

MATHEMATICS: SECONDARY TEACHING BA PATHWAY

Total Units Required: 190 units

Required Course Listings

This breakdown shows a Mathematics: Secondary Teaching BA Pathway to be completed in 4 years & 2 quarters at La Sierra University. All courses with a star (*) indicate a prerequisite or multiple prerequisites for the class. Courses with a dagger (†) are only offered in years ending with an odd number (e.g. 2022-2023 school year) and courses with a double dagger (‡) are only offered in years ending with an even number (e.g. 2023-2034 school year). By following the suggested/required sequencing all necessary prerequisite courses will be fulfilled. Please consult the Bulletin, Records, or your Guided Pathways Advisor for more information about prerequisites.

Major Requirements (112 units)		
Course	Course Title	Units
MATH 131	Calculus I*	4
MATH 132	Calculus II*	4
MATH 133	Calculus III*	4
MATH 231	Introduction to Linear Algebra*	4
MATH 233	Multivariable Calculus*	4
MATH 276	Discrete Math*‡	4
MATH 305	Problem Solving with Technology*†	2
MATH 345	College Geometry*‡	4
MATH 421	Abstract Algebra I*†	4
MATH 431	Analysis I*‡	4
MATH 451	Introduction to Mathematical Statistics I*†	4
MATH †00	Introduction to Logic OR Introductory Statistics	4
EDCI 204	Introduction to Teaching (with Service Learning)	3
EDCI 410	Classroom Management*	3
EDCI 413	Digital Literacy*	3
EDCI 416A	Language & Literacy 9-12	3
EDCI 417C	Culture, Society, & Ethics K-12	2
EDCI 419	Reading In The Content Area*	5
EDCI 429	Middle School Theory*	4
EDCI 430	Secondary Theory & Practice*	4
EDCI 457	Student Teaching in the Secondary School*	14
EDCI 464	Special Ed In General Classroom*	3
EDCI 498	Introduction To Assessment*	3
EDFO 305	Psychological Theories of Instruction*	3
HLSC 214	Dimensions of Wellness*	4
HPSC 274	American Government	4
CPTG 121	Introduction to Computer Science I*	4
PHYS 231A/B	Physics I (General or University)*	4

General Education Requirements (78 units)		
Course	Course Title	Units
UNST 101	First Year Seminar	3
ENGL 111	College Writing I	3
ENGL 112	College Writing II*	3
ENGL 113	College Writing III*	3
WDLG 151	World Language I	4
WDLG 152	World Language II*	4
WDLG 153	World Language III*	4
HLSC 120	Lifetime Fitness	2
SSCI 20X-SL	SSCI Theme Course (with Service Learning)	4
THM1 X00	Theme I Elective	4
HUMN 10X	HUMN Theme Course	4
THM2 X00	Theme II Elective	8
RLGN 304	Adventism in Global Perspective*	4
RELB X00	Theme IIIBiii - Scripture Elective	4
THM3 3/400	Theme III Elective Upper Division*	4
THM3 X00	Theme III Elective	4
NSCI 40X	NSCI Theme Course*	4
THM4 B00	Theme IV - Life Science Elective	4
UNST 404Q-SL	Senior Seminar: Religion, Values & Social Responsibility in Education (with Service Learning)*	4
PHYS 231L	General Physics I Lab*	1
elct X00	Elective	3

Sequencing

Mathematics: Secondary Teaching BA Pathway in 4 years & 2 quarters at La Sierra University.

Year 1			Year 1			Year 1		
Fall Quarter (15 units)			Winter Quarter (16 units)			Spring Quarter (16 units)		
Course	Course Title	Units	Course	Course Title	Units	Course	Course Title	Units
MATH 131	Calculus I*	4	MATH 132	Calculus II*	4	MATH 133	Calculus III*	4
EDCI 204	Introduction to Teaching (with Service Learning)	3	HLSC 214	Dimensions of Wellness*	4	ENGL 113	College Writing III*	3
HPSC 274	American Government	4	ENGL 112	College Writing II*	3	UNST 101	First Year Seminar	1
ENGL 111	College Writing I	3	UNST 101	First Year Seminar	1	THM1 X00	Theme I Elective	4
UNST 101	First Year Seminar	1	HUMN 10X	HUMN Theme Course	4	THM2 X00	Theme II Elective	4
Year 2			Year 2			Year 2		
Fall Quarter (16 units)			Winter Quarter (17 units)			Spring Quarter (17 units)		
Course	Course Title	Units	Course	Course Title	Units	Course	Course Title	Units
MATH 231	Introduction to Linear Algebra*	4	MATH t00	Introduction to Logic OR Introductory Statistics	4	MATH 233	Multivariable Calculus*	4
EDCI 413	Digital Literacy*	3	EDFO 305	Psychological Theories of Instruction*	3	MATH 451	Introduction to Mathematical Statistics I*†	4
CPTG 121	Introduction to Computer Science I*	4	HLSC 120	Lifetime Fitness	2	EDCI 416A	Language & Literacy 9-12	3
WDLG 151	World Language I	4	WDLG 152	World Language II*	4	WDLG 153	World Language III*	4
elct X00	Elective	1	THM3 X00	Theme III Elective	4	elct X00	Elective	2
Year 3			Year 3			Year 3		
Fall Quarter (16 units)			Winter Quarter (17 units)			Spring Quarter (16 units)		
Course	Course Title	Units	Course	Course Title	Units	Course	Course Title	Units
EDCI 464	Special Ed In General Classroom*	3	MATH 431	Analysis I*‡	4	MATH 276	Discrete Math*‡	4
PHYS 231A/B	Physics I (General or University)*	4	EDCI 417C	Culture, Society, & Ethics K-12	2	MATH 345	College Geometry*‡	4
PHYS 231L	General Physics I Lab*	1	EDCI 498	Introduction To Assessment*	3	EDCI 429	Middle School Theory*	4
THM3 3/400	Theme III Elective Upper Division*	4	RLGN 304	Adventism in Global Perspective*	4	SSCI 20X-SL	SSCI Theme Course (with Service Learning)	4
THM4 B00	Theme IV - Life Science Elective	4	THM2 X00	Theme II Elective	4			
Year 4			Year 4			Year 4		
Fall Quarter (14 units)			Winter Quarter (16 units)			Spring Quarter (5 units)		
Course	Course Title	Units	Course	Course Title	Units	Course	Course Title	Units
MATH 305	Problem Solving with Technology*†	2	MATH 421	Abstract Algebra I*†	4	EDCI 457	Student Teaching in the Secondary School*	5
EDCI 410	Classroom Management*	3	EDCI 430	Secondary Theory & Practice*	4			
EDCI 419	Reading In The Content Area*	5	RELB X00	Theme IIIBiii - Scripture Elective	4			
NSCI 40X	NSCI Theme Course*	4	UNST 404Q-SL	Senior Seminar: Religion, Values & Social Responsibility in Education (with Service Learning)*	4			
Year 5			Year 5					
Fall Quarter (5 units)			Winter Quarter (4 units)					
Course	Course Title	Units	Course	Course Title	Units			
EDCI 457	Student Teaching in the Secondary School*	5	EDCI 457	Student Teaching in the Secondary School*	4			