

PROGRAM STRUCTURE

LEVEL	: Graduate
SCHOOL	: School of Health Science
PROGRAM	: 645181102 : Master of Science Program in Health and Biomedical Analytics Plan A2
PROGRAM YEAR	: 2564

1 MINIMUM CREDIT : -

Course Code	COURSE	CREDIT
<u>1811701</u>	Foundation for Health and Biomedical Analytics	0 (2-0-4)

2 MINIMUM CREDIT : 18

2.1 MINIMUM CREDIT : 4

Course Code	COURSE	CREDIT
<u>1811702</u>	Research Methodology for Health Sciences	2 (2-0-4)
<u>1811703</u>	Biostatistics for Health Sciences	2 (2-0-4)

2.2 MINIMUM CREDIT : 14

Course Code	COURSE	CREDIT
<u>1811704</u>	Database Management System for Health Informatics	2 (2-0-4)
<u>1811705</u>	Bioinformatics	2 (2-0-4)
<u>1811706</u>	Current Technologies in Health and Biomedical Sciences	2 (2-0-4)
<u>1811707</u>	Health Business Management	2 (2-0-4)
<u>1811708</u>	Health and Biomedical Analytics	3 (3-0-6)
<u>1811709</u>	Health Innovation and Artificial Intelligence	2 (1-2-3)
<u>1811710</u>	Seminar for Health and Biomedical Analytics	1 (0-3-1)

3 MINIMUM CREDIT : 6

3.1 MINIMUM CREDIT : -

Course Code	COURSE	CREDIT
<u>1811711</u>	Advance Techniques in Biomedical Sciences	3 (2-2-5)
<u>1811712</u>	Health Biotechnology	3 (2-2-5)
<u>1811713</u>	Medical Biochemistry	3 (2-2-5)

1811714	Microbiological Assay	3 (2-2-5)
1811715	Molecular Analytics of Infectious and Emerging Diseases	2 (2-0-4)
1811716	Genetic Engineering for Novel Vaccine	2 (2-0-4)
1811717	Basic and Molecular Epidemiology	2 (2-0-4)
1811718	Management, Service and Quality Control and Assessment in Biomedical Laboratory	2 (2-0-4)

3.2 MINIMUM CREDIT : -

Course Code	COURSE	CREDIT
1811719	Mathematical and Economic Modelling Applications for Biomedical Sciences and Public Health	2 (2-0-4)
1811720	Geographic Information Systems for Health Science	2 (2-0-4)
1811721	Technology Design for Health and Safety in Industrial	2 (2-0-4)

3.3 MINIMUM CREDIT : -

Course Code	COURSE	CREDIT
1811722	Programming for Data Analytics	2 (2-0-4)
1811723	Data Mining for Health Information Analytics	2 (2-0-4)
1811724	Biomedical Informatics	2 (2-0-4)
1811725	Health Data Visualization	2 (2-0-4)
1811726	Health Informatics Application Development	2 (2-0-4)

4 MINIMUM CREDIT : 12

Course Code	COURSE	CREDIT
1811781	Thesis	12 (0-36-12)

REMARKS

P : Prerequisite Course

E1 : One-way Equivalent

E2 : Two-way Equivalent

รายวิชา 1006393 Principles of Translation 3(3-0-6) ในกรณีที่นักศึกษาไม่สามารถใช้ภาษาไทยได้ ให้เรียนรายวิชา 1006382 Directed Studies แทน

รายวิชา 1006397 Comparative Study of English and Thai 3(3-0-6) ในกรณีที่นักศึกษาไม่สามารถใช้ภาษาไทยได้ ให้เรียนรายวิชา 1006381 Selected Reading แทน