-0-6)	224637	Seminar on Thailand's Fore	eign
224534	Public Marketing	3(3-0-6)		Policy	3(3-0-6)
224535	Special Problems in Public		Thesis		12 credits
	Policy	3(3-0-6)	224691	Thesis	12(0-0-48)
224536	Economics of the Bureaucr	acy			
		3(3-0-6)			

Plan B	: Students must enroll in	the following	224623	Politics and Public Policy	3(3-
thesis su	bstitute courses.		224624	Local Administration	3(3-
224535	Special Problems on Public	Policy	224635	Seminar on Public Policy	
		3(3-0-6)		Concerning Administration	of
224525	Thailand's Development P	olicy		Industrial Cities and Port C	ities
		3(3-0-6)			3(3-
224531	Data Management for Rese	earch	224637	Seminar on Thailand's Fore	eign
	in Public Administration	3(3-0-6)		Policy	3(3-
224537	Organization Development				
	Techniques	3(3-0-6)			

3(3-0-6) 3(3-0-6)

3(3-0-6)

3(3-0-6)





International Graduate Programs

International Graduate Programs

Master of Business Administration				General Management	
P	rogram (International	Program)	230502	Human Resource Manager	ment
	Structure				3(3-0-6)
Plan A			230506	Quantitative Analysis for	Business
Core	Courses	30 credits		Decisions	3(3-0-6)
Elec	tive Courses	3 credits -	230507	Entrepreneurship and New	Business
Thes	is	12 credits		Ventures	3(3-0-6)
Plan B			230602	Competitiveness Through	Information
Core	Courses	33 credits		Management	3(3-0-6)
Elec	tive Courses	12 credits	230603	Project Management	3(3-0-6)
Core Co		30 credits	230604	Corporate Leadership Innov	vation
	Managerial Finance	3(3-0-6)		and Change	3(3-0-6)
	Strategic Marketing	3(3-0-6)	230605	Negotiation Management	3(3-0-6)
229501 Financial Planning and Ar			230606 lysis	Seminar in Management	3(3-0-6)
·		3(3-0-6)		International Business	
229502	Managerial Accounting	3(3-0-6)	230701	International Business Ma	nagement
	Management & Organiza	, ,			3(3-0-6)
	Behavior	3(3-0-6)	230702	Cross Cultural Manageme	nt
230503	Quality Service & Total Quality	, ,			3(3-0-6)
	Management	3(3-0-6)	230703	International Business Neg	gotiation
230504		3(3-0-6)			3(3-0-6)
230505	Economics for Business	3(3-0-6)	230704	Global Business Strategy	3(3-0-6)
230609	Strategic Thinking and Cor	npetitive	230705	Global Logistics Managen	nent
	Advantage	3(3-0-6)			3(3-0-6)
230611	Management Research an	d	230706	International Organizationa	
	Consulting	3(3-0-6)			3(3-0-6)
Elective	Courses	3 credits		International Economics	3(3-0-6)
At least	one course selected from	the	230708	International Investment A	-
followin	g:				3(3-0-6)

	Marketing		230501	Management & Organizat	ional
228601	Marketing Strategy	3(3-0-6)		Behavior	3(3-0-6)
228602	Consumer Behavior	3(3-0-6)	230503	Quality Service & Total Qu	ality
228603	International Marketing M	anagement		Management	3(3-0-6)
		3(3-0-6)	230504	Statistics for Business	3(3-0-6)
228604	Marketing Research	3(3-0-6)	230505	Economics for Business	3(3-0-6)
228605	Marketing Communication	3(3-0-6)	230609	Strategic Thinking and Cor	mpetitive
228606	Seminar in Marketing	3(3-0-6)		Advantage	3(3-0-6)
228607	Advertising Strategy	3(3-0-6)	230610	Selected Topics in Business	3
228608	Distribution Management	3(3-0-6)		Administration	3(0-0-9)
	Finance and Accounting		230611	Management Research and	d Consulting
227601	Investment	3(3-0-6)			3(3-0-6)
227602	Derivative and Corporate	Risk	Elective	Courses	12 credits
	Management	3(3-0-6)		General Management	
227603	Seminar in Finance	3(3-0-6)	230502	Human Resource Managem	ient
227604	Financial Modeling for De	ecision			3(3-0-6)
	Support	3(3-0-6)	230506	Quantitative Analysis for	Business
229503	Cost Accounting	3(3-0-6)		Decisions	3(3-0-6)
229504	Accounting for Decision	Making	230507	Entrepreneurship and New	/ Business
		3(3-0-6)		Venture	3(3-0-6)
229505	Accounting Analysis	3(3-0-6)	230602	Competitiveness through l	Information
229506	Tax Accounting	3(3-0-6)		Management	3(3-0-6)
Thesis			230603	Project Management	3(3-0-6)
230691	Thesis	12(0-0-36)	230604	Corporate Leadership Inno	ovation
Plan B				and Change	3(3-0-6)
Core Co	ourses	33 credits	230605	Negotiation Management	3(3-0-6)
227501	Managerial Finance	3(3-0-6)	230606	Seminar in Management	3(3-0-6)
228501	Strategic Marketing	3(3-0-6)		International Business	
229501	Financial Planning and Ana	alysis	230701	International Business M	lanagement (
		3(3-0-6)	•		3(3-0-6)
229502	Managerial Accounting	3(3-0-6)			

230702	Cross Cultural Management	nt	Ma	ster of Engineering Pro	gram in
		3(3-0-6)		Engineering Managem	ent
230703	International Business Neg	gotiation 3(3-0-6)		(International Progra	m)
220704	Global Business Strategy		Course	Structure	
	Global Logistics Managen	•		Students are required to tak	e a minimum
230703	Global Logistics Managen	3(3-0-6)	of 39 cro	edits comprising of the follo	wing areas of
220706	International Organizations	,	course w	ork:	
230700	Behavior	3(3-0-6)	Core Co	urses	21 credits
230707	International Economics	3(3-0-6)	Elective	Courses	6 credits
230707	International Investment A		Thesis		12 credits
230700	international investment	3(3-0-6)	Core C	ourses	14 credits
	Marketing	5(5 0 0)	550510	Energy Management Engin	eering
228601	Marketing Strategy	3(3-0-6)			3(3-0-6)
	Consumer Behavior	3(3-0-6)	550511	Financial Analysisand Con	trol
	International Marketing	-(,		Systems for Engineer	3(3-0-6)
220005	Management	3(3-0-6)	550512	Information Systems Analy	rsis
228604	Marketing Research	3(3-0-6)		and Design	3(3-0-6)
	Marketing Communication		550520	Logistics System Analysis	3(2-3-4)
220002		3(3-0-6)	550521	Quality Engineering	3(3-0-6)
228606	Seminar in Marketing	3(3-0-6)	550530	Advanced Manufacturing	
228607	Advertising Strategy	3(3-0-6)		Systems Intergration	3(2-2-5)
228608	Distribution Management	3(3-0-6)	5850631	Value Design and Engineer	ring
	Finance and Accounting				3(2-2-5)
227601	Investment	3(3-0-6)	Elective	e Courses	6 credits
227602	Derivative and Corporate	Risk		Management of Technology	
	Management	3(3-0-6)	550613	Advanced Analytical Meth	ods
227603	Seminar in Finance	3(3-0-6)		for Management	3(3-0-6)
227604	Financial Modeling for D	ecision	550614	Advanced Marketing Mana	_
	Support	3(3-0-6)		for Engineers	3(3-0-6)
229503	Cost Accounting	3(3-0-6)	550615	Human Resource Managen	
				in Engineering	3(3-0-6)

550616	Advanced Project Managen	nent	Mast	ter of Nursing Science 1	Program in
		3(3-0-6)	•	Nursing Administra	tion
550617	Case Studies in General Ma	3(3-0-6)		(International Progra	am)
550618T	echnological Innovation Ma	nagement	Course	s Structure	
		3(3-0-6)		Students are required to ta	ike a minimum
•	Industrial and Quality Engi	• •	of 40 c	redits comprising the follo	owing areas of
550622	Advanced Engineering Eco	_	course v	work:	
		3(3-0-6)	Plan A		
550623	Selected Topics inQuality A	, ,	Core	e Courses	9 credits
	,	3(3-0-6)	Maj	or Courses	12 credits
550624	Experimentation in	-()	Elec	etive Courses	4 credits
	Engineering Management	3(3-0-6)	Free	Elective Courses	3 credits
	550625' Industrial Systems Simulation		The	sis	12 credits
	inducation by storing different	3(3-0-6)	Plan B		
550626	Reliablility and	5(5 0 0)	Core	e Courses	9 credits
330020	Maintenance Management	3(3-0-6)	Maj	or Courses	12 credits
550627	Methods of Industria	3(3 0 0)	Elec	ctive Courses	4 credits
330027	Engineering	3(2-2-5)	Free	Elective Courses	3 credits
550629	Safety Engineering Manage		Sub	stitute Courses for Thesis	12 credits
330628	Safety Engineering Manage	3(3-0-6)	Core C	ourses	9 credits
	Manufacturing Engineering		435511	Statistical methods for	
550632	Advanced Production			Research	3(3-0-6)
000002	Planning and Scheduling	3(3-0-6)	104521	Research Methodology	
550633				in Nursing	2(2-0-4)
000000	Optimization	3(3-0-6)	104522	Leadership in Mursing	2(2-0-4)
550634	Interdiscipinary Problems in		107521	Nursing Theory	2(2-0-4)
55005	Manufacturing Engineering				
550635	•				
Thesis		· 12 credits			
550699		12(0-0-36)			

Major C	Courses	12 credits	Thesis	12 credits			
104533	Nursing Administration I	2(2-0-4)	104699	Thesis	12(0-0-36)		
104534	Nursing Administration II	3(3-0-6)	Substitu	ite Courses for Thesis	4 credits		
104535	Nursing Administration III	2(2-0-4)	104639	Nursing Information and			
104536	Nursing Administration IV	3(3-0-6)		Technology	2(2-0-4)		
104637	Seminar in Nursing		104642	Nursing Quality Assurance	2(2-0-4)		
	Administration	2(2-0-4)	104698	Inquiry in Nursing (Plan B)	4(0-0-12)		
Elective	Courses	4 credits	107522	Transcultural Nursing,	2(2-0-4)		
101627	Advanced Community Nurs	sing	107624	Nursing Professional Develo	opment		
		3(3-0-6)		•	2(2-0-4)		
101628	Advanced Community						
	Nursing/Practicum	I(0-4-0)	Ma	ster of Public Health Pr	ogram		
102621	Advanced Nursing in Paren	t		(International Program	Ü		
	and Newborn Care	3(3-0-6)	C				
102622	Advanced Nursing in Paren	t and	Courses Structure				
	Newborn Care Practicum	1(0-4-0)	-6.26	Students are required to tak			
103621	Advanced Nursing in Adole	escent		redits comprising the follow	ing areas of		
	and Adult Care	3(2-4-3)	course w	OTK:	ŕ		
130622	Advanced Nursing in Adole	escent	Plan A	171 4 6			
	and Adult Care Practicum	1(0-4-0)		General Education Courses	12 credits		
106623	Advanced Gerontological			area of Concentration Courses			
	Nursing	3(3-0-6)		ree Elective Courses	3 credits		
106624	Advanced Gerontological			hesis	12 credits		
	Nursing Practicum	1(0-4-0)	Plan B	Samuel Education Course	15 . 14		
Free Ele	ctive Courses	3 credits		General Education Courses	15 credits		
	Students may also select co	urses as free		rea of Concentration Courses	6 credits		
electives	from faculties in other Tha	i universities		dependent Study			
or from i	nternational universities up t	o a minimum	11.	echengent sings	6 credits.		
of 3 cre	dits. Students must seek ap	pproval from					
their advisor for inclusion of these courses in their				·			

program.

General	Education Courses		750515	Wastewater Treatment and	
	Plan A	12 credits		Management	3(3-0-6)
	Plan B	15 credits	750516	Solid Waste Management	3(3-0-6)
750501	Health Behavior and Social		750517	Air Pollution Management	3(3-0-6)
	Science	3(3-0-6)		Industrial Hygiene and Safe	ty Program
750502	Public Health Administration	1 3(3-0-6)	Major R	lequired Courses	6 credits
750503	Environmental and Occupati	onal	750520	Industrial Safety Manageme	ent
	Health	3(3-0-6)		and Related Regulation	3(3-0-6)
750304	Epidemiology and Biostatist	ic 3(3-0-6)	750521	Principle of Disaster Manag	gement
	Plan B	15 credits			3(3-0-6)
750501	Health Behavior and Social		Major E	lective Courses	3 credits
	Science	3(3-0-6)	750522	Practicum in Health Safety	
750502	Public Health Administration	n 3(3-0-6)		and Environmental	3(1-6-6)
	Environmental and Occupati		750523	Risk Assessment and	
	Health	3(3-0-6)		Management	3(3-0-6)
750304	Epidermiology and Biostatis	tic 3(3-0-6)	750524	Crisis Management	3(3-0-6)
750305	Research Methodology in		750525	Safety Engineering and	
	Public Health	3(2-2-5)		Ergonomics	3(3-0-6)
Area of	Concentration Courses	9 credits	750526	Disaster Prevention and En	nergency
	Environmental Health			Medical System	3(2-3-4)
Major R	equired Courses	6 credits	750527	Industrial toxicology and	
750510	Environmental Health Policy	y		Hazard Management	3(2-3-4)
	and Planning	2(2-0-4)	ζ,	Public Health Administrati	on
750511	Management and Supervision	on	-	Required Courses	6 credits
	of Current Environmental		750530	Health Policy, Planning,	
	Health Issues	2(2-0-4)		Management and Evaluation	
750512	Environmental Impact Asset	ssment			3(3-0-6)
		2(2-0-4)	750531	Health Resource Managem	
Major E	Elective Courses	3 credits	-	Elective Courses	3 credits
750513	Water Supply Management	3(3-0-6)	750532	Health Services and Inform	
750514	Environmental Microbiolog	y 3(3-0-6)		System Management	3(3-0-6)

750533	Management Process for		750554	Mediation for Health	3(3-0-6)
	Quality of Life	3(3-0-6)	750555	Integrative Health Care	3(3-0-6)
750534	Health Organizational Beh	avior	Thesis		12 credits
		3(3-0-6)	750698	Thesis	12(0-0-36)
	Epidemiology		Indepe	ndent Study	6 credits
Major R	lequired Courses	6 credits	750699	Independent Study	6(0-0-18)
750540	Epidemiological Application	on for			
	Program Analysis, Plannin	g,	Do	octor of Philosophy Pro	gram in
	Implementation and Evalua	ation		Biological Science	
		3(3-0-6)		- ,	\
750541	uses of Computer and MIS	for	-	(International Progra	im)
	Surveillance in Epidemiolo	gical	Course	Structure	
	Study	3(3-0-6)	C 0.4	Students are required to tal	
Major I	Elective Courses	3 credits		redits comprising the follow	wing areas of
750542	Measurements in Epidemic	ology	course v		
		3(3-0-6)	-	d Courses	16 credits
750543	Statistic Methods in			Courses	20 credits
	Epidemiology	3(3-0-6)	Thesis	-	48 credits
750544	Seminar in Epidemiology	3(3-0-6)	=	ed Courses	16 credits
750545	Research Methods for		301511	Experimental Design and S	
	Epidemiology	3(3-0-6)		Analysis	3(3-0-6)
Free Ele	ective Courses		306511	Cell and Molecular Biology	
	Plan A	3 credits			3(3-0-6)
	Plan B	6 credits		Advanced Biochemistry	3(3-2-4)
750550	International Health	3(3-0-6)	318691		1(0-2-1)
750551	Health Promotion in Chang	ing		Seminar II	1(0-2-1)
	Society	3(3-0-6)		Seminar III	1(0-2-1)
750552	Medical Anthropology for			Seminar VI	1(0-2-1)
	Health Professional	3(3-0-6)	Fiective	Courses	20 credits
750553	Computer Technology for I	Health	205512	Microbiology	
	Care System	3(3-0-6)	303312	Foundamental of Immunolo	
					2(2-0-4)

,	•				,
305513	General Virology	3(2-3-4)	318712	Selected Topics in Bioscien	ce II
305514	Selected Topics in Microb	ial			2(2-0-4)
	Genetics	3(3-0-6)		Zoology	
305601	Advanced Bacterial Physio	logy	306531	Advanced Animal Taxonon	ıy
		3(2-3-4)			3(2-3-4)
305602	Advanced Yeast and Funga	ıl	306532	Advanced Animal Physiolo	gy
	Physiology	3(2-3-4)			3(2-3-4)
305603	Advanced Microbial Genet	ics	306533	Comparative Endocrinology	y
		3(2-3-4)			3(2-3-4)
305604	Selected Topicsin Microbio	ology I	306534	Animal Ecology	3(2-3-4)
		2(2-0-4)	306535	Zoogeography	3(2-3-4)
305605	Selected Topicsin Microbia	ology II	306536	Photozoology	3(2-3-4)
		2(2-0-4)	306538	Malacology	3(2-3-4)
305606	Microbiological Technique	es 3(2-3-4)	306539	Crustacean Biology	3(2-3-4)
305607	Applied Microbiological	3(2-3-4)	306631	Medical and Veterinary	
305608	Advancde Immunology	3(3-0-6)		Entomology	3(2-3-4)
305609	Advanced Virology	3(3-0-6)	306632	Ichthyology	3(2-3-4)
305611	Microbial Products	3(2-3-4)	305533	Omithology	3(2-3-4)
305631	Microbial Ecology	3(2-3-4)	306634	Mammalogy	3(2-3-4)
305632	Marine and Estuarine Micr	robiology	306635	Animal Microtechniques	3(2-3-4)
		3(2-3-4)	306636	Selected Topics in Zoology	2(2-0-4)
305633	Biodegradation and Bioren	mediation	318711	Selected Topics in Bioscier	nce I
		3(2-3-4)			2(2-0-4)
305634	Waste Utilization by Micro	oorganisms	318712	Selected Topics in Bioscier	nce II
		3(2-3-4)			2(2-0-4)
305635	Soil and Agricultural Micr	obiology		Biotechnology	
		3(2-3-4)	307511	Advanced Biotechnology	3(2-3-4)
305651	Microbial Enzyme Techno	logy	307612		3(2-3-4)
	,	3(2-3-4)	307613	Selected Topics in Biotech	
318711	Selected Topics in Bioscie	ence I			2(2-0-4)
		2(2-0-4)			

307614	Selected Topics in Biotechno	ology II		Biochemistry and Biophysics	
	. ;	2(2-0-4)	316512	Metabolism and Regulation	3(2-0-6)
307632	Color and Flavor Technolog	у	316513	Advanced Protein Biochemi	stry .
		3(2-3-4)			3(3-0-6)
307652	Fermentation Process	3(2-3-4)	316514	Advanced Lipid Biochemist	гу
					3(3-0-6)
307653	Alcoholic Beverage Product	ion	316515	Advanced Nutritional Bioch	emistry
	Technology	3(2-3-4)			3(2-3-4)
318711	Selected Topics in Biosciene	ce I	316522	Experiments on Metabolism	ı
		2(2-0-4)		and Regulation	2(2-0-4)
318712	Selected Topics in Biosciene	ce II	316691	Spicial Research Project in	
		2(2-0-4)		Biochemistry	3(0-9-0)
	Marine Biology		316531	Membrane Biophysics	3(3-0-6)
309521	Crustacean Biology	3(2-3-4)	316532	Molecular Biophysics	3(3-0-6)
309522	Marine Mollusk Biology	3(2-3-4)	316633	Free Radicals in Biology	
309543	Advanced Biological			and Medicine	3(3-0-6)
	Oceanography	3(3-0-6)	316634	Radiophamaceutics	3(3-0-6)
309561	Advanced Aquatic Ecology	3(3-0-6)	316635	Selected Topics in Biophys	ics
309563	Mangrove Ecology	3(2-3-4)		4.	2(2-0-4)
309564	Coral Reef Ecology	3(3-2-4)	318711	Selected Topics in Biophys	ics I
309565	Benthic Ecology	3(3-2-4)			2(2-0-4)
309623	Marine Vertebrate Zoology	3(3-0-6)	318712	Selected Topics in Biophys	ics II
309624	Marine Animal Physiology	3(2-3-4)			2(2-0-4)
309625	Marine Animal Endocrinolo	ogy	Students	may select no more than 3	credits from
		3(3-0-6)	other su	ubject areas. Students may	also select
318711	Selected Topics in Bioscien		courses	as electives from other Tha	i universities
		2(2-0-4)	or from	n international universitie	es up to a
318712	Selected Topics in Bioscien	ce II	maximu	m of 6 credits. Student	must seek
		2(2-0-4)	approva	from their advisor for inclu	usion of these
			courses	in their program.	

Thesis		48 credits
318799	Doctoral Dissertation	48(0-144-0)
For stud	ents with Master's degree	, no fewer than
48 credit	s are required.	

Elective Courses	2 credits
318794 Seminar IV	1(0-2-1)
318793 Seminar III	1(0-2-1)
Required Courses	2 credits
Thesis	36 credits
Elective courses	10 credits
Required courses	2 credits

Students holding Bachelor's degrees must select no fewer than 3 credits from the courses listed above. Students cannot repeat courses they completed in their Master's degree program. Advisors must approve elective course selections.

Students may also select courses as an elective from other Thai universities or from international universities up to a maximum of 6 credits. Students must seek approval from their advisor for inclusion of these courses in their program.

Thesis		36 credits
318899	Doctoral Dissertation	36(0-0-108)

Doctor of Philosophy Program in Environmental Science (International Program)

Courses Structure

Students are required to take a minimum of 84 credits comprising the following areas of course work:

course w	ork:	
Required	Courses	24 credits
Elective	Courses	12 credits
Thesis		48 credits
Require	d Courses	24 credits
301511	Experimental Design and	
	Statistical Analysis	3(3-0-6)
309537	Environmental Toxicology	3(3-0-6)
313511	Environmental Science and	
	Technology	2(2-0-4)
313521	Environmental Impact Asse	essment
		3(3-0-6)
313571	Environmental Law	2(2-0-4)
313581	Environmental Economics	2(2-0-4)
313582	Environmental Managemen	nt3(3-0-6)
313622	Techniques in Environment	tal
	Quality Analysis	2(2-0-4)
313691	Seminar I	1(0-2-1)
313692	Seminar II	1(0-2-1)
313693	Seminar III	1(0-2-1)

1(0-2-1)

313694 Seminar IV

Elective	Courses	12 credits	313584	Water Resources Manageme	ent
223512	Remote Sensing and Applic	ation			2(2-0-4)
		3(3-0-6)	313585	Waste Water Treatment	3(3-2-4)
223513	Geographical Information S	ystems	313586	Pollution Control	2(2-0-4)
		3(3-0-6)	313634	Human Ecology	2(2-0-4)
309531	Advanced Aquatic Pollution	13(2-3-4)	313635	Environmental Physiology	3(3-0-6)
309532	Advanced Biogeochemistry	3(3-0-6)	313674	Selected Topics in Environment	nental
309533	Aquatic Biochemistry	3(3-0-6)		Science and Technology I	2(2-0-4)
309545	Aquatic Toxic Assessment	3(3-0-6)	313675	Selected Topics in Environs	mental
313531	Environmental Chemistry	2(2-0-4)		Science and Technology II	2(2-0-4)
313532	Genetics and the Environme	ent	313687	Land Use Management	2(2-0-4)
		2(2-0-4)	313688	Integrated Solid Waste	
313533	Environmental Physics	2(2-0-4)		Management	2(2-0-4)
313534	Microbiology of Environme	ent		Students may also select	t courses as
		2(2-0-4)	elective	s from other Thai universi	ities or from
313535	Microbiology of Waste Wa	ter	internati	onal universities up to a m	aximum of 6
		2(2-0-4)	credits.	Students must seek approv	al from their
313536	Biodegradation and Biorem			Students must seek approv	
313536	Biodegradation and Biorem			for inclusion of these cou	
	Biodegradation and Biorem Water Utilization by Micro	3(2-3-4)	advisor	for inclusion of these cou	
	-	3(2-3-4)	advisor program Thesis	for inclusion of these cou	urses in their
313537	-	adiation 3(2-3-4) organisms	advisor program Thesis 313799	for inclusion of these cou	48 credits 48(0-144-0)
313537 313551	· Water Utilization by Micro	3(2-3-4) organisms 3(2-3-4)	advisor program Thesis 313799 For stud	for inclusion of these count. Doctoral Dissertation	48 credits 48(0-144-0)
313537 313551 313552	Water Utilization by Micro	3(2-3-4) organisms 3(2-3-4) 2(2-0-4)	advisor program Thesis 313799 For stud 48 credi	for inclusion of these count. Doctoral Dissertation lents with Master's degree, a	48 credits 48(0-144-0)
313537 313551 313552 313553	Water Utilization by Micro Air Pollution Noise Pollution	3(2-3-4) organisms 3(2-3-4) 2(2-0-4)	advisor program Thesis 313799 For stud 48 credi	for inclusion of these count. Doctoral Dissertation lents with Master's degree, a	48 credits 48(0-144-0) no fewer than
313537 313551 313552 313553 313554	Water Utilization by Micro Air Pollution Noise Pollution Pollution from Chemicals	action 3(2-3-4) organisms 3(2-3-4) 2(2-0-4) 2(2-0-4)	advisor program Thesis 313799 For stud 48 credi	for inclusion of these count. Doctoral Dissertation lents with Master's degree, and the are required deformation.	48 credits 48(0-144-0) no fewer than 9 credits
313537 313551 313552 313553 313554 313555	Water Utilization by Micro Air Pollution Noise Pollution Pollution from Chemicals Soil Pollution	action 3(2-3-4) organisms 3(2-3-4) 2(2-0-4) 2(2-0-4) 2(2-0-4)	advisor program Thesis 313799 For stud 48 credi Require Elective Thesis	for inclusion of these count. Doctoral Dissertation lents with Master's degree, and the are required deformation.	48 credits 48 (0-144-0) no fewer than 9 credits 3 credits
313537 313551 313552 313553 313554 313555	Air Pollution Noise Pollution Pollution from Chemicals Soil Pollution Food Toxicology	action 3(2-3-4) organisms 3(2-3-4) 2(2-0-4) 2(2-0-4) 2(2-0-4)	advisor program Thesis 313799 For stud 48 credit Require Elective Thesis Require	for inclusion of these count. Doctoral Dissertation lents with Master's degree, and the are required deformable. Courses	48 credits 48 (0-144-0) no fewer than 9 credits 3 credits 36 credits
313537 313551 313552 313553 313554 313555 313572	Air Pollution Noise Pollution Pollution from Chemicals Soil Pollution Food Toxicology Health Development and	action 3(2-3-4) organisms 3(2-3-4) 2(2-0-4) 2(2-0-4) 2(2-0-4) 2(2-0-4) 3(3-0-6)	advisor program Thesis 313799 For stud 48 credit Require Elective Thesis Require	for inclusion of those count. Doctoral Dissertation lents with Master's degree, ints are required d Courses Courses Environmental Toxicology	48 credits 48 (0-144-0) no fewer than 9 credits 3 credits 36 credits
313537 313551 313552 313553 313554 313555 313572	Air Pollution Noise Pollution Pollution from Chemicals Soil Pollution Food Toxicology Health Development and Environment	action 3(2-3-4) organisms 3(2-3-4) 2(2-0-4) 2(2-0-4) 2(2-0-4) 3(3-0-6)	advisor program Thesis 313799 For stude 48 credit Require Elective Thesis Require 309537 313571	for inclusion of those count. Doctoral Dissertation lents with Master's degree, into the are required defended Courses Courses Environmental Toxicology	48 credits 48(0-144-0) no fewer than 9 credits 3 credits 36 credits 9 credits

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Faculty of Education

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1.	Bunpiem, Sakdina	Lecturer	M.Sc. (Behavioral Science), Srinakharinwirot
2.	Dhamacharoen, Sang-Aroon	Lecturer	M.Ed. (Social Psychology), Univ. of Colorado
3.	Saetang, Duangduen	Lecture	M.Sc. (Behavioral Science), Srinakharinwiro
D	epartment of Political Science		
1.	Boonwises, Supot	Asst. Prof.	M.P.A. (Political Science), National Institute of
			Development Administration
2.	Skunrat, Saroot	Assoc Prof	M.A. (International Relation and Diplomacy),
			Thammasat Univ.
3.	Yossomsakdi, Samrit	Lecturer	Ph.D. (Political Science), Northern Illinois University
4.	Praditsil, Chaiyon	Lecturer	Ph.D. (Political Science), Chulalongkorm Univ.

Department of Sociology

1.	Haphon, Porntip	Lecturer	M.S. (Community Development), Thammasart Univ.
2.	Kaopradith, Supattra	Lecturer	M.S.W. (Medical Social Work), Thammasart Univ.
3.	Panrob, Boonderm	Assoc.Prof.	M.A. (Sociology), Chulalongkorn Univ.
4.	Sangsuriyong,Rewat	Lecturer	M.A. (Sociology), Chulalongkorn Univ.
5.	Suwanlaong, Sunate	Lecturer	M.A. (Sociology), Chulalongkorn Univ.

Department of Thai Language

 Kukeati, Chanikant 	Lecturer	M.A. (Thai), Chulalongkorn Univ.
2. Kunnajukr, Suntaree	Lecturer	M.Ed. (Thai), Srinakharinwirot Univ.
3. Indraruna, Subhrangsu	Lecturer	Ph.D. (Linguistics), Univ. of Calcutta
4. Pengpongsa, Yomdoey	Asst. Prof.	M.A. (Pali- Sanskrit), Chulalongkorn Univ.
5. Phatthanasiri, Watcharaporn	Lecturer	M.A. (Thai), Silpakorn Univ.
6. Prasong-ngern, Ekkapong	Lecturer	M.A. (Linguistics), Thammasart Univ.
7. Saengchan, Yawalak	Lecturer	M.Ed. (Thai), Srinakharinwirot Univ.
8. Sangkapradit, Kantanat	Lecturer	M.A. (Thai), Silpakorn Univ.
9. Sarapadnuke, Chittapa	Lecturer	Ph.D. (Sanskrit), Banaras Hindu Univ.
10. Tardleck, Sasithorn	Lecturer	M.A. (Linguistics), Thammasart Univ.
11. Thantawanit, Tassanee	Assoc. Prof.	M.Ed. (Thai Language and Literature),
		Srinakharinwirot Univ.
12. Tippasri, Boonruam	Asst. Prof.	M.Ed. (Educational Administration), M.S. University
		of Baroda
13. Udommanisuwat, Piradee	Lecturer	M.A. (Linguistics), Chulalongkom Univ.
14. Mongkol, Chaluay	Lecturer	M.Ed. (Oriental Epigraphy), Silpakorn Univ.
15. Wongthat, Siriwan	Lecturer	M.Ed. (Thai), Silpakorn Univ.

Department of Western Languages

1. Ajanapongsa, Thongchai	Lecturer	M.A. (TEPL), Ball State Univ.
2. Chaisuriya, Arnon .	Lecturer	B.A. (English), Rajabhat Institute, Buriram
3. Jatejummlone, Somboon	Lecturer	M.A. (Teaching), Kasetsart Univ.
4. Dhanesschaiyakupta, Ubon	Lecturer	M.A. (Teaching), Kasetsart Univ.

5. Pummawan, Daranee	Asst. Prof.	M.Ed. (English and Literature), Srinakharinwirot Univ.
6. Rattanawanitpun, Suchada	Lecturer	Ph.D. (education-Curriculum and Instruction),
•		Southern Illinois Univ. at Carbondale
7. Sangpanasthada, Thinan	Lecturer	B.Ed. (Teaching English), Rajabhat Institute,
		Chachernigsao
8. Teawrattanakul, Thanu	Lecturer	M.Ed. (English), Srinakharinwirot Univ.
9. Tanskul, Korblarp	Lecturer	M.Ed. (Research on EFL Reading),La Trobe Univ.
10. Thuthaworn, Thawanit	Lecturer	M.Ed. (Teaching English as a Foreign Language),
		Chulalongkorn Univ.
11. Changprachak, Watcharapong	Lecturer	M.A. (Language and Culture of Communication and
		Development, Translation)
12. Sanguanboon, Panida	Lecturer	M.A.T. (Teaching English), Jackson State Univ.
13. You-Udomsuk, Orisa	Lecturer	M.A. (Teaching), Kasetsart Univ.
14. Harnmontree, Areeluck	Lecturer	M.A. (Linguistics), Mahidol Univ.
15. Jaimee-Aree, Parkpoom	Lecturer	M.A. (French), Chulalongkorn Univ.
16. Kosolritthichai, Wiroj	Lecturer	B.A. (French), Thammasart Univ.
17. Krisanalom, Kessara	Lecturer	M.A. (Applied Linguistics), Mahidol Univ.
18. Nitsaisook, Malee	Asst. Prof.	Ph.D. (English), Southern Illinois University at
	-	Carbondale
19. Saelao, Supatra	Lecturer	M.A. in Teching, Kasetsart Univ.

Project for the Establishment of Department of Communication Science

i.	Punyapairoje, Chompunuch	Lecturer	Ph.D. (Communications), Univ. of Tennessee,
			Knoxville
2.	Buranadechachai, Sukanya	Asst. Prof.	M.A. (Mass Communication), Thammasart Univ.
3.	Chanrungmaneekul, Unaloam	Lecturer	M.A. (Mass Communication), Univ. of Leicester, UK.
4.	Chinodom, Suthida	Lecturer	M.A. (Mass Communication), Thammasart Univ.
5.	Sookplam, Chitapha	Lecturer	M.A. (Development Communication), Chulalongkom
			Univ.
6.	Vongsumitr, Ratchanee	Lecturer	M.A. (Mass Communication), Thammasart Univ.

Faculty of Marine Technology

1.	Sonchaeng, Pichai	Lecturer	D.Sc. (Biological Environment), Michigan University
2.	Yuvanatemiya, Vasin	Lecturer	M.Sc. (Aquatic Science), Burapha Univ.
3.	Nuangsaeng, Bunlung	Lecturer	M.Sc. (Fisheries Science), Kasetsart University
4.	Chaiyanate, Nittaya	Lecturer	Ph.D. (Marine Environmental), The United School of
			Agricultural Science, Ehime University
5.	Kitimasak, Napaporn	Lecturer	M.Sc. (Marine Science), Chulalongkorn Univ.
6.	Nilkerd, Bancha	Lecturer	M.Sc. (Aquatic Science), Burapha University

Faculty of Nursing

Department of Basic Science in Nursing

1.	Subgranon, Ratcharneeporn	Asst. Prof.	Ph.D. (Nursing), University of Utah
2.	Paokunha, Raweewan	Lecturer	M.Ed. (Nursing Administration), Chulalongkom Unív.
3.	Sungvorawongphana, Areerat	Asst. Prof.	M.Ed. (Nursing Administration), Chulalongkom Univ.
4.	Lakleam, Orphin	Lecturer	M.S. (Nursing), Mahidol Univ.
5.	Kungchai, Waree	Asst. Prof.	D.N.Sc., Mahidol Univ.
6.	Piphatvanitcha, Naiyana	Lecturer	M.N.S. (Medical & Surgical Nursing), Chiangmai
			Univ.
7.	Somanusorn, Sirilak	Lecturer	M.N.S. (Infection Control of Nursing), Chiangmai
			Univ.
8.	Puengwongsamran, Somjit	Lecturer	M.N.S. (Adult Nursing), Mahidol Univ.
9.	Sumngern, Chommanard	Lecturer	M.N.S. (Gerontological Nursing), Burapha Univ.

Department of Community Health Nursing

 Chantawong, Chantana 	Asst. Prof.	Dr.P.H. (Epidemiology), Mahidol Univ.
2. Asawachaisuwikrom, Wannaipa	Lecturer	Ph.D. (Public Health Nursing), The Univ. of Texas at
		Austin

3.	Sunsern, Rachanee	Lecturer	D.N.Sc. (Community Health Nursing), The Catholic
			Univ. of America
4.	Junprasert, Suwanna	Asst. Prof.	Dr.P.H. (Public Health Nursing), Mahidol Univ.
5.	Toonsiri, Siriporn	Asst. Prof.	M.S. (Public Health), Mahidol Univ.
6.	Srisuriyawet, Rungrat	Asst. Prof.	M.S. (Epidemiology), Mahidol Univ.
7.	Homsin, Pomnapa	Asst. Prof.	M.S. (Public Health), Mahidol Uniiv.
8.	Ratanagrethakul, Somsamai	Asst. Prof.	M.S. (Hum Reprod & Pop Planning), Mahidol Univ.
9.	Leelukkanaveera, Yuwadee	Lecturer	M.S. (Public Health), Mahidol Univ.
10	. Somehid, Sujidra	Lecturer	M.N.S. (Community Health Nursing), Mahidol Univ.
11	. Moonmuang, Nikom	Asst. Prof.	M.S. (Public Health), Mahidol Univ.
12	. Lawang, Wannarat	Lecturer	B.N.S. (Community Health Nursing), Mahidol Univ.

Department of Maternal and Child Health Nursing

1.	Theinpichet, Suntharawadee	Asst. Prof.	Ph.D. (Higher Education), Chulalongkorn Univ.
2.	Phaktoop, Maneerat	Asst. Prof.	Ph.D. (Demography), Mahidol Univ.
3.	Deoisres, Wannee	Assoc. Prof.	Ph.D. (Family Nursing), Case Western Reserve Univ.
4.	Wacharasin, Chintana	Asst. Prof.	Ph.D. (Nursing), The University of Washington
5.	Chuahorm, Usa	Asst. Prof.	M.S. (Nursing), Mahidol Univ.
6.	Chaimongkol, Nujjaree	Asst. Prof.	M.Sc. (Public Health), Mahidol Univ.
7.	Yuenyung, Siriwan	Asst. Prof.	M.S. (Nursing), Mahidol Univ.
8.	Siriarunrat, Supit	Lecturer	M.S. (Hum. Reprod. & Pop. Planning), Mahidol Univ.
9.	Sawatphanit, Wilaiphan	Asst. Prof.	M.N.S. (Family Nursing), Khon Kaen Univ.
10.	Pongjaturawit, Yunee	Asst. Prof.	$M. Ed. \ (Nursing \ Administration), \ Chulalongkorn \ Univ.$
11.	Suppasri, Piriya	Asst. Prof.	M.S. (Public Health), Mahidol Univ.
12.	Suppaseemanont, Wantana	Lecturer	M.N.S. (Family Nursing), Khon Kaen Univ.
13.	Teerarungsikul, Narumon	Asst. Prof.	M.Sc. (Nursing), Mahidol Univ.
14.	Sanonreangsuk, Siriyupa	Lecturer	M.S. (Public Health), Mahidol Univ.
15.	Danchai, Kamonthip	Lecturer	M.N.S. (Pediatrice Nursing), Mahidol Univ.
16.	Suwansujarid, Tatirat	Lecturer	M.N.S. (Nursing Education), Chulalongkorn Univ.

Department of Medical and Surgical Nursing

1.	Wachirawat, Wariya	Asst. Prof.	D.N.Sc., Mahidol Univ.
2.	Chunlertskul, Kanoknuch	Asst. Prof.	D.N.Sc., Mahidol Univ.
3.	Pathumarak, Narumon	Asst. Prof.	M.Ed. (Nursing Administration), Chulalongkorn Univ.
4.	Worapattrakul, Tassanee	Lecturer	M.S. (Nursing), Mahidol Univ.
5.	Phiwton, Walapa	Lecturer	M.S. (Nursing), Mahidol Univ.
6.	Kunsongkeit, Wanlapa	Asst. Prof.	M.N.S. (Medical & Surgical Nurse), Chiangmai Univ.
7.	Deenan, Aporn	Asst. Prof.	M.S. (Nursing), Mahidol Univ.
8.	Keeratiyutawong, Pawana	Asst. Prof.	M.N.S. (Adult Nursing), Mahidol Univ.
9.	Masingboon, Khemaradee	Asst. Prof.	M.Ed. (Nursing Administration), Chulalongkorn Univ.
10	. Samartkit, Niphawan	Asst. Prof.	M.S. (Nursing), Mahidol Univ.
11	. Vatanasin, Siriwan	Asst. Prof.	M.S. (Nursing), Mahidol Univ.
12	. Duang Paeng, Supaporn	Lecturer	D.N.Sc., Mahidol Univ.
13	. Potaros, Darussanee	Lecturer	M.N.S. (Adult Nursing), Mahidol Univ.
14	. Mahakayanun, Suwannee	Lecturer	M.N.S. (Adult Nursing), Mahidol Univ.
15	. Tanatwanit, Yupin	Lecturer	M.N.S. (Medical & Surgical Nursing), Chiangmai
			Univ.
16	. Jullamate, Pornchai	Asst. Prof.	M.N.S. (Medical & Surgical Nursing), Chiangmai
			Univ.
17	. Sumonwong, Wachiraporn	Lecturer	M.N.S. (Medical & Surgical Nursing), Chiangmai
			Univ.
18	. Wisaso, Wipa	Lecturer	M.N.S. (Adult Nursing), Burapha Univ.

Department of Mental Health and Psychiatric Nursing

 Jariyapayuklert, Kuntalee 	Lecturer	M.Ed. (Educational Psychology and Guidance),
		Chulalongkorn Univ.
2. Nabkasom, Chanudda, CAP	Lecturer	M.Ed. (Psychology), Chulalongkorn Univ.
3. Puapan, Saichai	Asst. Prof.	Ph.D. (Nursing), Univ. of Colorado
4. Suntornvijitr, Sarawalee	Lecturer	M.N.S. (Nursing Education), Chulalongkorn Univ.
5. Thance, Sanguan	Lecturer	M.E. (Educational Psychology, Khon Kaen Univ.
6 Hengudomsub, Pompat	Lecturer	M.N., Wollongong Univ.

7.	Boonnotok, Rodjana	Lecturer	M.S. (Mental Health), Chulalongkorn Univ.
8.	Aeamlaor, Napaporn	Lecturer	M.N.S. (Mental Health and Psychiatric Nursing),
			Chaingmai Univ.
9.	Jaruphan, Pornsuwan	Lecturer	M.N.S. (NursingAdministration), Chulalongkorn Univ.

Department of Research, Evaluation and Nursing Administration

 Keitlertnapha, Pongsri 	Asst. Prof.	Ed.D. (Higher Education), Srinakharinwirot Univ.
2. Pongruengphant, Rana	Assoc. Prof.	Ph.D. (Educational Administration), Illinois State
		Univ.
3. Baramee, Julaluk	Asst. Prof.	M.S. (Physiology), Mahidol Univ.
4. Wangsukpisan, Apa	Lecturer	M.Ed. (Nursing Administration), Chulalongkorn Univ.
5. Khemyu, Areerut	Asst. Prof.	D.S.N., The University of Alabama at Birmingham
6. Svastdi-Xuto, Paranee	Lecturer	M.Ed. (Nursing Administration), Chulalongkorn Univ.
7. Sakulkoo, Suwadee	Lecturer	M.S. (Epidemiology), Mahidol Univ.
8. Lausuwannagoon, Wichitporn	Lecturer	Ed.D. (Research and Curriculum Development),
		Srinakharinwirot Univ.
		Billiakilatiliwilot Oliiv.
9. Louimsai, Suphun	Lecturer	M.Ed. (Educational Technology), Burapha Univ.
 Louimsai, Suphun Vacharakiat, Marayart, POL.CAF 		
•		M.Ed. (Educational Technology), Burapha Univ.
•		M.Ed. (Educational Technology), Burapha Univ. M.N.S. (Nursing Administration), Chulalongkorn
10. Vacharakiat, Marayart, POL.CAF	PT. Lecturer	M.Ed. (Educational Technology), Burapha Univ. M.N.S. (Nursing Administration), Chulalongkorn Univ.
10. Vacharakiat, Marayart, POL.CAF11. Rattanajarna, Sahattaya	PT. Lecturer	M.Ed. (Educational Technology), Burapha Univ.M.N.S. (Nursing Administration), ChulalongkornUniv.M.Ed. (Nursing Administration), Chulalongkorn Univ.
10. Vacharakiat, Marayart, POL.CAF11. Rattanajarna, Sahattaya	PT. Lecturer	 M.Ed. (Educational Technology), Burapha Univ. M.N.S. (Nursing Administration), Chulalongkorn Univ. M.Ed. (Nursing Administration), Chulalongkorn Univ. M.N.S. (Nursing Administration), Chulalongkorn

Faculty of Public Health

Department of Environmental Health

1.	Intarakul, Chaweewan	Lecturer	M.Sc. (Environmental Technology), Mahidol Univ.
2.	Nilsumranchit, Wandee	Lecturer	M.Sc. (Environmental Technology), Mahidol Univ.
3.	Onrassami, Ratiwun	Asst. Prof.	M.Sc. (Environmental Technology), Mahidol Univ.
4.	Prachuabmorn, Aimorn	Lecturer	M.Sc. (Environmental Science), Kasetsart Univ.
5.	Bawornkiatikul, Danai	Lecturer	M.Sc. (Environmental Science), Kasetsart Univ.
6.	Asa, Paradee	Lecturer	M.S. (Environmental Science), Chulalongkorn Univ.
7.	Detsuttikorn, Prayook	Lecturer	M.Eng. (Environmental Engineering), Makanakorn
			Univ.

Department of Health Education

 Methaphat, Chingchai 	Lecturer	M.P.H. (Rural Health), Univ. of the Philippines
		M.Sc. (Medical Anthropology), Univ. College London
2. Suwannasri, Pachanee	Lecturer	M.Ed. (Health Education), Srinakharinwirot Univ.
3. Rodjarkpai, Yuvadee	Lecturer	M.Sc. (Health Education), Mahidol Univ.
4. Homchampa, Pissamai	Lecturer	Ph.D. (Medical and Nutritional Anthropology),
•		Univ. of Oregon
5. Chareungate, Pichet	Lecturer	M.Sc. (Public Health), Mahidol Univ.
6. Mahaveerawat, Udomsak	Lecturer	M.P.H. (Public Health), Univ. of the Philippines

Department of Industrial Hygiene and Safety

1. Pu	sapukdepob, Jitrapun	Asst. Prof.	M.Sc. (Industrial Hygiene and Safety), Mahidol Univ.
2. Ta	dkatuk, Anamai	Asst. Prof.	M.P.H. (Environmental Health), Khon Kaen Univ.
3. Yi	ngratanasuk, Tanongsak	Lecturer	M.P.H. (Rural Health), Univ. of the Philippines
			M.S. (Industrial Hygiene and Safety), Uni. of
			Washington
4. M	eepradit, Parvena	Lecturer	M.Sc. (Industrial Hygiene and Safety), Mahidol Univ.
5. Bu	uthbumrung, Nantaporn	Lecturer	M.Sc. (Toxicology), Mahidol Univ.
6. Lo	ormpongs, Srirat	Lecturer	M.Sc. (Industrial Hygiene and Safety), Mahidol Univ.

Department of Public Health Foundation

1.	Hokyindee, Usa	Lecturer	M.A.(Population and Social Research), Mahidol Univ.
2.	Nunthawarasilp, Prapa	Lecturer	M.Sc.(Parasitology), Khon Kaen Univ.
3.	Thiramanus, Thirapong	Asst. Prof.	Dr.P.H.(Epidemiology), Mahidol Univ.
4.	Rudtanasudjatum, Koolarb.	Assoc. Prof.	Dr.P.H.(Public Health Administration), Mahidol Univ.
5.	Tanvatanakul, Vasuton	Asst. Prof.	M.P.H.M. (Primary Health Care Management),
			Mahidol Univ.
6.	Serekajornkicharoen, Pisamai	Lecturer	M.S. (Public Health), Mahidol Univ.
7.	Chanchay, Siriporn	Lecturer	M.P.H. (Public Health), Mahidol Univ.
8.	Thongdee, Orapin	Lecturer	M.P.H. (Public Health), Chiang Mai Univ.
9.	Sangjun. Sunisa	Lecturer	M.S. (Environmental Science) Kasetsart Univ.

Faculty of Science

Department of Aquatic Science

1. Chalermwat, Kashane	Assoc. Prof.	Ph.D. (Ecology), Rutgers -The State University of
		New Jersey
2. Cheevaporn, Voravit	Assoc. Prof.	Ph.D. (Marine Pollution Chemistry), University of the
		Philippines at Diliman
3. Sawangwong, Pichan	Asst. Prof.	Ph.D. (Marine, Estuarine and Environmental Studies),
		University of Maryland
4. Srisopaporn, Praparsiri	Asst. Prof.	M.Sc. (Fisheries), Kasetsart Univ.
5. Sirirattanachai, Sittipudh	Asst. Prof.	Ph.D. (Marine Science), Chulalongkorn Univ.
6. Jaritkhuan, Somtawin	Asst. Prof.	Ph.D. (Biological Science), University of Portsmouth
7. Vuthiphandchai, Verapong	Asst. Prof.	Ph.D. (Aquaculture), University of Maryland
8. Manthachitra, Vipoosit	Asst. Prof.	Ph.D. (Marine Biology), James Cook Univ.
9. Buranapratheprat, Anukul	Lecturer	M.Sc. (Marine Science), Chulalongkorn Univ.
10. Pratoomchat, Boonyarath	Asst. Prof.	Ph.D. (Aquatic Science), University of Porto
11. Nuangsaeng, Bunlung	Lecturer	M.Sc. (Fishery Science), Kasetsart Univ.
12. Diparos, Marut	Lecturer	M.Sc. (Resource Management), Kasetsart Univ.
13. Tangkrockolan, Nongnud	Asst.Prof.	Ph.D. (Zoology), University of Canterbury

14. Jintasaeranee, Pachoenchoke	Lecturer	M.Sc. (Marine Science), Chulalongkorn Univ.
15. Sonchaeng, Pichai	Lecturer	Ph.D. (Biology), Mahidol Univ.
16. Panutrakul, Suwanna	Lecturer	D.Sc. (Geochemistry), Free University of Brussels
17. Boonphakdee, Thanomsak	Lecturer	M.Sc. (Environmental Science), Chalongkorn Univ.
18. Gunbua, Vitchaya	Lecturer	M.Sc. (Marine Science), Chulalongkorn Univ.
19. Senanan, Wansuk	Lecturer	M.S. (Fisheries), University of Minnesota

Department of Biology

1. Thongkukiatkul, Amporn	Asst. Prof.	Ph.D. (Biology), Mahidol Univ.
2. Frederick William H. Beamish	Prof.	Ph.D. (Environmental Physiology), Univ. of Toronto
3. Poolsanguan, Boonserm	Assoc. Prof.	Ph.D. (Invertebrate Physiology), The Univ. of Hull
4. Prayoonrat, Pragrom	Assoc. Prof.	M.Sc. (Agriculture), Kasetsart Univ.
5. Matchacheep, Surin	Assoc. Prof.	M.Sc. (Zoology), Chulalongkorn Univ.
6. Tuntiwaranurak, Chanawat	Asst. Prof.	M.Sc. (Biology), Chiangmai Univ.
7. Satayavanich, Manoo	Asst. Prof.	M.Sc. (Agriculture), Kasetsart Univ.
8. Tanvatanakul, Nantana	Asst. Prof.	M.Ed. (Biology), College of Education, Prasarnmitr
9. Pedyod, Punnee	Asst. Prof.	M.Ed. (Biology), Srinakharinwirot Univ.
10. Matchacheep, Somsook	Asst. Prof.	M.Sc. (Botany), Kasetsart Univ.
11. Indananda, Chantra	Lecturer	M.Sc.(Genetics), Kasetsart Univ.
12. Boonphakdee, Chuta	Asst. Prof.	M.Sc. (Zoology), Chulalongkorn Univ.
13. Suwannapong, Guntima	Lecturer	Ph.D. (Biological Science), Chulalongkom Univ.
14. Loutchanwoot, Panida	Lecturer	M.Sc. (Zoology), Chulalongkorn Univ.
15. Tanvatanakul, Phajong	Lecturer	M.Ed. (Biology), Srinakharinwirot Univ.
16. Kongchareonsunthorn, Wisatre	Lecturer	Ph.D. (Molecular Biology), University of North Texas
17. Chamsart, Saedthawat	Lecturer	Ph.D. (Chemical Engineering), The Univ.of Birmingham
18. Suksringam, Sunee	Lecturer	M.Ed. (Biology), Srinakharinwirot Univ.
19. Junesirikul, Duangta	Lecturer	M.Sc. (Environmental Biology), Mahidol Univ.
20. Arunnopparat, Jintana	Lecturer	M.Sc. (Genetics), Kasetsart Univ.
21. Phraprasert, Phakpoom	Lecturer	M.Sc.(Botany), Kasetsart Univ.
22. Dumrongrojwattana, Pongrat	Lecturer	M.Sc. (Zoology), Chulalongkorn Univ.
23. Banharn, Siripan	Lecturer	M.Sc. (Botany), Chulalongkorn Univ.
		•

Department of Biochemistry

1.	Boonthanom, Witthaya	Lecturer	M.Sc. (Biochemistry), Chelsea College, Univ. of London
2.	Gordon B. Bailey	Prof.	Ph.D. (Biochemistry), University of Florida
3.	Santawanpas, Smartachai	Asst. Prof.	Ph.D. (Biological Sciences), Rhode Island Univ.
4.	Srisook, Klaokwan	Lecturer	M.Sc. (Biochemistry), Mahidol Univ
5.	Sootanan, Pitak	Lecturer	M.Sc. (Biochemistry), Chulalongkorn Univ.
6.	Chooluck, Sunthorn	Lecturer	M.Sc. (Molecular Genetics and Genetics.Engineering)
			Mahidol Univ.
7.	Thitirukpanich, Udomluck	Lecturer	M.Sc. (Biochemistry), Chulalongkorn Univ.
8.	Jittima, Charoenpanich	Lecturer	M.Sc. (Biochemistry), Chulalongkorn Univ.
9.	Mankhetkorn, Samlee	Lecturer	Ph.D. (Docteur Es Sciences des Universitaires),
			University of 'de Paris

Department of Biotechnology

1.	Kruawal, Komprabha	Lecturer	Ph.D. (Biological Sciences), University of Southern
			Mississippi
2.	Rutanaphadit, Krongchan	Lecturer	M.Sc. (Biotechnology), Prince of Songkla Univ.
3.	Chaiyanate, Nittaya	Lecturer	Ph.D. (Tropical and Subtropical Agricultural
			Sciences), Ehime Univ.
4.	Winotaphan, Phochit	Lecturer	M.Sc. (Biotechnology), Chulalongkorn Univ.

Department of Chemistry

1. Techasauvapak, Prapapan	Lecturer	Ph.D. (Organic Catalysis), Seton Hall Univ.
2. Pedyod, Thumanoon	Assoc. Prof.	M.Ed. (Chemistry), College of Education
3. Therdteppitak, Arunee	Asst. Prof.	Ph.D. (Electrochemistry), Seton Hall Univ.
4. Naengchomnong, Waree	Asst. Prof.	Ph.D. (Organic Chemistry), Mahidol Univ.
5. Tunheng, Apinya	Lecturer	M.Sc. (Chemistry), Chulalongkorn Univ.
6. Pongsai, Bussakorn	Lecturer	Ph.D. (Physical Chemistry), University of Bristal
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 Sangnark, Arpathsra Hongvaleerat, Chularat Limroongreungrat, Kullaya Krasaechol, Nisanarth 	Lecturer Lecturer Lecturer	M.Sc. (Food Technology), Chulalongkorn Univ. M.Sc. (Food Science & Technology) Univ. of Tennessee Ph.D. (Food Science), The University of Georgia M.Sc. (Food Technology), Chulalongkorn Univ.
 Sangnark, Arpathsra Hongvaleerat, Chularat Limroongreungrat, Kullaya Krasaechol, Nisanarth 	Lecturer Lecturer Lecturer	M.Sc. (Food Technology), Chulalongkorn Univ. M.Sc. (Food Science & Technology) Univ. of Tennessee Ph.D. (Food Science), The University of Georgia M.Sc. (Food Technology), Chulalongkorn Univ. Ph.D. (Food Science & Technology), Mississippi State
 Sangnark, Arpathsra Hongvaleerat, Chularat Limroongreungrat, Kullaya Krasaechol, Nisanarth Suriyaphan, Orasa 	Lecturer Lecturer Lecturer Lecturer	M.Sc. (Food Technology), Chulalongkorn Univ. M.Sc. (Food Science & Technology) Univ. of Tennessee Ph.D. (Food Science), The University of Georgia M.Sc. (Food Technology), Chulalongkorn Univ. Ph.D. (Food Science & Technology), Mississippi State Univ.
 Sangnark, Arpathsra Hongvaleerat, Chularat Limroongreungrat, Kullaya Krasaechol, Nisanarth Suriyaphan, Orasa Thungkao, Prasong 	Lecturer Lecturer Lecturer Lecturer Lecturer	M.Sc. (Food Technology), Chulalongkorn Univ. M.Sc. (Food Science & Technology) Univ. of Tennessee Ph.D. (Food Science), The University of Georgia M.Sc. (Food Technology), Chulalongkorn Univ. Ph.D. (Food Science & Technology), Mississippi State Univ. M.Sc. (Food Science), Kasetsart Univ.
 Sangnark, Arpathsra Hongvaleerat, Chularat Limroongreungrat, Kullaya Krasaechol, Nisanarth Suriyaphan, Orasa Thungkao, Prasong Sukhapun, Sirima 	Lecturer Lecturer Lecturer Lecturer Lecturer	M.Sc. (Food Technology), Chulalongkorn Univ. M.Sc. (Food Science & Technology) Univ. of Tennessee Ph.D. (Food Science), The University of Georgia M.Sc. (Food Technology), Chulalongkorn Univ. Ph.D. (Food Science & Technology), Mississippi State Univ. M.Sc. (Food Science), Kasetsart Univ. M.Sc. (Food Technology), Chulalongkorn Univ.

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14. Thathaisong, Umaporn

15. Wichitsiri, Punyisa

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9. Issro, Chai	sak	Lecturer	M.Sc. (Chemical Physics), Mahidol Univ.
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Faculty of Science and Liberal Arts

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Graduate School of Commerce

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3.	Juisiri, Klangjai	Lecturer	Ph.D. (Economics), University of Kansas
4.	Toommanon, Worasak	Lecturer	Ph.D. (Accounting), Oklahoma State University
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