



**CURRICULUM STRUCTURE  
MATHEMATICS EDUCATION STUDY PROGRAM**

**1) GENERAL COURSE**

NO.	CODE	NAME OF COURSES	CREDIT	SEMESTER								
				1	2	3	4	5	6	7	8	
1	KU100	Islamic Education	2	√								
2	KU101	Christian Protestant Education	2	√								
3	KU102	Catholic Christian Education	2	√								
4	KU103	Hindu Education	2	√								
5	KU104	Buddhist Education	2	√								
6	KU105	Civics Education	2	√								
7	KU106	Indonesian Language Education	2	√								
8	KU108	Sports and Physical Education	2		√							
9	KU109	Confucianism Education	2	√								
10	KU110	Pancasila Education	2		√							
11	KU119	Art Education	2		√							
12	KU300	Islamic Education Seminar	2					√				
13	KU301	Seminar on Christian Protestant Education	2					√				
14	KU302	Seminar on Catholic Christian Education	2					√				
15	KU303	Seminar on Hindu Education	2					√				
16	KU304	Seminar on Buddhist Education Seminar	2					√				
17	KU309	Seminar on Confucianism Education	2					√				
18	KU400	Student Community Service	2							√		
<b>CREDITS SUM</b>			<b>14</b>	<b>6</b>	<b>6*</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>



## 2) BASIC EDUCATION COURSES

NO.	CODE	NAME OF COURSES	CREDIT	SEMESTER							
				1	2	3	4	5	6	7	8
1	DK300	Foundations of Education	2		√						
2	DK301	Educational Psychology and Counseling	2	√							
3	DK303	Curriculum and Instruction	2				√				
4	DK304	Management of Education	2			√					
<b>CREDITS SUM</b>			<b>8</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## 3) FACULTY EXPERTISE COURSES

NO.	CODE	NAME OF COURSES	CREDIT	SEMESTER							
				1	2	3	4	5	6	7	8
1	MA100	Mathematics, Science, Technology, and Engineering	3	√							
2	MA200	Applied Mathematics, Science, Technology and Engineering	3		√						
<b>CREDITS SUM</b>			<b>6</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## 4) FIELD OF STUDY LEARNING EXPERTISE COURSES

NO.	CODE	NAME OF COURSES	CREDIT	SEMESTER							
				1	2	3	4	5	6	7	8
1	MT500	Mathematics Learning Strategies	3				√				
2	MT501	Mathematics Learning Evaluation	3					√			
3	MT539	Mathematics Lesson Plan	3						√		
4	MT540	ICT Literacy and Mathematics Learning Media	3			√					
<b>CREDITS SUM</b>			<b>12</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>

## 5) THE CORE OF STUDY PROGRAM COURSES

NO.	CODE	NAME OF COURSES	CREDIT	SEMESTER							
				1	2	3	4	5	6	7	8
1	MT300	Basic Mathematics	3	√							
2	MT301	Differential Calculus	3		√						



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3	MT302	Analytical Geometry	3		√						
4	MT303	English for Mathematics	2	√							
5	MT305	Number Theory	2	√							
6	MT306	Capita Selecta of Primary Education Mathematics	4				√				
7	MT307	Integral Calculus	3			√					
8	MT308	Basic Statistics	3		√						
9	MT309	Discrete Mathematics	3			√					
10	MT310	Capita Selecta of Secondary Education Mathematics	4					√			
11	MT311	Linear Algebra	4			√					
12	MT312	Computer Programming	3				√				
13	MT314	Data Processing	3							√	
14	MT315	Multi-variables Calculus	3				√				
15	MT316	Geometry	3			√					
16	MT317	Linear Programming	2			√					
17	MT318	Numerical Methods	3							√	
18	MT319	Entrepreneurship	2		√						
19	MT400	Group Theory	3				√				
20	MT401	Mathematics Education Seminar	2							√	
21	MT402	Ordinary Differential Equation	3					√			
22	MT403	Real Analysis	3					√			
23	MT404	Theoretical Descriptive Statistics	3					√			
24	MT413	History of Mathematics	2	√							
25	MT415	Mathematics Education Multimedia	3					√			
26	MT418	Complex variable functions	3							√	



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27	MT422	Study of Mathematics Education Problems	2				√				
28	MT425	The methodology of Mathematics Education Research	3						√		
29	MT598	Undergraduate Thesis	6								6
30	MT599	Final Defense	0								0
<b>CREDITS SUM</b>			<b>86</b>	<b>9</b>	<b>11</b>	<b>15</b>	<b>15</b>	<b>16</b>	<b>6</b>	<b>8</b>	<b>6</b>

**6) PREFERENCE EXPERTISE OF STUDY PROGRAM COURSES**

NO.	CODE	NAME OF COURSES	CREDIT	SEMESTER								
				1	2	3	4	5	6	7	8	
1	MT406	Vector Calculus	3							√		
2	MT407	Ring Theory	3							√		
3	MT409	Theoretical Inferential Statistics	3								√	
4	MT410	Theory of Functions of Real Variables	3								√	
5	MT412	Computer Mathematics Programming with Applications	3							√		
6	MT416	Combinatorics Mathematics	3								√	
7	MT417	Transformational Geometry	3							√		
8	MT419	Introduction to Topology	3								√	
9	MT421	Initial Value and Boundary Condition	3							√		
10	MT430	Qualitative Research Methods	3							√		
11	MT507	Decisions Theory	3								√	
12	MT508	Multivariate Statistical Methods	3								√	
<b>CREDITS SUM</b>			<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>9</b>	<b>0</b>



7) INTRODUCTION TO THE UNIT OF EDUCATION COURSES

NO.	CODE	NAME OF COURSES	CREDIT	SEMESTER							
				1	2	3	4	5	6	7	8
1	MT590	Introduction to the Unit of Education (An Internship)	4								4
<b>CREDITS SUM</b>			<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>TOTAL CREDITS SUM</b>			<b>145</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>17</b>	<b>17</b>	<b>10</b>