

Bachelor of Science Program in Integrated Design in Emerging Architecture (IDEA)

Curriculum Structure for student code 62

A. Curriculum Structure

(1) General Education	Total	30 Credits
- Language and Communication		12 Credits
- Humanities and Social Sciences		9 Credits
- Science and Mathematics		6 Credits
- Learning through Activities		3 Credits
(2) Field of Specialization	not least than	105 Credits
- Core Course		36 Credits
- Major	not least than	69 Credits
- Required Courses		54 Credits
- Major Elective	not least than	15 Credits
- Minor		None
(3) Free Elective	not least than	6 Credits

B. Course Structure

(1) General Education	Total	30
Credits		
1.1 Language and Communication		12
Credits		
001101 Fundamental English 1		3(3-0-6)
001102 Fundamental English 2		3(3-0-6)
001201 Critical Reading and Effective Writing		3(3-0-6)
001202 English in Professional Contexts		3(3-0-6)
1.2 Humanities and Social Sciences		9 Credits
Can choose three courses from the followings		
011269 Philosophy of Sufficiency Economy		3(3-0-6)
011251 Logic		(6-0-3)3
154104 Environmental Conservation		3(3-0-6)
154106 Disaster in Modern World		3(3-0-6)
159100 Modern World in Everyday Life		3(3-0-6)
176100 Law and Modern World		3(3-0-6)
103271 Music Appreciation		3(3-0-6)
109100 Man and Art		3(3-0-6)

1.3 Science and Mathematics**6 Credits****Can choose two courses from the followings**

201110	Integrated Mathematical Sciences	3(2-2-5)
201114	Environmental Science in Today's World	3(3-0-6)
201117	Mathematics and Science in Civilization	3(3-0-6)
207110	Physics : The Science That Changed the World	3(3-0-6)

1.4 Learning through Activities**3 Credits**

801105	Learning Through Activities 1	2(0-6-2)
801106	Learning Through Activities 2	1(0-3-1)

(2) Field of Specialization**not least than****105****Credits****2.1 Core Course****36 Credits**

804111	Fundamental Design in Architecture Studio 1	5(1-8-6)
804112	Fundamental Design in Architecture Studio 2	5(1-8-6)
804211	Creative Design in Architecture Studio 1	5(1-8-6)
804212	Creative Design in Architecture Studio 2	5(1-8-6)
804311	Creative Design in Architecture Studio 3	5(1-8-6)
804312	Creative Design in Architecture Studio 4	5(1-8-6)
804412	Creative Design in Architecture Studio 5	6(1-10-7)

2.2 Major**not least than****69 Credits**

For all major courses, a minimum of 36 credits must be taken from courses 300 level or higher, within these credits at least 18 credits must be courses of 400 level or higher.

2.2.1 Required Courses**54****Credits**

804102	Human Behavior and Built Environment	3(3-0-6)
804121	History of Eastern Creative Arts and Architecture	3(3-0-6)
804201	Design Communication and Presentation	3(2-2-5)
804202	Theory in Digital Communication and Creative Computer Aided Design	3(2-2-5)
804221	Perception of Architectural Space	3(3-0-6)
804222	History of Western Creative Arts and Architecture	3(3-0-6)
804231	Materials and Construction 1	3(3-0-6)
804232	Materials and Construction 2	3(1-4-4)
804233	Basic Building and Energy Systems	3(1-4-4)
804234	Architectural Structure 1	3(1-4-4)
804321	Theory and Philosophy of Postmodern Arts and Architecture	3(3-0-6)
804322	Theory and Philosophy of Contemporary Thai Arts	3(3-0-6)

Year 1

First semester	Credit
801105 Learning Through Activities 1	2(0-6-2)
801106 Learning Through Activities 2	1(0-3-1)
804121 History of Eastern Creative Arts and Architecture	3(3-0-6)
804111 Fundamental Design in Architecture Studio 1	5(1-8-6)
001101 Fundamental English 1	3(3-0-6)
Science and Mathematics	3
Humanities and Social Sciences	3
Total	20

Second semester	Credit
804112 Fundamental Design in Architecture Studio 2	5(1-8-6)
804102 Human Behavior and Built Environment	3(3-0-6)
001102 Fundamental English 2	3(3-0-6)
Science and Mathematics	3
Humanities and Social Sciences	3
Humanities and Social Sciences	3
Total	20

Year 2

First semester	Credit
804201 Design Communication and Presentation	3(2-2-5)
804211 Creative Design in Architecture Studio 1	5(1-8-6)
804221 Perception of Architectural Space	3(3-0-6)
804222 History of Western Creative Arts and Architecture	3(3-0-6)
804231 Materials and Construction 1	3(3-0-6)
001201 Critical Reading and Effective Writing	3(3-0-6)
Total	20

Second semester	Credit
001202 English in Professional Contexts	3(3-0-6)
804202 Theory in Digital Communication and Creative Computer Aided Design	3(2-2-5)
804212 Creative Design in Architecture Studio 2	5(1-8-6)
804232 Materials and Construction 2	3(1-4-4)
804233 Basic Building and Energy Systems	3(1-4-4)
804234 Architectural Structure 1	3(1-4-4)
Total	20

Year 3

First semester	Credit
804311 Creative Design in Architecture Studio 3	5(1-8-6)
804321 Theory and Philosophy of Postmodern Arts and Architecture	3(3-0-6)
804331 Applied Building and Energy System	3(1-4-4)
804332 Architectural Structure 2	3(2-2-5)
804371 Sustainable Urban Architecture and Communities	3(3-0-6)
Free Elective	3
Total	20

Second semester	Credit
804312 Creative Design in Architecture Studio 4	5(1-8-6)
804322 Theory and Philosophy of Contemporary Thai Arts and Architecture	3(3-0-6)
804333 Advanced Architectural Structure	3(1-4-4)
804372 Integrated Fields and Systems in Architecture and Urbanism	3(3-0-6)
Free Elective	3
Total	17

Year 4

Option 1

First semester	Credit
804411 Selected Topics in Architectural Design Studio	3(0-6-3)
804481 Architecture Internship	3(0-6-3)
Total	6

Option 2

First semester	Credit
804482 Cooperative Education	6(0-30-0)
Total	6

Second semester	Credit
804412 Creative Design in Architecture Studio 5	6(1-10-7)
804483 Principle in Architecture Professional Practice	(6-0-3)3
Major Elective	3
Major Elective	3
Major Elective	3
Total	18