

Bachelor of Science Program in Integrated Design in Emerging Architecture (IDEA)
Curriculum Structure for student code 60 and 61

A. Curriculum Structure

(1) General Education	Total	30 Credits
- Language and Communication		6 Credits
- Humanities and Social Sciences		12 Credits
- Science and Mathematics		9 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		6 Credits
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		12 Credits
Can choose four 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		9 Credits
Can choose three 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
and Architecture 3(3-0-6)

804331 Applied Building and Energy System 3(1-4-4)

804332 Architectural Structure 2 3(2-2-5)

804333 Advanced Architectural Structure 3(1-4-4)

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)
	Science and Mathematics	3
	Humanities and Social Sciences	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)
001202	English in Professional Contexts	3
	Science and Mathematics	3
	Science and Mathematics	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)
	Humanities and Social Sciences	3
Total		20

Second semester		Credit
001201	Critical Reading and Effective Writing	3
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