LA SIERRA UNIVERSITY
MATHEMATICS BS PATHWAY

Total Units Required: 190 units

Required Course Listings

This breakdown shows a Mathematics BS Pathway to be completed in 4 years 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 (74 units)

Course	Course Title	Units
CPTG 121	Introduction to Computer Science I⋆	4
MATH 131	Calculus I⋆	4
MATH 132	Calculus II⋆	4
MATH 133	Calculus III⋆	4
MATH 231	Introduction to Linear Algebra⋆	4
MATH 232	Differential Equations⋆	4
MATH 233	Multivariable Calculus⋆	4
MATH 305	Problem Solving with Technology⋆†	2
MATH 324	Linear Algebra⋆†	4
MATH 415	Sets & Number Systems⋆‡	4
MATH 421	Abstract Algebra I⋆†	4
MATH 431	Analysis I⋆‡	4
MATH 432	Analysis II⋆‡	4
MATH 3/400	Mathematics Upper Division Elective	12
PHYS 231A/B	Physics I (General or University)⋆	4
PHYS 232A/B	Physics II (General or University)⋆	4
PHYS 233A/B	Physics III (General or University)⋆	4

General Education Requirements (116 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-SL	NSCI Theme Course (with Service Learning)⋆	4
THM4 B00	Theme IV - Life Science Elective	4
UNST 404U-SL	Senior Seminar: Religion, Values & Social Responsibility (with Service Learning)⋆	4
PHYS 231L	General Physics I Lab⋆	1
PHYS 232L	General Physics II Lab⋆	1
PHYS 233L	General Physics III Lab⋆	1
elct 3/400	Upper Division Elective	10
elct X00	Elective	29

Sequencing

Mathematics BS Pathway in 4 years at La Sierra University.

Year 1	Fall Quarter (16 units)			Year 1	Winter Quarter (16 units)			Year 1	Spring Quarter (16 units)	
Course	Course Title	Units		Course	Course Title	Units		Course	Course Title	Units
CPTG 121	Introduction to Computer Science I★	4		MATH 132	Calculus II★	4		MATH 133	Calculus III★	4
MATH 131	Calculus I★	4		ENGL 112	College Writing II★	3		ENGL 113	College Writing III★	3
ENGL 111	College Writing I	3		UNST 101	First Year Seminar	1		UNST 101	First Year Seminar	1
UNST 101	First Year Seminar	1		HUMN 10X	HUMN Theme Course	4		THM2 X00	Theme II Elective	4
elct X00	Elective	4		THM3 X00	Theme III Elective	4		elct X00	Elective	4

Year 2	Fall Quarter (14 units)			Year 2	Winter Quarter (16 units)			Year 2	Spring Quarter (17 units)	
Course	Course Title	Units		Course	Course Title	Units		Course	Course Title	Units
MATH 231	Introduction to Linear Algebra★	4		MATH 232	Differential Equations★	4		MATH 233	Multivariable Calculus★	4
HLSC 120	Lifetime Fitness	2		WDLG 152	World Language II★	4		WDLG 153	World Language III★	4
WDLG 151	World Language I	4		SSCI 20X-SL	SSCI Theme Course (with Service Learning)	4		RLGN 304	Adventism in Global Perspective★	4
THM2 X00	Theme II Elective	4		elct X00	Elective	4		elct X00	Elective	5

Year 3	Fall Quarter (17 units)			Year 3	Winter Quarter (15 units)			Year 3	Spring Quarter (17 units)	
Course	Course Title	Units		Course	Course Title	Units		Course	Course Title	Units
MATH 415	Sets & Number Systems★‡	4		MATH 431	Analysis I★‡	4		MATH 432	Analysis II★‡	4
MATH 3/400	Mathematics Upper Division Elective	4		MATH 3/400	Mathematics Upper Division Elective	4		PHYS 233A/B	Physics III (General or University)★	4
PHYS 231A/B	Physics I (General or University)★	4		PHYS 232A/B	Physics II (General or University)★	4		PHYS 233L	General Physics III Lab★	1
PHYS 231L	General Physics I Lab★	1		PHYS 232L	General Physics II Lab★	1		THM1 X00	Theme I Elective	4
elct X00	Elective	4		elct 3/400	Upper Division Elective	2		elct 3/400	Upper Division Elective	4

Year 4	Fall Quarter (14 units)			Year 4	Winter Quarter (16 units)			Year 4	Spring Quarter (16 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		MATH 3/400	Mathematics Upper Division Elective	4
MATH 324	Linear Algebra★†	4		RELB X00	Theme IIIBiii - Scripture Elective	4		THM3 3/400	Theme III Elective Upper Division★	4
NSCI 40X-SL	NSCI Theme Course (with Service Learning)★	4		elct 3/400	Upper Division Elective	4		UNST 404U-SL	Senior Seminar: Religion, Values & Social Responsibility (with Service Learning)★	4
THM4 B00	Theme IV - Life Science Elective	4		elct X00	Elective	4		elct X00	Elective	4